EFFECTS OF BEEF ENHANCEMENT WITH NON-MEAT INGREDIENTS, BLADE TENDERIZATION, AND VACUUM TUMBLING ON QUALITY ATTRIBUTES OF FOUR BEEF CUTS STORED IN A HIGH OXYGEN ENVIRONMENT

A Thesis

by

TRACEY ANN WILLIAMS

Submitted to the Office of Graduate Studies of
Texas A&M University
in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE

December 2004

Major Subject: Food Science and Technology

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Approved as to style and content by:

Rhonda K. Miller (Chair of Committee)	Jimmy T. Keeton (Member)
Lloyd W. Rooney (Member)	Rhonda K. Miller (Chair of Food Science and Technology Faculty)
John W. McNeill (Head of Department)	

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ABSTRACT

Effects of Beef Enhancement with Non-Meat Ingredients, Blade Tenderization, and VacuumTumbling on Quality Attributes of Four Beef Cuts Stored in a High Oxygen Environment. (December 2004)

Tracey Ann Williams, B.S., University of Florida

Chair of Advisory Committee: Dr. Rhonda K. Miller

The objective of this study was to evaluate the effects of non-meat ingredients, blade tenderization and vacuum-tumbling on the textural, visual and sensory characteristics of steaks from *Biceps femoris*, *Supraspinatus*, *Triceps brachii long head*, and *Longissimus dorsi* muscles packaged in high oxygen, modified atomosphere (MAP) system. United Department of Agriculture (USDA) Select muscles (n=72) from each cut were obtained from a commercial processor over three processing days. Muscles were aged for five days at 4ºC. Denuded muscles within a processing day were randomly assigned to one of 24 treatments. This study was a 2 x 4 x 3 factorial arrangement where treatments were control, injection (injected or non-injected), blade tenderization (0, 1, or 2 passes) and vacuum-tumbling (0, 5, 10 or 20 minutes). Injected muscles contained up to 10% of a brine containing 1.55% potassium lactate, 0.1% sodium diacetate, 0.3% sodium tripolyphosphate blend and 0.4% salt in the final product. Muscles were vacuum-tumbled and blade tenderized sequentially after injection. Steaks from the muscles were stored in a high oxygen (80% O_2, 20% CO_2) MAP system for 0, 3, 7, 10 and 14 days at 2ºC. Steaks were evaluated for package purge (%), Warner-Bratzler shear force (kg), cook loss (%), cook time (min), pH, CIE L* a* b* color space values and trained color

panel scores on each storage day. A trained descriptive attribute sensory panel evaluated steaks on day 1 only. Warner-Bratzler shear force (P<0.01) and trained sensory panel results (P<0.05) showed that the addition of non-meat ingredients improved tenderness in all four muscles. Sensory detectable connective tissue was lower (P<0.01) in injected steaks for all muscles except in *Biceps femoris* steaks. Injected steaks had higher pH (P<0.01) measurements than non-injected treatments in all muscles except the *Triceps brachii long head*. Neither blade tenderization nor vacuum-tumbling had consistent effects in all four muscles. Vacuum-tumbled *Biceps femoris* steaks had lower bitter flavor aromatics (P<0.05). In conclusion, enhancing beef with non-meat ingredients had the greatest impact on the quality attributes of high connective tissue cuts and *Longissimus dorsi* steaks.

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CHAPTER I

INTRODUCTION

One of the most recent trends in the meat industry is the use of non-meat ingredients to enhance meat palatability. Ingredients such as potassium lactate, sodium diacetate and sodium tripolyphosphate have been shown to enhance the palatability of beef, poultry and pork products, but the beef industry has not assimilated use of enhancement as widely as other species. Studies in beef have shown that the addition of these ingredients results in increased tenderness, flavor, juiciness and decreased microbial growth (Papadoupolous and others, 1991a, Maca and others, 1999, Vote and others, 2000 and Miller and Acuff, 1994). These benefits allow processors to inject brines containing these ingredients into less valuable cuts and produce a "value-added" product. Less valuable cuts include those cuts that contain high amounts of connective tissue such as bottom rounds, clod and eye of round. A recent consumer study showed that consistent quality and meal enjoyment were the most important attributes for consumers purchasing beef (Moeller and Courington, 1998). The same study showed that consumers are willing to purchase beef products injected with brines or marinades if it results in a better product (Moeller and Courington, 1998). Thus, the ability to enhance cuts of lower quality beef could result in higher sales for the beef industry in the United States. Studies using non-meat ingredients in beef strip loin steaks and top round roasts showed that there are microbial, sensory and textural benefits to using these

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ingredients (Maca and others, 1999; Miller and Acuff, 1994 and Papadopoulos and others, 1991a). As a consequence of these results, there is interest in examining the effects of non-meat ingredients on other cuts of beef with high connective tissue, such as clod and bottom round steaks. These cuts are lower in cost and increase use could help lower the cost of beef products and meet consumer demands. However, these cuts have color issues that have been a challenge to successfully marketing them at the retail level. In the *Biceps femoris* (bottom round) two-tone color is a problem. High myoglobin content in the *Triceps brachii long head* (shoulder clod) causes a dark red color.

Non-meat ingredients might be able to stabilize and improve the appearance of these cuts. Due to the high levels of connective tissue in clod and bottom round cuts, there is concern that marinade solutions will not be evenly distributed throughout the muscle after injection, thus limiting the effectiveness of added solutions. Because of the potential for enhancing lesser utilized cuts, this study proposes to examine processing procedures that either break up connective tissue or apply mechanical action to allow for more even distribution of injection solutions throughout the muscle and assist in improving brine retention during storage. Two of these methods are blade tenderization and vacuum tumbling. Blade tenderization is a method that physically disrupts the myofibrillar structure with the use of several blades. Several studies have shown that blade tenderization decreased the amount of sensory detectable connective tissue in beef (Jeremiah and others, 1999, Bowling and others, 1976 and Savell and others, 1977). Vacuum tumbling is used in cured meat products to improve brine solutions. Vacuum

tumbling has been found to increase cure absorption in pork (Solomon and others, 1980). Also, vacuum tumbling has been found to accelerate brine distribution in hams (Zayes and others, 1976). Therefore, we hypothesize that the use of blade tenderization and vacuum-tumbling in conjunction with non-meat ingredients will improve the quality attributes of high connective tissue cuts of beef. The objective of this study is to evaluate and characterize the effects of blade tenderization and vacuum tumbling on the textural, visual and sensory characteristics of injected versus non-injected *Supraspinatus* (chuck tender), *Triceps brachii long head* (shoulder clod), and *Biceps femoris* (bottom round) muscles stored at 2°C and packaged in a modified atmosphere environment.

CHAPTER II

LITERATURE REVIEW

The use of non-meat ingredients to enhance the quality of meat products, called enhancement, has increased greatly during the last ten years, especially in the pork industry. Though the beef industry has not widely used these ingredients in fresh retail products, research has shown that there are many benefits of using these products in both beef and pork products. Among the most extensively researched non-meat ingredients for enhanced fresh meat cuts are sodium/potassium lactate, sodium diacetate and alkaline phosphates such as sodium tripolyphosphate.

Sodium and Potassium Lactate

Sodium and potassium lactate are salts derived from lactic acid. The Food and Drug Administration (FDA) lists both salts as GRAS (generally recognized as safe) substances and their usage in meat and poultry is regulated by the United States Department of Agriculture, Food Safety and Inspection Service (USDA, FSIS). The maximum usage level of sodium/potassium lactate is 2.9%, but due to the fact that both are sold in a 60% solution, this equates to a maximum usage level of 4.8% of the solution (USDA, 2004). However, sodium and potassium lactate are allowed at levels up to 4% on a special request basis, if they are to be used for their antimicrobial effects. The USDA, FSIS does not have a regulation allowing this higher usage as they have not been formally petitioned, thus each request is reviewed individually. Sodium and potassium lactate are not fat soluble. Also, sodium and potassium lactate may not be used in infant food products. Thus far, the USDA, FSIS has only approved

sodium/potassium lactate to be used as a humectant and for flavor enhancement (USDA, 2004).

Research has shown that the use of sodium lactate in meat products has many beneficial effects. Sodium lactate's bacteriostatic effect has been published in many studies. Miller and Acuff (1994) examined the effect of 0, 1, 2, 3 and 4% levels of sodium lactate in cooked beef round roasts. When roasts were stored for up to 28 days, there were significantly lower counts of *Listeria monocytogenes, Escherchia coli* 0157:H7, and *Salmonella typhimurium* when compared to non-treated control roasts. *Salmonella typhimurium* is often used as an indicator organism for *Salmonella* growth. Therefore, it can be projected that sodium lactate would be also able to slow the growth of *Salmonella typhimurium*. However, this study showed that sodium lactate is not effective against *Staphylococcos aureus*. However, *S. aureus* does not grow in vacuum-packaged refrigerated conditions and this study was not a good test of sodium lactate's antimicrobial effects on this organism. Also, when cooked roasts were injected with only 2% sodium lactate bacterial growth did not slow significantly (Miller and Acuff, 1994). Similar decreases in bacterial growth were also found in cooked top round injected with either 0, 1, 2, 3, or 4% sodium lactate (Papadopoulos and others, 1991c and Evans, 1992). Aerobic plate counts (APC) were lower in treated roasts than in controls stored up to 84 days. Also, an inverse relationship between APC and sodium lactate levels was found in cooked beef roasts (Papadopoulos and others, 1991c and Evans, 1992). This inverse relationship was also found when sodium lactate was used in ground beef patties (Maca and others, 1997), turkey (Maas and others, 1989), and fresh pork

sausage (Lamkey and others, 1991). Sodium lactate slowed bacterial growth on cooked beef roasts stored at abuse temperatures (Maca and others, 1999). Roasts injected with 4% sodium lactate had lower bacterial growth than controls or roasts injected with 2 or 3% sodium lactate when stored at an abuse temperature of 16°C for up to 21 days of storage (Maca and others, 1999). Other studies have shown that sodium lactate is effective at slowing bacterial growth stored at abuse temperatures of 10°C (Miller and Acuff, 1994; Stillmukes and others, 1993; Unda and others, 1990). Bacteriostatic effects of sodium lactate have also been shown in pork products. In fresh pork sausage, the addition of sodium lactate at levels of 1% and 2% seemed to increase the lag phase of bacterial growth (Brewer and others, 1993). The addition of 3% suppressed growth completely in fresh pork sausage as shown by APC results. This growth suppression resulted in an increase in shelf-life of one week in fresh pork sausage. These results concur with results in fresh ground pork in a study done by O'Connor and others (1993). The decrease in microbial growth is due to an increase in the lag phase in the growth of bacteria (Lamkey and others, 1991). Two hypotheses propose the mode of action for the bacteriostatic effects of sodium lactate. One is that sodium lactate lowers the water activity of meat preventing bacterial growth. Lower water activity has been found in top round roasts treated with sodium lactate (Evans, 1992). The other hypothesis is that sodium lactate causes an intracellular acidification in the bacterial cell and therefore interferes with proton transfer across the cell membrane.

Potassium lactate has also shown a bacteriostatic effect in meat. Studies in cooked beef roasts showed potassium lactate was just as effective as sodium lactate at

slowing the growth of bacteria (Pagach, 1992). Cooked beef roasts injected with 2.4% to 4% potassium lactate did not have significantly different APC values than roasts injected with 4% sodium lactate (Pagach, 1992). These results indicated that potassium lactate can be used at levels of 2.4% to 4.0% instead of sodium lactate and still maintain microbial inhibition. Studies in vacuum-packaged strip loin steaks also showed a decrease in bacterial growth for up to 49 days of storage (Anwar and others, 2004). Potassium lactate concentration and APCs had an inverse relationship in vacuum-packaged strip loin steaks (Anwar and others, 2004). In fresh pork sausage, the addition of potassium lactate significantly reduced numbers of psychotrophs and coliforms (Bradford and others, 1993). However, potassium lactate was not effective in reducing numbers of microorganisms in low-fat pork sausage or low-fat pork sausage made with carrageenan (Bradford and others, 1993). This is believed to be due to the fact that potassium lactate is not fat-soluble and the added moisture found in low-fat patties diluted the potassium lactate (Bradford and others, 1993).

In addition to the benefits sodium and potassium lactate have on microbial growth, the salts of lactic acid have also been shown to enhance flavor. In trained descriptive attribute panels, positive flavor attributes, such as beefy/brothy and serumy/bloody were enhanced in cooked beef roasts treated with sodium lactate (Papadoupolous and others, 1991a and Evans, 1992). Sodium lactate also increased positive flavor attributes in ground beef patties (Grones, 2000). Due to the sodium component of sodium lactate, meat treated with sodium lactate has been found to have a higher salt intensity (Brewer and others, 1991, Brewer and others, 1993, Evans, 1992

and Papadoupolous and others, 1991 a). As sodium lactate level in cooked beef increased from 0 to 2% and 2 to 4%, scores for salty taste significantly increased (Evans, 1992). Off-flavors, such as painty, fishy and cardboard, were lower in cooked beef roasts treated with sodium lactate than in controls (Papadoupolous and others, 1991a and Evans, 1992). However, when cooked beef roasts were treated with 4% sodium lactate a mild throat irritation was reported (Papadoupolous and others, 1991a).

Consumers also prefered the flavor of roasts treated with sodium lactate. Compared to non-treated roasts, consumers rated beef roast treated with 3% sodium lactate higher for overall product, overall flavor, beef flavor and texture like/dislike (Papadopoulos and others, 1991a). However, consumers did find the treated roasts higher in saltiness (Papadopoulos and others, 1991a). Increased saltiness was also found in pork sausage treated with 1-3% sodium lactate compared to controls (Brewer and others, 1991 and Brewer and others, 1993).

The use of potassium lactate has a minimal effect on flavor. In fresh beef top loin steaks, the use of potassium lactate did not affect overall flavor intensity, beefy/brothy, cooked beef fat, serumy/bloody, burnt/browned, cardboard, liver, metallic mouthfeel and sour tastes as determined from a trained descriptive attribute panel (Anwar and others, 2004). However, as the concentration of potassium lactate increased from 1.5 to 2.0%, there was an increase in saltiness and bitterness in strip loin steaks (Anwar and others, 2004). Results were similar in cooked beef systems. Pagach (1992) found that cooked roasts treated with combinations of sodium and/or potassium lactate

had an increase in beefy/brothy flavor, but the increase was due to the sodium lactate and not the potassium lactate.

The use of sodium and potassium lactate also has been found to affect the textural properties of meat. Trained sensory panels found increased muscle fiber tenderness, overall tenderness and juiciness in roast beef samples treated with sodium lactate (Papadopoulos and others, 1991b). In strip loin steaks, trained sensory panels found steaks treated with potassium lactate at levels of 1.5% to 2.0% improved muscle fiber tenderness and lower amounts of detectable connective tissue than non-treated controls (Anwar and others, 2004).

Results from Warner-Bratzler shear force measurements concured with trained sensory panel results. Shear force values decreased as the concentration of sodium lactate increased from 0 to 3% in roast beef samples (Papadopoulos and others, 1991b). A decrease in shear force values also was seen in strip loin steaks with the initial addition of potassium lactate (Anwar and others, 2004). However, increasing levels of potassium lactate did not further decrease shear force values in strip loin steaks (Anwar and others, 2004).

Increased cook yield is another benefit of using sodium or potassium lactate in meat products. As the concentration of sodium lactate increased in meat, cook yield also increased (Papadopoulos and others, 1991a and Evans, 1992). Sodium lactate added at levels of 2 or 4% increased cook yields in cooked beef top rounds (Evans, 1992). The addition of 3% sodium lactate to roast beef increased cook yield by 12% (Papadopoulous and others, 1991b). Strip loin steaks injected with potassium lactate had the lowest

purge and highest cook yield values compared to controls and steaks injected with brines containing sodium diacetate (Anwar and others, 2004). Weber (1997) found increased cook yields in beef top rounds treated with sodium lactate.

The use of sodium or potassium lactate also has had a beneficial effect on color. Sodium lactate was found to have a stabilizing effect on the color of cooked beef top rounds (Maca and others, 1999). Also, cooked beef top rounds treated with sodium lactate were found to have a darker and redder color according to both trained color panel evaluations and Hunter color measurements (Maca and others, 1999). Results from Minolta CIE L*, a* and b* color space and trained sensory panel values on strip loin steaks found that steaks had a darker purple color (Anwar and others, 2004). Specifically, steaks injected with potassium lactate had lower CIE L*, a* (redness) and b* (yellowness) color space values than controls (Anwar and others, 2004). Steaks with the highest level of potassium lactate, 2.5%, had the darkest purple color (Anwar and others, 2004). However, the color panel also found an increase in two-toning in strip loin steaks treated with potassium lactate compared to controls (Anwar and others, 2004). The darker color is believed to be due to the increase in pH found in steaks treated with potassium lactate (Anwar and others, 2004).

Sodium and postassium lactate have been found to increase pH. As the concentration of potassium lactate increased in beef strip loin steaks, the pH also increased (Anwar and others, 2004). Similiarily, increasing levels of sodium or potassium lactate resulted in increased pH in cooked beef top rounds (Pagach, 1992). Evans (1992) also found higher pH values in cooked beef top rounds treated with

sodium lactate. However, as storage days increased, pH decreased in meat treated with sodium or potassium lactate. Anwar and others (2004) found increased pH values in beef strip loins injected with potassium lactate as storage increased from 0 to 35 days. In pre-cooked beef top-round treated with sodium lactate there was an decrease in pH as storage increased from 0 to 84 days (Evans, 1992).

Sodium Diacetate

Sodium diacetate is another non-meat ingredient being used by the meat industry to improve meat safety. It is listed as GRAS by the FDA. Sodium diacetate is not usually used at concentrations above 0.2%. Normal concentrations range between 0.10% and 0.15%. It has been found to be an effective antimicrobial agent without affecting the textural properties of beef products. Anwar and others (2004) found that APCs on beef strip loin steaks treated with only sodium diacetate were lower than steaks treated with potassium lactate or controls. However, the lowest APCs were reported when sodium diacetate was used in combination with potassium lactate. Similar results were seen in beef bologna treated with sodium diacetate and sodium lactate (Mbandi and Shelef, 2002). Both sodium lactate and sodium diacetate were found to inhibit *L. monocytogenes* alone, but inhibition was greatest when sodium diacetate and sodium lactate were used in combination. In turkey slurries, the addition of 0.3% sodium diacetate slowed the growth of *L. monocytongenes* (Schlyter and others, 1993). At a level of 0.5% sodium diacetate was found to be listercidial in turkey slurries (Schlyter and others, 1993). Sodium diacetate also was effective at inhibiting *L. monocytogenes* in turkey slurries exposed to both abuse and refrigeration temperatures (Schlyter and

others, 1993). Moye and Chambers (1991) found that the addition of sodium diacetate to the surface of refrigerated poultry meat decreased *Salmonella* growth. The specific microorganisms that sodium diacetate has been found to slow growth are *Listeria monocytogenes, E. coli* 0157:H7, *Salmonella enterditis, hyersinia*, and *Entercolitica*; gram negative bacteria and *Lactobacillus fermentis* (Schlyter and others 1993).

The use of sodium diacetate has been found not to have an effect on textural propterties of meat products. Studies on ground beef patties (Grones, 2000) and beef strip loin steaks (Anwar and others, 2004) showed that the addition of sodium diacetate did not affect the juiciness of the product, as reported by trained sensory panelists.

Due to the two acetate ions included in the chemical composition of sodium diacetate, there is a sour flavor associated with it. In ground beef patties containing either 2% sodium lactate and 0.15% sodium diacetate or 3% sodium lactate and and 0.15% sodium diacetate trained panelist did report slightly higher sour flavors (Grones, 2000). Other than the soured flavor, sodium diacetate did not affect the intensity of any other flavors in ground beef patties (Grones, 2000).

Sodium Phosphates

Another non-meat ingredient commonly used by the meat industry is sodium tripolyphosphate. Sodium tripolyphosphate has been used extensively in meat products to improve quality. Its main function is to improve water-holding capacity. Increased water holding capacity occurs due to an increase in pH when alkaline phosphates are added to meat. The increase in pH results in muscle proteins unfolding and charged sites available for water become exposed (Gunner, 1995). Sodium tripolyphosphate has been

found to increase pump yield and decrease purge in pork loins (Sutton and others, 1997). Fresh pork longissimus muscle injected up to 0.05% of the green weight with a brine containing 5% sodium tripolyphosphate had the highest water-holding capacity compared to controls, chops treated with citric acid or chops containing sodium acid phosphate (Cannon and others, 1993). In fresh semimembranous pork muscles, 5% sodium tripolyphosphate decreased free water by 50% (Cannon and others, 1993). Sodium tripolyphosphate has been found to increase the pH of both solutions and buffered systems (Kim and Brewer, 1996; Gunner, 1995). An increase in pH has been seen in pork loin samples injected with brines containing 0.2 to 0.4% sodium tripolyphosphate (Banks and others, 1998). The highest pH in pork loins was seen in loins injected with a phosphate blend compared to control loins, or loins containing potassium sorbate, or sodium acetate (Mendonca and others, 1989). Similar results were seen in both raw and cooked pork loin roasts (Sutton and others, 1997).

In addition to higher water holding capacity, meat treated with sodium tripolyphosphate has been found to have lower cook losses. Frozen ground beef patties treated with sodium tripolyphosphate had lower cook losses than control samples (Molins and others, 1987). Increasing the concentration of sodium tripolyphosphate from 0 to 5% reduced cook loss by 3% in pork loins from male pigs and by 1% in pork loins from female pigs cooked to 72.5° C (Sheard and others, 1999).

Higher sensory juiciness scores are another benefit found in meat treated with sodium tripolyphosphate. Sensory panelists rated fresh cooked pork roasts injected with sodium tripolyphosphates as juicier than control roasts (Smith and others, 1984). Also

reheated pork and beef injected with sodium tripolyphosphate were rated the same for juiciness as fresh cooked control roasts (Smith and others, 1984). Higher juiciness scores also have been seen in frozen beef patties (Molins and others, 1987), fresh pork loins (Sheard and others, 1999) and reheated pork longissimus muscles (Cannon and others, 1993).

Results from sensory panelists also showed that beef roasts injected with sodium tripolyphosphate did not have the same decrease in flavor intensity observed in control roasts (Smith and others, 1984). However, panelist did report a higher level of metallic and soapy flavors in roasts treated with sodium tripolyphosphate (Smith and others, 1984). Other results have found a decrease in flavor intensity with the addition of sodium tripolyphospahte. In pork loins injected with either 5% or 10% sodium tripolyphospahte, sensory panelists reported a decrease in pork flavor intensity as sodium tripolyphosphate concentration increased (Sheard and others, 1999).

Sodium tripolyphosphate has also been found to increase tenderness. Sensory panelists rated fresh cooked beef and pork roasts injected with sodium tripolyphosphate higher in tenderness than control roasts (Smith and others, 1984). As the concentration of sodium tripolyphosphate increased, there was an increase in tenderness for pork loin samples from both male and female pigs as determined by a trained sensory panel (Sheard and others, 1999). Though the biggest improvement was seen in loins from male pigs. There are two proposed theories describing sodium tripolyphosphate's mode of action for increasing tenderness in meat. First, it is believed that sodium tripolyphosphate promotes the depolymerization of myosin filaments. Second, sodium

tripolyphosphate weakens the binding of the myosin head to actin. This promotes the dissociation of actomyosin and allows limited expansion of the filament lattices (Offer and Trinick, 1983).

Sodium tripolyphosphate was not found to have an adverse effect on color. Frozen ground beef patties treated with sodium tripolyphosphate had higher Hunter a values (redness) than controls (Molins and others, 1987). Pork loin chops treated with a phosphate blend containing sodium tripolyphosphate had higher red color values than water-only controls (Mendonca and others, 1989). Due to the alkaline pH, meat treated with sodium tripolyphosphate is darker. This is because as pH increases, thereby moving the pH away from the isoelectric point, meat proteins bind more water on the negatively charged side chains. The increased water bound to protein results in less free water to reflect light and darker meat.

Due to the increase in water holding capacity and pH of meat treated with sodium tripolyphosphate, there is a higher susceptibility to microbial growth. In pork chops treated with sodium tripolyphosphate, APCs were higher in pork loin slices that had been injected with brine containing sodium tripolyphosphate than the pork samples with no sodium tripolyphosphate in the brine (Banks and others, 1998). Control pork chops and chops treated with phosphate blend spoiled faster, within 2-4 weeks, than chops treated with potassium sorbate, sodium acetate or sodium chloride (Mendonca and others, 1989).

Though sodium tripolyphosphate is recognized as the most commonly used sodium phosphate in industry, most of the sodium tripolyphosphate commercially used

is a blend of different phosphates. The use of phosphate blends has been found to increase functionality of phosphates in meat systems. Studies have shown that the different phosphates increase functionality in the following order: pyrophosphate > tripolyphosphate > tetrapolyphosphate > hexametaphosphate ≈ orthophosphate (Trout and Schmidt, 1986). The ability of phosphates to increase ionic strength and pH appears to explain the differences in effectiveness among the different phosphates (Trout and Schmidt, 1986).

Blade Tenderization

Before the use of non-meat ingredients, mechanical techniques were the only methods used to improve meat quality. Among these techniques is blade tenderization. Miller (1975) justified the use of blade tenderization because of four effects it has on meat. One, blade tenderization insures acceptable tenderness of normal table-grade cuts. Two, it equalizes tenderness in portioned items containing two or more muscles that differ in tenderness. Three, blade tenderization upgrades cuts not normally used for steaks without enzymatic tenderization. Finally, blade tenderization's effects are more uniform and more easily controlled than enzyme treatments. Blade tenderization has been found to increase tenderness above aging alone in boneless strip loins and inside rounds stored 7 or 14 days as determined by a trained sensory panel (Davis and others, 1977).

Mechanical measurements of tenderness have shown improvement in meat tenderness when blade tenderization is used. One pass through a blade tenderizer has been found to significantly decrease Warner Bratzler shear values in top round roasts,

top round steaks and top loin steaks (Glover and others, 1977). One pass through a blade tenderizer also was found to significantly decrease all Warner-Bratzler factors, including initial-yield force, second-yield force, peak force and total work done in *Longissimus dorsi* steaks compared to non-tenderized controls (Hayward and others, 1980). Decreases in Warner-Bratzler shear force values were also reported in boneless pork loins blade tenderized (Goldner and Mandigo, 1974). One pass through a blade tenderizer decreased Warner-Bratzler shear force values for *Gluteus medius* and *Semimembranous* muscles in four of four comparisons (Savell and others, 1977). Blade tenderization also significantly decreased Instron compression measures for second peak force and cohesiveness in *Longissimus dorsi* steaks (Hayward and others, 1980). Allo-Kramer shear values were lowest in freeze-dried steaks that were injected with a 3.0% sodium tripolyphosphate and 7.5% NaCl and blade tenderized compared to controls and steaks treated only with the injection solution (Hinnergardt and others, 1975). Also, blade tenderization has been found to decrease the variation of the tenderness of rehydrated, grilled freeze-dried beef steaks (Hinnergardt and others, 1975). Blade tenderized *longissimus dorsi* muscles from cow and bull carcasses were found to have comparable Warner-Bratzler shear force values to the same muscles from steer carcasses (Tatum and others, 1978). Further research has shown that as the number of passes through a blade tenderizer increases, Warner-Bratzler shear force values significantly decrease (Boyd and others, 1978). However, too many passes can have other detrimental effects on meat. Top rounds passed through a blade tenderizer four times

had increased aerobic and anaerobic microbial counts over controls and steaks blade tenderized once or twice (Boyd and others, 1978).

Sensory panel evaluations of tenderness agree with the results from the mechanical measurements of tenderness. Blade tenderized *Longissimus dorsi* steaks were found to be more tender and had less detectable connective tissue than non-tenderized steaks (Hayward and others, 1980). Tenderloin samples passed through a blade tenderizer one time showed increased flavor desirability, tenderness and overall palatability and decrease the amount of organoleptically detectable connective tissue (Seideman and others, 1977). Semitendinosus muscle samples had increased juiciness after three passes through a blade tenderizer. They also had decreased amount of connective tissue and increased tenderness after one pass (Seideman and others, 1977). In a study that evaluated the effects of blade tenderization on twelve different muscles, initial and overall tenderness of outside round, top sirloin, strip loin, inside round and chuck tender were improved with blade tenderization (Jeremiah and others, 1999). Blade tenderization also improved the initial tenderness of sirloin tip steaks and the overall tenderness of the eye of round muscles (Jeremiah and others, 1999). Also, blade tenderization decreased the proportion of inside round steaks rated as initially tough from 52 to 20%. Other studies found an improvement in tenderness in blade tenderized steaks for initial tenderness (Glover and others, 1977), muscle fiber tenderness (Bowling and others, 1976) and residual tenderness (Glover and others, 1977). Detectable connective tissue also was found to be lower in blade tenderized steaks (Bowling and others, 1976 and Savell and others, 1977). Connective tissue was less detectable in

blade tenderized top sirloin, strip loin and eye of round compared to controls (Jeremiah and others, 1999). Blade tenderization also decreased the range of taste panel scores for connective tissue amount (Hayward and others, 1980). Flavor and juiciness scores were not affected by blade tenderization (Hayward and others, 1980, Davis and others, 1977, Tatum and others, 1978 and Hinnergardt and others, 1975). Flavor of inside round samples were improved with blade tenderization. The proportion of inside round steaks with undesirable flavor decreased from 16 to 0% (Jeremiah and others, 1999). However, the results of the effects of blade tenderization on juiciness have been mixed. Savell and others (1977) and Glover and others (1977) found that blade tenderization decreased juiciness scores in blade tenderized steaks. A decrease in juiciness also was observed in blade eye and top sirloin steaks that had been blade tenderized (Jeremiah and others, 1999). Sensory panelists found that blade tenderized steaks had lower juiciness scores than non-treated controls and steaks that were vacuum-aged (Bidner and others, 1985). The decrease in juiciness might be due to the disruption of the surface structure of muscles by the needles at the point of penetration (Bidner and others, 1985).

Blade tenderization has been found to have detrimental effects on other properties. An increase in cook loss in samples that were blade tenderized has been reported in some studies. Hayward and others (1980) found *Longissimus dorsi* muscles that were blade tenderized had 2% higher cook loss than non-treated samples. Higher cook losses also were found in blade tenderized boneless strip loin steaks (Davis and others, 1975) and inside rounds (Davis and others, 1977). However, other studies did not find an increase in cook losses. In a study that evaluated the effects of blade

tenderization on twelve different muscles, drip loss and cook loss were significantly higher in only two muscles, the brisket and blade eye (Jeremiah and others, 1999). Glover and others (1977) found that blade tenderization did not influence percent total cook losses in top rounds, chuck, top blade roasts and strip loins after one pass. Cook losses and drip losses were not affected by blade tenderization in *Biceps femoris*, *Semimembranosus*, and *Longissimus dorsi* muscles (Tatum and others, 1978). Also, there was not a significant difference in cook losses between blade tenderized and non-tenderized lamb and goat loin chops and leg steaks (Bowling and others, 1976).

Vacuum Tumbling

Another processing procedure used to enhance brine diffusion, extract salt-soluble proteins and speed processing is vacuum-tumbling. This procedure is most often used when making cured products to aid in the extraction of salt soluble proteins for binding, but also can be used for uncured products. Tumbling without vacuum has been found to improve color, sliceablity, taste, aroma and yields of hams (Krause and others, 1978). The application of vacuum to tumbling has been found to produce more extractable protein in beef than non-vacuum conditions (Ghavimi and others, 1986, Wiebe and Schmidt, 1982). Specifically, vacuum conditions increase the amount of crude myosin extracted to the meat surface. Solomon and Schmidt (1980) demonstrated that total protein did not increase due to vacuum conditions, but that crude myosin production increased in both pre- and post-rigor beef. However, if meat is over-tumbled, this can result in over extraction of myosin from the surface layers of the meat (Treharne, 1971).

Rust and Olson (1973) found that the extraction of myofibrillar proteins on the surface of meat has two functions. One is to act as a bonding agent holding the meat surfaces together. The other function is to act as a sealer when thermally processed and therefore, aid in the retention of water in the muscle tissue. Better binding ability and water absorption has been found in vacuum-tumbled meat. Restructured beef steaks that were mixed under vacuum had better binding strength than steaks mixed in the absence of vacuum (Wiebe and Schmidt, 1982). Poultry muscles prepared under vacuum conditions had better binding than controls (Maesso and others, 1970). Light micrographs of pork muscles tumbled both under vacuum and no-vacuum conditions showed that the no-vacuum treatment left small air pockets that inhibited particle to particle binding as compared to the vacuum treatments (Solomon and others, 1980).

Vacuum-tumbling has been found to increase cure absorption. Pork *Biceps femoris, Quadriceps* and *Semimembranous* muscles tumbled under vacuum conditions were found to have better cure absorption than muscles not vacuum tumbled (Solomon and others, 1980). Krause and others (1978) found that tumbling and sodium tripolyphosphate independently increased distribution of salt and nitrite injected into the center of pork *Semimembranous* muscles. Also, vacuum-tumbling has been found to accelerate brine distribution in post-rigor hams (Zayes and others, 1976).

Vacuum-tumbling appears to have no positive or negative effects on color. Trained panel and Hunter color evaluations did not find differences between non-vacuum-tumbled, vacuum-tumbled or nitrogen back-flush-tumbled beef *Semimembranous* muscles (Ghavimi and others, 1986).

Vacuum conditions also have been found to decrease cook loss, increasing cook yield. Poultry meat that was massaged under vacuum had lower cook losses compared to controls and meat prepared under pressure (Maesso and others, 1970). Vacuum-massaged pork muscles also showed decreased cook loss compared to non-massaged meat (Rejt and others, 1978). However, other studies have not found an increase in cook yield in meat prepared under vacuum conditions. Restructured beef steaks vacuum mixed did not differ in cook yield compared to controls (Wiebe and Schmidt, 1982).

In summary, the use of non-meat ingredients, specifically sodium and/or potassium lactate, sodium diacetate and sodium phosphates, vacuum-tumbling and blade tenderization are techniques used by the meat processing industry to increase shelf-life, improve palatability and color of meat products. Though research has shown the benefits each technique has to offer individually, few studies have studied the potential of using a combination of these techniques to further improve meat palatability. Cuts of beef that contain high amounts of connective tissue are normally considered low value cuts by consumers and the beef industry. This is due to the fact that these cuts are tougher and drier than other cuts of beef. Since research has shown that the use of non-meat ingredients can improve tenderness and juiciness alone, the combined use of these ingredients with blade tenderization and vacuum-tumbling could greatly enhance the acceptability of these cuts. Therefore, high connective tissue cuts could be used to make products with a higher quality and greatly add to the value of high connective tissue cuts of beef.

Quality Differences Between Muscles

Due to different locations and functions in the live animal, muscle tissue varies in chemical, color and sensory characteristics. This variability affects meat quality and therefore consumer's acceptability of retail beef products. In order to better market beef retail cuts, there have been several studies examining the quality differences between muscles; also referred to as muscle profiling.

Tenderness is one of the most important quality attributes for beef retail cuts. Consumer studies have shown that tenderness is a very important factor when considering overall eating quality of steaks (Huffman and others, 1996). The *Psoas major* (tenderloin) and *Longissimus dorsi* (strip steaks) are considered very tender and are therefore thought of as high quality. However, steaks from the round or chuck cuts, such as the *Biceps femoris* (outside round) and the *Supraspinatus* (chuck tender) are perceived by consumers to be tough and are harder to market at the retail level. Several studies have examined tenderness differences between muscles to determine whether consumer's perceptions are accurate. In a study that examined the Warner-Bratzler shear force values of 40 different bovine muscles, there was not a significant difference between the shear force values between the M. *longissimus lumborum* (strip loin), M. *gluteobiceps* (bottom round), M. *triceps brachii* (shoulder clod) and M. *supraspinatus* (chuck tender) (Belew and others, 2003). However, the muscles were classified differently according to their Warner-Bratzler shear force values. The M. *longissimus lumborum* and M. *triceps brachii* were categorized as "tender" (Warner Bratzler Shear force values between 3.2 and 3.9 kg). Both the M. *glueobiceps* and M. *supraspinatus*

were classified as “intermediate” (Warner Bratzler shear force values between 3.9 and 4.6 kg) (Belew and others, 2003). Futhermore, this study found positional tenderness effects within the M. *gluteobiceps* and M. *triceps brachii* (Belew and others, 2003). Another study found that the M. *longissimus lumborum* had a significantly lower Warner-Bratzler shear force value (2.35 kg) than the M. *triceps brachii* (5.42 kg) and the *biceps femoris* (5.46 kg) (Torrescano and others, 2003). The fact that one study found there was not a statistical difference between the *Longissimus lumborum* and the *Biceps femoris* and another study did, could be explained by carcass to carcass muscle variation or positional differences. A study examining tenderness variation among beef muscles found the *Longissimus dorsi* had the highest standard deviation and thus variation of the muscles evaluated (Shackelford and others, 1995).

In addition to carcass to carcass variation, studies have found that Warner-Bratzler shear force measurements do not always detect differences between muscles. Trained sensory panel evaluations can be a useful tool to determine tenderness differences. Trained sensory panel evaluations of beef muscles found the *Triceps brachii* and *Longissimus dorsi* had significantly higher, indicating more tender, overall tenderness scores than the *Biceps femoris* and *Supraspinatus* (Shackelford and others, 1995). The Warner-Bratzler shear force values from that same study were not significantly different for the same four muscles (Shackelford and others, 1995). However, another study examining trained sensory panel scores of beef muscles found the *Longissimus lumborum* was significantly more tender than the *Triceps brachii*, *Biceps femoris* and *Supraspinatus* (Carmack and others, 1995). McKeith and others

(1985) also found the *Longissimus dorsi* had significantly higher, indicating more tender, muscle fiber tenderness scores than the *Triceps brachii*, *Biceps femoris,* and *Supraspinatus* muscles. There was no significant difference in trained sensory panel muscle fiber tenderness scores between the *Triceps brachii*, *Biceps femoris*, and *Supraspinatus*.

Differences in tenderness are associated with insoluble collagen content and sacromere length. McKeith and others (1985) reported that the *Triceps brachii*, *Biceps femoris* and *Supraspinatus* had among the highest total collagen amounts of thirteen beef muscles evaluated. The *Longissimus dorsi* and *Psoas major* had the lowest total collagen amounts (McKeith and others, 1985). In that same study, the *Psoas major* and *Longissimus dorsi* had among the lowest Warner-Bratzler shear force values. Conversely, the *Supraspinatus* and *Biceps femoris* had among the highest Warner Bratzler shear force values (McKeith and others, 1985). Futhermore, studies have found a high positive correlation between Warner-Bratzler shear force and total collagen content and between Warner-Bratzler shear force and insoluble content (Torrescano and others, 2003).

Results from the trained sensory panel found similar differences in detectable connective tissue amount. The *Longissimus dorsi* and *Psoas major* had among the lowest amounts of detectable connective tissue (McKeith and others, 1985). The *Biceps femoris* and *Supraspinatus* had among the highest amounts of detectable connective tissue (McKeith and others, 1985).

Sacromere length is a measure of the amount of contraction of a muscle after rigor mortis. Longer sarcomere lengths indicate a lower level of contraction and are therefore associated with higher levels of tenderness. Studies have found differences in sarcomere length between bovine muscles. Torrescano and others (2003) found that the *Biceps femoris* had among the shortest sarcomere lengths of the thirteen muscles evaluated. The *Psoas major* had the longest sarcomere length. Similar results were reported by McKeith and others (1985).

Trained sensory panel evaluations also have examined differences in juiciness and beef flavor intensity between different beef muscles. Carmack and others (1995) found the *Biceps femoris* had the highest beef flavor intensity scores among twelve muscles evaluated. However, the beef flavor intensity scores of the *Biceps femoris* were not statistically different from the beef flavor intensity scores of the *Psoas major* and *Triceps brachii* (Carmack and others, 1995). The *Longissimus lumborum* and *Supraspinatus* were lower in beef flavor intensity (Carmack and others, 1995). Higher beef flavor intensity does not indicate higher flavor desirability. A study that examined flavor desirability of thirteen muscles found that the *Psoas major* had the highest, indicating more desirable, flavor desirability scores (McKeith and others, 1985). The *Biceps femoris*, *Triceps brachii*, and *Supraspinatus* had lower flavor desirability scores than the *Psoas major* (McKeith and others, 1985).

Juiciness is also an important eating quality characteristic. McKeith and others (1985) found the *Infraspinatus* had the highest juiciness scores among thirteen muscles. However, the scores for the *Infraspinatus* were not statistically different from the *Biceps*

femoris, *Supraspinatus*, *Longissimus dorsi*, and *Triceps brachii* (McKeith and others, 1985). Carmack and others (1995) found that the *Longissimus lumborum*, *Supraspinatus*, *Triceps brachii* and *Biceps femoris* were statistically the same for trained sensory panel juiciness scores. However, those four muscles were found to be not as juicy as the *Infraspinatus*, as seen in the previous study (Carmack and others 1995).

Studies examining differences between muscles also have evaluated differences in chemical composition such as the percent moisture and percent fat. McKeith and others (1985) found that the *Supraspinatus* and *Triceps brachii* had the highest percent moisture among thirteen beef muscles. The *Longissimus dorsi* had the lowest percent moisture values. However, these results did not correspond to the juiciness scores from the trained sensory panel (McKeith and others, 1985). For percent fat measurements, the *Infraspinatus*, *Longissimus dorsi* and *Psoas major* had the highest percent fat measurements. Futhermore, these four muscles also were rated as the most tender and flavorful by the trained sensory panel (McKeith and others, 1985) However, there were low correlations between percent fat and overall tenderness; percent fat and juiciness and percent fat and flavor desirability (McKeith and others, 1985).

In addition to tenderness and flavor, color is another important quality characteristic. Torrescano and others (2003) found differences in CIE L*, a* and b* color space values among thirteen beef muscles. The *Longissimus thoracis* had higher, indicating lighter color, L* color space values than the *Biceps femoris* and *Triceps brachii*. The *Biceps femoris* was found to be less red than the *Triceps brachii* or

Longissimus thoracis (Torrescano and others, 2003). However, there is limited trained color panel data between muscles.

The results from these studies examining differences in beef muscles show that certain muscles such as the *Psoas major* and *Longissimus dorsi* are higher in eating quality characteristics such as tenderness and flavor desirability. Other muscles, such as those from the round including the *Biceps femoris*, have lower eating quality characteristics. Thus, indicating that other processing techniques are needed to increase marketability and decrease variability of these cuts.

CHAPTER III

MATERIALS AND METHODS

Ninety-six, vacuum-packaged beef subprimals (n=32 per subprimal) (USDA Select) were obtained from a commercial processor over three fabrication days at 48 hours postharvest. The subprimals were aged for 5 days at 2°C at the Texas A&M University Rosenthal Meat Science and Technology Center. After aging, the subprimals were fabricated into individual muscles for processing. Muscles within a processing day were fabricated on the same day. The four muscles were chuck tender (Meat Buyers Guide # 116B) (*Supraspinatus* muscle; used as a low connective tissue chuck cut that is dark in color), bottom or outside round flats (Meat Buyers Guide #171B) (*Biceps femoris* muscle; representative of high connective tissue round cuts that has a high incidence of color two-toning), clod (Meat Buyers Guide #114) (*Triceps brachii long head* muscle; representative of high connective tissue chuck cuts that is dark in color) and strip loin (Meat Buyers Guide #180) (*Longissimus dorsi*; used as a control). Within a muscle, muscles were randomly assigned to 1 of 24 treatments of a 2 x 4 x 3 factorial arrangements as follows:

Injection: Non-injected or injected.

Tumbling: 0, 5, 10 or 20 minutes.

Blade Tenderization: 0, 1 pass or 2 passes.

The study was conducted over six processing days (defined as a block) and 2 muscles within a treatment subclass were used within a processing day. Muscles assigned to the injection treatment were injected up to 10% of their original or green

weight with a standardized brine. Injection was done with an Inject Star B125 (Inject Star Systems, Globus Laboratories, Inc., South Hakensack, NJ). This brine contained the following ingredient so that the levels are those concentrations in the final product: 97.65% double distilled deionized water, 1.55% potassium lactate (Purasal, Purac, Inc. Lincolnshire, IL) 0.1% sodium diacetate (Niacet Corp., Niagra Falls, NY) 0.4% salt (Morton Culinox 999, Morton Salt, Grand Saline, TX) and 0.3% sodium tripolyphosphate (Brifisol 85, BK-Laderburg Corp., Cresshill, NJ). A new brine solution was prepared each processing day. Ingredients were dissolved in double distilled deionized water in the following order: sodium tripolyphosphate, salt, sodium diacetate and potassium lactate. Two pH measurements of the brine solution were taken each processing day and the average was used as the brine pH. The final injected percentage was 10% of the muscle's original (green) weight. Muscles were weighed before and after injection to calculate the percent uptake of solution of each muscle. If the percent uptake was greater than 10%, manual pressure was applied to the muscle to remove extra brine. Muscles were injected a second time if the percent uptake was less than 10%. Cuts assigned to the tumbling treatment were tumbled in a vacuum-tumbler (VT500, Leland Southwest, Fort Worth, TX, 22mm/Hg) for the defined time. Preliminary studies were conducted with different tumbling times up to 25 minutes to ensure that tumbling times are reasonable from a visual and meat texture standpoint. Specifically, to ensure tumbling did not result in a product that lost all muscle fiber integrity and therefore did not resemble a steak. Also, preliminary studies were performed to ensure tumbling times did not increase discoloration. After tumbling, those cuts assigned to blade

tenderization were tenderized either 1 or 2 times using a blade tenderizer. Due to a mechanical failure, a commercial blade tenderizer (TR2, Bettcher Corp., Birmingham, Ohio) was used for the first two processing days and a hand blade tenderizer (Super 3 Model, Jacard Corporation of Buffalo, Orchard Park, NY) was used for all remaining processing days. After processing, muscles were vacuum packaged (Mod. 2100-0; Ultravac Koch Packaging, KS) and stored overnight at 4˚C to allow for the brine solution to equilibrate. After overnight storage, each muscle was removed from vacuum package bags and sliced into five sections. Each section was randomly assigned to one of five storage times of 1, 3, 7, 10 or 14 days. Within a section, two 2.54 cm steaks were cut except the section assigned to day 1 where three steaks were sliced from this section. Therefore, four of the sections were 2 inches thick and the other section was 3 inches thick. One steak was used for Warner-Bratzler shear force and purge loss. The other steak was used for color and pH. The third steak from the day one section was used for sensory evaluation. Steaks were packaged in a high oxygen modified atmosphere packaging (80% O_2, 20% CO_2) system (Tiromat PowerPak, Convenience Food Systems, Frisco, TX). Modified atmosphere packaging (MAP) packages were composed of XPP bottom webbing and top film (OTR: <25 cc/24hr.,m^2). Steaks were stored as defined by treatment in non-retail, dark, refrigerated conditions at 2ºC.

Analytical Measurements

Color

A three-member trained color descriptive attribute panel evaluated each steak for lean color, amount of discoloration and discoloration color score. Panelists were trained

according to AMSA (1991) guidelines. For each attribute, evaluations were made (lean color and discoloration score: 8=extremely bright cherry red; 1= extremely dark red, amount of discoloration: 7=total discoloration; 1=no discoloration). To ensure that each panelist is consistently evaluating each attribute, color scales were standardized during panelist training sessions as outlined by AMSA (1995). Objective color measurements also were taken. The CIE L*, a*, and b* color space values were taken from three random locations using a Minolta colorimeter (CR-300, Minolta Co., Ramsey, NJ). Each steak was evaluated immediately after removal from the package. Locations measured were on the lean surface and their average calculated. The colorimeter was standardized each day using a white tile.

Sensory Evaluation

A 5-8 member trained meat descriptive attribute panel evaluated steaks of one muscle from 1 or 2 days of storage from each treatment. Panel members were chosen and trained based on the procedures of Meilgaard and others (1991) and AMSA (1995). On each evaluation day, panelists evaluated 24 samples per day. There was three sensory evaluation sessions per day. Between each session, panelists were given a 10 minute break to prevent taste fatigue. Prior to evaluation, ballot development sessions were conducted to determine which attributes were to be evaluated.

Steaks were cooked to an internal temperature of 70°C on an electric grill (FSR200, Farberware Inc., Prospect, IL). Temperature was monitored using type T thermocouple probes (Omega Engineering, Inc., Stamford, CT) inserted into the geometric center of the steak. Steaks were turned once when the temperature reached

35°C internally. The steaks were cut into 2.54 cm^2 cubes and two cubes were served to the panelists within 5 minutes of being cooked (AMSA, 1995). Samples were placed in weigh boats to be served to the panelists. Each panelist sat in a booth to minimize interaction between panelists. Booths had lights equipped with red theater gels to reduce panelist bias from visual differences among steaks as described by Meilgaard (1991). Panelists were given 5 minutes between samples as well as double distilled deionized water and unsalted saltine crackers to cleanse their pallets. Panelists were instructed not to swallow the samples and were provided expectorant cups. Samples were presented in a random order using three digit identification codes. An eight-point descriptive attribute scale (Juiciness: 1= extremely dry, 8= extremely juicy; Muscle fiber tenderness and overall tenderness: 1=extremely tough, 8=extremely tender; Connective tissue amount: 1=abundant, 8=none; Flavor intensity: 1=extremely bland, 8=extremely intense) was used. Aromatics and mouthfeels were scored on an 8-point scale where a score of 0 indicates the absence of the attribute and a score of 8 indicates an extremely intense level of the attribute.

pH

The pH of the sample was determined using a penetrating probe (IQ150, IQ Scientific Instruments, Inc., San Diego, CA). The pH measurement was taken at two different locations and the mean of the two values was used as the pH value for that steak. The pH meter was standardized to pH 4 and 7 using buffer solutions each day before use.

Purge

Percent purge was calculated by weighing the unopened package (UP). Meat then was weighed without the free juices and package (M). The package was cleaned, dried and weighed without the free juices (P). Percent purge was calculated by dividing the purge weight by the combined weight of the meat plus the package plus the purge weight minus the package weight. The result of that calculation was multiplied by 100. The following equation was used to calculate percent purge:

Percent purge = [UP/(M + P + UP)- P] * 100

Warner-Bratzler Shear Force

Each steak was cooked as previously described for sensory evaluations. Steaks were cooled to room temperature, 24-28°C, before evaluation. Raw weight, cooked weight, temperature on, temperature off and cook time was recorded. Six cores 2.54 cm^2 in diameter were removed from each steak designated for shear force parallel to muscle fiber orientation, avoiding connective tissue and fat deposits (AMSA, 1995). Cores were sheared perpendicular to the muscle fiber orientation using an Instron (Instron Model 1011, Instron Corp., Canton, MA) with a Warner-Bratzler attachment (cross head speed 200mm/sec). The shear force was recorded as kilograms (kg) and the six values for each steak were averaged to determine mean shear force.

Statistical Analysis

Data were analyzed by analysis of variance (ANOVA) using the general linear model (GLM) procedure of SAS (1991) with a predetermined significance level of $P \leq$

0.05. The initial model included main effects of injection, tumbling, blade tenderization, storage time, replication and their two-way interactions. Processing day was included in the model as a block. Sensory color and taste panel data was averaged over panelists. The final model included only main effects and significant interactions ($P < 0.05$). When ANOVA indicates significance, mean separations were performed using STDERR PDIFF function of SAS (SAS, 1991).

CHAPTER IV

RESULTS AND DISCUSSION

Biceps femoris

Injection

The addition of non-meat ingredients in the *Biceps femoris* muscle had the greatest effect on beef quality and sensory characteristics compared to other treatments. Injected steaks had less purge, lower Warner-Bratzler shear force values, higher pH values, and they were darker, less red and had lower yellow (b*) color space values (Table 1). However, interactions with injection and other treatments were significant for some variables. Additionally, injected *Biceps femoris* steaks were juicier, more tender, had higher flavor intensity, soapy and chemical burn mouthfeels, higher soda, chemical flavor aromatics, and higher salt, bitter and sour basic tastes. Serumy/bloody, liver and cardboard flavor aromatics were lower in injected *Biceps femoris* steaks (Tables 2 and 3).

Injection of sodium phosphates is a strategy used to increase water holding capacity and reduce package purge in meat systems and has been extensively studied. In fresh meat, the addition of ingredients that reduce package purge during refrigerated storage improves the overall visual appearance of the package to the consumer. The decrease in package purge reported in meat products that have been treated with potassium lactate and sodium tripolyphosphate is also believed to be due to an increase in pH. Both potassium lactate and sodium tripolyphosphate have an alkaline pH, which results in a higher meat pH. As the concentration of potassium lactate increased,

Table 1. Least squares means for the *Biceps femoris* muscle for main effects for purge, Warner-Bratzler shear force, cook loss, pH, CIE L*, a*, b* color space values and descriptive attribute sensory color scores.

						Minolta CIE Color Space Values			Panel Color[b]		
Effect	Package purge, %	Warner Bratzler Shear force, kg	Cook loss, %	Cook Time, min	pH	L*	a*	b*	Raw Color	Amount Of Dis-coloration	Dis-Color
Injection	0.015[a]	0.0001[a]	0.15[a]	0.83[a]	0.0001[a]	0.0001[a]	0.0129[a]	0.0001[a]	0.0007[a]	0.23[a]	0.10[a]
Non-injection	1.03[d]	3.50[d]	28.17	24.47	5.54[c]	48.85[d]	14.80[d]	8.28[d]	4.41[d]	4.34	1.01
Injection	0.84[c]	3.13[c]	27.35	24.61	5.66[d]	46.64[c]	14.00[c]	7.31[c]	4.15[c]	4.16	1.09
Tumbling, minutes	0.91[a]	0.22[a]	0.60[a]	0.73[a]	0.48[a]	0.09[a]	0.05[a]	0.91[a]	0.21[a]	0.0228[a]	0.55[a]
0	0.90	3.28	27.76	25.00	5.61	47.24	14.46	7.98	4.36	4.10[c]	1.08
5	0.96	3.40	27.12	23.94	5.57	48.21	14.11	7.74	4.22	4.65[d]	1.04
10	0.93	3.21	28.15	24.77	5.62	47.36	15.09	7.88	4.37	4.19[c]	1.08
20	0.97	3.38	28.00	24.42	5.61	48.20	13.93	7.77	4.19	4.05[c]	1.00
Blade Tenderized	0.03[a]	0.72[a]	0.05[a]	0.39[a]	0.93[a]	0.35[a]	0.48[a]	0.61[a]	0.41[a]	0.33[a]	0.82[a]
0	1.08[d]	3.33	26.78	25.02	5.61	48.12	14.57	7.88	4.35	4.16	1.06
1	0.89[c]	3.34	28.32	24.72	5.60	47.55	14.14	7.71	4.24	4.40	1.06
2	0.84[c]	3.27	28.17	23.87	5.61	47.59	14.49	7.80	4.26	4.18	1.03
Storage time, days	0.0002[a]	0.52[a]	0.043[a]	0.0047[a]	0.0003[a]	0.0001[a]	0.0001[a]	0.0041[a]	0.0001[a]	0.0001[a]	0.57[a]
1	1.22[e]	3.32	28.11[cd]	25.14[d]	5.67[e]	46.38[c]	17.63[f]	8.32[d]	4.53[e]	3.73[c]	1.09
3	0.63[c]	3.30	26.78[c]	26.28[d]	5.63[de]	47.44[cd]	15.22[e]	7.64[c]	4.56[e]	3.94[c]	1.07
7	0.94[d]	3.45	28.68[d]	24.15[cd]	5.65[e]	47.98[d]	14.30[de]	7.87[c]	4.26[d]	4.10[cd]	1.07
10	1.00[de]	3.27	28.67[d]	25.03[d]	5.56[cd]	46.88[c]	13.70[d]	7.59[c]	4.23[d]	4.46[d]	0.96
14	0.91[d]	3.27	26.55[c]	22.09[c]	5.52[c]	50.08[e]	11.14[c]	7.57[c]	3.84[c]	5.02[e]	1.06
Root Mean Square Error	0.713	0.672	5.27	6.46	0.207	3.08	2.72	1.26	0.674	1.33	0.451

[a] P-value from analysis of variance tables.

[b]Raw color: 1=extremely dark red; 8= extremely bright cherry red ; Amount of Discoloration: 1=no discoloration ; 7= total discoloration ; Discolor: 1= extremely dark red/brown ; 8= extremely bright cherry red

[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 2. Least squares means for the *Biceps femoris* muscle for main effects for trained sensory flavor descriptive texture and mouthfeel scores.

Effect	Juiciness[b]	Muscle Fiber Tenderness[b]	Connective Tissue Amount[b]	Overall Tenderness[b]	Overall Flavor Intensity[b]	Mouthfeels[b]		
						Soapy	Metallic	Chemical Burn
Injection	0.0146[a]	0.0182[a]	0.12[a]	0.0199[a]	0.0001[a]	0.0156[a]	0.62[a]	0.0069[a]
Non-injection	4.75[c]	5.38[c]	5.79	5.24[c]	3.50[c]	0.06[c]	0.63	0.21[c]
Injection	5.07[d]	5.71[d]	5.57	5.57[d]	3.98[d]	0.19[d]	0.59	0.38[d]
Tumbling, minutes	0.44[a]	0.50[a]	0.57[a]	0.46[a]	0.01[a]	0.43[a]	0.27[a]	0.09[a]
0	5.08	5.62	5.77	5.50	3.85[d]	0.09	0.65	0.40
5	4.82	5.40	5.52	5.22	3.72[cd]	0.11	0.53	0.29
10	4.90	5.66	5.77	5.48	3.57[c]	0.20	0.54	0.32
20	4.85	5.49	5.67	5.43	3.83[d]	0.12	0.72	0.17
Blade Tenderized	0.41[a]	0.80[a]	0.13[a]	0.72[a]	0.50[a]	0.0190[a]	0.09[a]	0.40[a]
0	5.02	5.52	5.55	5.35	3.72	0.22[d]	0.70	0.29
1	4.89	5.50	5.60	5.38	3.71	0.10[c]	0.50	0.25
2	4.82	5.61	5.89	5.48	3.80	0.05[c]	0.63	0.35
Root Mean Square Error	0.520	0.564	0.609	0.574	0.269	0.209	0.320	0.259

[a] P-value from analysis of variance tables.

[b] Juiciness: 1=extremely dry; 8=extremely juicy; Muscle fiber and overall tenderness: 1=extremely tough; 8=extremely tender; connective tissue amount: 1=abundant; 8=none; Mouthfeels: 1=extremely bland; 8=extremely intense

[cd] Mean values within a column and followed by the same letter are not significantly different ($P > 0.05$).

Table 3. Least squares means for the *Biceps femoris* muscle for main effects for trained sensory flavor descriptive flavor aromatics attributes.

Effect	Cooked Beefy/Brothy	Cooked Beef Fat	Serumy/ Bloody	Liver	Grassy/ Musty	Soda Flavor	Salt Flavor	Bitter Flavor	Chem- ical	Sour	Card- Board
Injection	0.16[a]	0.18[a]	0.0042[a]	0.0131[a]	0.25[a]	0.0388[a]	0.0001[a]	0.0002[a]	0.0001[a]	0.0002[a]	0.031[a]
Non-injection	2.95	1.11	0.33[d]	0.16[d]	0.63	0.01[c]	0.42[c]	0.25[c]	0.06[c]	0.02[c]	0.21[d]
Injection	2.90	1.18	0.17[c]	0.06[c]	0.54	0.07[d]	1.50[d]	0.53[d]	0.13[d]	0.22[d]	0.10[c]
Tumbling, minutes	0.52[a]	0.83[a]	0.83[a]	0.21[a]	0.98[a]	0.43[a]	0.45[a]	0.0397[a]	0.28[a]	0.15[a]	0.72[a]
0	2.90	1.17	0.23	0.14	0.61	0.02	1.06	0.56[d]	0.27	0.22	0.12
5	2.89	1.16	0.24	0.16	0.58	0.02	0.96	0.30[c]	0.20	0.08	0.17
10	2.95	1.11	0.25	0.06	0.58	0.07	0.82	0.38[c]	0.24	0.09	0.19
20	2.96	1.15	0.29	0.06	0.58	0.03	1.01	0.32[c]	0.14	0.10	0.15
Blade Tenderized	0.57[a]	0.34[a]	0.19[a]	0.93[a]	0.93[a]	0.0085[a]	0.74[a]	0.14[a]	0.82[a]	0.36[a]	0.73[a]
0	2.90	1.10	0.32	0.12	0.60	0.01[c]	0.97	0.45	0.20	0.15	0.13
1	2.95	1.20	0.23	0.11	0.59	0.01[c]	0.91	0.29	0.21	0.07	0.16
2	2.92	1.14	0.21	0.10	0.57	0.10[d]	1.01	0.43	0.23	0.14	0.18
Root Mean Square Error	0.168	0.218	0.221	0.169	0.312	0.108	0.447	0.296	0.198	0.202	0.204

[a] P-value from analysis of variance tables.
[b]Flavor aromatics: 1= extremely bland, 8= extremely intense.
[cd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

in top loin steaks, the pH also increased (Anwar and others, 2004). Increasing levels of sodium or potassium lactate resulted in increased pH in cooked beef top rounds (Pagach, 1992). Pork loin samples injected with brines containing 0.2 to 0.4% sodium tripolyphosphate in the final product had higher pH values than non-injected samples (Banks and others, 1998). The highest pH was seen in pork loins injected with a phosphate blend when compared to controls or samples injected with potassium sorbate or sodium acetate (Mendonca and others, 1989). This increase in pH results in muscle proteins unfolding and exposing more charged sites for binding water (Gunner, 1995). As the pH of meat increases, the pH moves further away from the isoelectric point of meat (pH ~ 5.1). This results in proteins with a net negative charge. This negative charge allows for more charged groups to be available for water binding, thus decreasing package purge.

In addition to decreased package purge, the improved water holding capacity that results from the addition of potassium lactate and sodium tripolyphosphate also improved the juiciness of treated meat. The addition of lactates and phosphates has been found to increase juiciness in previous studies. Roast beef samples treated with sodium lactate were rated higher for juiciness by a trained descriptive attribute sensory panel (Papadopoulos and others, 1991b). Fresh pork roasts injected with sodium tripolyphosphate were rated juicier than control roasts (Smith and others, 1984). Higher juiciness scores were also reported in frozen beef patties (Molins and others, 1987), fresh pork loins (Sheard and others, 1999) and reheated pork *longissimus* muscle (Cannon and others, 1993).

In this study, injection of non-meat ingredients decreased package purge and increased pH in *Biceps femoris* steaks. However, package purge percentage was highest on storage day 1 regardless of injection treatment (Table 4). As the storage day increased from 3 to 10 days, package purge was the same in injected and non-injected *Biceps femoris* steaks. However, non-injected *Biceps femoris* steaks had significantly more purge after 14 days of storage compared to injected *Biceps femoris* steaks stored for 14 days.

The salts of lactic acid and alkaline phosphates have been shown to decrease package purge in previous studies. Vacuum-packaged top loin steaks injected with potassium lactate had the lowest purge values compared to non-injected controls and steaks injected with brines containing sodium diacetate (Anwar and others, 2004). The addition of 0.5% sodium tripolyphosphate in pork *semimembranous* muscle decreased free water by 50% (Cannon and others, 1993). Pyrophosphates have been shown to cleave the acto-myosin bonds between myofilaments. This results in more space for water to enter the myofilaments and bind to charged groups on the muscle proteins, thus lowering package purge (Offer and Trinick, 1983).

The color of steaks, measured either by trained sensory panelists or by instrumental methods, was affected by injection (Table 1). Injected *Biceps femoris* steaks were darker, with less red and yellow colors. Minolta CIE color space values measure lightness (L*), redness (a*) and yellowness (b*) in a meat sample. The use of the salts of lactic acid have been reported to result in a darker meat color. It should be noted that Anwar and others (2004) injected top loin steaks with potassium lactate which

Table 4. Least squares means for the *Biceps femoris* muscle for injection by storage day interactions for package purge percentage.

Effect	Package purge, %
Injection by storage time, days	
P-value	0.0497 [a]
Non-injection, 1	1.31 [d]
Non-injection, 3	0.67 [b]
Non-injection, 7	0.84 [bc]
Non-injection, 10	1.16 [cd]
Non-injection, 14	1.18 [cd]
Injection, 1	1.12 [cd]
Injection, 3	0.60 [b]
Injection, 7	1.03 [cd]
Injection, 10	0.84 [bc]
Injection, 14	0.63 [b]

[a] P-value from analysis of variance tables.
[bcd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

resulted in lower CIE L* color space values and to have a darker purple color as determined by a trained color panel (Anwar and others, 2004). Specifically, top loin steaks injected with the highest level of potassium lactate tested, 2.5%, had the darkest purple color (Anwar and others, 2004). Cooked beef top rounds treated with sodium lactate were found to have a darker color as determined by a trained color panel (Papadoupolous and others, 1991). In top loin steaks, Minolta CIE a* and b* color space values in top loin steaks treated with potassium lactate were lower than controls (Anwar and others, 2004).

The darker color reported in steaks treated with potassium lactate is believed to be due to the higher meat pH that results. As previously discussed, meat with a higher pH has more charged groups available to bind water. A highly hydrated protein results and less water is at the surface of the muscle tissue to reflect light. Meat with less light reflectance appears to have a darker color.

Another benefit that has been associated with the injection of non-meat ingredients is improved tenderness. Texture of steaks is one part of meat eating quality and overall consumer acceptance of beef. Steaks with improved tenderness are perceived to be of higher quality than tougher steaks. In this study, there was an increase in tenderness as shown by lowering Warner-Bratzler shear force values and higher trained sensory panel scores. Similar results also have been reported in previous studies examining the use of non-meat ingredients. A decrease in Warner-Bratzler shear force values was seen in top loin steaks with the initial addition of potassium lactate (Anwar and others, 2004). In top loin steaks, a trained sensory panel found steaks

injected with potassium lactate at levels of 1.5% to 2.0% had improved muscle fiber and overall tenderness (Anwar and others, 2004). Trained sensory panelists rated cooked beef roasts treated with sodium lactate higher for muscle fiber tenderness and overall tenderness than controls (Papadopoulos and others, 1991b). The addition of sodium tripolyphosphate improved tenderness in cooked beef and pork roasts compared to non-injected controls as determined by a trained sensory panel (Smith and others, 1984). There are two proposed theories that explain sodium tripolyphoshpate's mode of action to increase tenderness. First, it is believed that sodium tripolyphosphate promotes the depolymerization of myosin filaments. Second, sodium tripolyphoshate weakens the binding of the myosin head to actin. This promotes the dissociation of the acto-myosin complex and allows limited expansion of the filament lattices (Offer and Trinick, 1983).

There was a significant blade tenderization by injection interaction for Warner Bratzler shear force values in *Biceps femoris* steaks (Table 5). This interaction indicated that injection alone had the largest impact on lowering Warner-Bratzler shear force values. The combination of blade tenderization and injection was not found to further decrease Warner-Bratzler shear force values in *Biceps femoris* muscles. This might be due to two factors. One, muscles were blade tenderized after injection. This could have led to some of the brine solution leaking out of the muscle prior to absorption; thus, decreasing the effectiveness of the non-meat ingredients. Secondly, a hand blade tenderizer was used on one of the processing days of the *Biceps femoris*. If the blades of the hand blade tenderizer did not fully pierce the muscle, blade tenderization would not have resulted in lower Warner-Bratzler shear force values. However, the replication by

Table 5. Least squares means for the *Biceps femoris* and muscle for main effects for Warner-Bratzler shear force and cook time.

Effect	Warner-Bratzler Shear force, kg	Cook time, min
Injection x Blade Tenderization		
P-value	0.0112[a]	0.0252[a]
Non-injection, 0	3.68[e]	25.73[cd]
Non-injection, 1	3.46[de]	23.30[b]
Non-injection, 2	3.37[cd]	24.37[bcd]
Injection, 0	3.00[b]	24.32[bcd]
Injection, 1	3.23[bcd]	26.13[d]
Injection, 2	3.18[bc]	23.37[bc]

[a] P-value from analysis of variance tables.
[bcde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

blade tenderization interaction for Warner-Bratzler shear force values was not significant, indicating that this effect most likely did not occur.

The use of certain non-meat ingredients has had a minimal effect on certain flavor attributes in previous studies. In fresh beef top loin steaks, the use of potassium lactate did not affect overall flavor intensity, beefy/brothy, cooked beef fat, serumy/bloody, burnt/browned, cardboard, liver, metallic mouthfeel and sour tastes as determined from a trained descriptive attribute panel (Anwar and others, 2004). However, in that study salt was not added to the brines tested as in this study. Pagach (1992) found that cooked roasts treated with combinations of sodium and/or potassium lactate had an increase in beefy/brothy flavor, but the increase was due to the sodium lactate and not the potassium lactate. Sodium diacetate was found to not affect any flavor aromatics except sour in ground beef patties (Grones, 2000). Sodium tripolyphosphate did not have the same decrease in flavor intensity observed in control roasts (Smith and others, 1984).

The lower serumy bloody and livery flavor aromatics reported in the *Biceps femoris* could be due to several factors. One, different beef muscles have different flavor profiles and could possibly react differently to the addition of non-meat ingredients. This is due to differing amounts of myoglobin and lipid in each beef muscle (Miller, 2001). Muscles that have higher amounts of myoglobin, such as the *Biceps femoris*, have been found to have higher livery flavor aromatics than lower myglobin cuts (Miller, 2001). The use of non-meat ingredients often has a dilution effect on flavor aromatics. The addition of water from the brine solution could have diluted some flavor

aromatics, such as livery. Secondly, the use of non-meat ingredients can sometimes mask flavor attributes. The addition of salt to beef can increase salty flavor attributes, but this increase can mask other flavor attributes.

The cardboard flavor aromatic is a negative flavor aromatic associated with the "warmed-over flavor" that is caused by lipid oxidation (Johnsen and Civille, 1986). An increase in cardboard flavor aromatics is associated with rancidity in meat products. Beef round roasts injected with sodium tripolyphosphate had lower cardboard flavor aromatics compared to controls (Smith and others, 1984). In top loin steaks, the addition of potassium lactate was found to have no effect on cardboard flavor aromatics (Anwar and others, 2004). Cardboard flavors were lower in beef roasts treated with sodium lactate than in controls (Papadoupolous and others, 1991a and Evans, 1992). Sodium diacetate has been found to only affect sour basic tastes in previous studies (Grones, 2000). Since potassium lactate and sodium diacetate were found in a previous study not to affect cardboard flavor aromatics, the decrease in cardboard flavor aromatics in the *Biceps femoris* seen in this study are most likely due to the addition of salt and sodium tripolyphosphate.

Chemcial flavor aromatics, sour, salt and bitter basic tastes and soapy and chemical burn mouthfeels were higher in injected treatments in the *Biceps femoris.* With the addition of salt an increase in salty basic tastes would be expected. Also, as the concentration of potassium lactate increased from 1.5 to 2.0% in top loin steaks, there was an increase in saltiness as determined by a trained descriptive attribute panel (Anwar and others, 2004). In earlier studies, the chemical aromatic has been described as

medicinal/sweet in cooked beef top rounds and was associated with sodium lactate (Papadoupolous and others,1991bc). As the level of sodium lactate increased in cooked beef top rounds, there also was an increase in the medicinal/sweet aromatic (Papadopoulos and others, 1991b). The use of sodium diacetate has been associated with an increase in sour flavors. This is due to the two acetate ions included in the chemical composition of sodium diacetate. In ground beef patties containing either 2% sodium lactate and 0.15% sodium diacetate or 3% sodium lactate and 0.15% sodium diacetate, trained panelists did report slightly higher sour flavors when compared to control samples (Grones, 2000). There is a bitter flavor that has been associated with the use of potassium lactate. In top loin steaks, as the concentration of potassium lactate increased from 1.5 to 2.0%, there was an increase in bitterness, as determined by a trained descriptive attribute panel (Anwar and others, 2004). Soapy is the mouthfeel most often associated with the addition of sodium tripolyphosphate to meat products. In cooked beef roasts, the addition of sodium tripolyphosphate increased soapy mouthfeels (Smith and others, 1984). Chemical burn is the mouthfeel most associated with the addition of lactates in meat products. It is described as the burning sensation on the lips or tongue as the sample was masticated. In ground beef patties, chemical burn feeling factors were higher in patties that contained 3 to 4% sodium lactate than in control patties (Maca and others, 1997).

In summary, injection of non-meat ingredients had the greatest impact on the textural, visual and sensory characteristics of *Biceps femoris* steaks compared to other treatments. Therefore, the use of non-meat ingredients would be recommended to

improve the overall quality of *Biceps femoris* steaks packaged in modified atmosphere packaging.

Vacuum Tumbling

Vacuum-tumbling is a mechanical method used in industry to improve brine distribution. For this reason, meat in this study was vacuum tumbled in hopes of further enhancing the benefits of non-meat ingredients and loosening meat structure without adversely affecting meat color. However, vacuum-tumbling had minimal effects on the quality attributes of *Biceps femoris* steaks. Five minutes of vacuum-tumbling increased the amount of discoloration in the *Biceps femoris* as determined by the trained color panel (Table 1). Minimal effects in flavor, basic tastes or mouthfeels were reported by the trained descriptive attribute sensory panel due to vacuum-tumbling. Shorter tumbling times (5 and 10 minutes) decreased overall flavor intensity in the *Biceps femoris* (Table 2) and vacuum-tumbled *Biceps femoris* steaks had lower bitter basic tastes than non-tumbled steaks (Table 3).

Cook loss is an attribute that is associated with water holding capacity. As meat proteins are heated, they denature and lose the ability to hold water. As discussed earlier, the use of non-meat ingredients has been shown to improve water-holding capacity. No published studies have examined the effect vacuum-tumbling alone has on cook loss. In this study, cook loss decreased in samples that were not blade tenderized and tumbled 20 minutes (Table 6). For samples that were passed through the blade tenderizer once or twice, vacuum-tumbling had no effect on cook loss (Table 6). Vacuum-tumbling has

Table 6. Least squares means for the *Biceps femoris* muscle for the interaction between blade tenderization and tumbling for Warner-Bratzler shear force, cook loss, trained sensory color scores for the amount of discoloration.

Effect	Warner-Bratzler Shear force, kg	Cook Loss, %	Amount of Dis-Coloration[b]
Blade Tenderization (passes) x Tumbling (time)			
P-value	0.0068 [a]	0.0431[a]	0.0042[a]
0, 0 min	3.33 [cde]	27.36[d]	3.79[cd]
0, 5 min	3.67[f]	27.52[de]	4.40[d]
0, 10 min	3.14[cd]	27.60[de]	4.04[d]
0, 20 min	3.20[cde]	24.64[c]	4.42[d]
1, 0 min	3.40[cdef]	28.37[de]	4.35[d]
1, 5 min	3.46[def]	27.28[cd]	4.38[d]
1, 10 min	3.12[cd]	28.38[de]	4.43[de]
1, 20 min	3.40[cdef]	29.26[de]	4.45[de]
2, 0 min	3.12[cd]	27.56[de]	4.15[d]
2, 5 min	3.08[c]	26.55[cd]	5.17[e]
2, 10 min	3.37[cdef]	28.45[de]	4.10[d]
2, 20 min	3.53[ef]	30.11[e]	3.29[c]

[a] P-value from analysis of variance tables.

[b] Amount of Discoloration: 1=no discoloration; 7=total discoloration .

[cdef] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

been found to increase brine absorption in pork *Biceps femoris* muscles compared to non-tumbled samples (Solomon and others, 1980). As discussed earlier, potassium lactate and alkaline phosphates help improve water-holding capacity of meat by increasing pH. If the non-meat ingredients were better distributed due to vacuum-tumbling, then cook loss would be lower. However, the injection by vacuum-tumbling interaction was not significant. Also, the muscles in this study were blade tenderized after being vacuum-tumbled. It is possible that the spaces created by blade tenderization enabled extra brine and free water to be lost during cooking. Therefore, blade tenderization would have negated any benefits vacuum-tumbling would have had on cook loss.

Discoloration of beef steaks is caused by several factors. These include microbial growth, pH changes and two-toning from the injection of non-meat ingredients. In this study, the same scale was used to determine discoloration and two-toning. There was a significant interaction for vacuum-tumbling and blade tenderization for the amount of discoloration in *Biceps femoris* steaks (Table 6). Twenty minutes of vacuum tumbling decreased the amount of discoloration in steaks that were passed through the blade tenderizer twice. Conversely, five minutes of tumbling increased the amount of discoloration in samples that were passed through the blade tenderizer twice. In samples that were not blade tenderized or passed through the blade tenderizer once, vacuum-tumbling had no effect on the amount of discoloration in *Biceps* femoris steaks. The increase in the amount of discoloration seen in the *Biceps femoris* in this study could have been due to better brine distribution from vacuum tumbling. Vacuum-tumbling has

been found to increase brine absorption in pork *Biceps femoris* muscles compared to non-tumbled samples (Solomon and others, 1980). The use of lactates and sodium diacetate has been shown to increase two toning in beef top loin steaks (Anwar and others, 2004). Also, the use of blade tenderization in combination with vacuum-tumbling could have resulted in an increase in discoloration. Blade tenderization is a process that disrupts the muscle fiber structure. This disruption and lysing of cells opens and exposes the cell structure. This would increase the number of cells being exposed to the air. Oxidative enzymes and microorganisms can cause discoloration. With more cells being exposed to either oxidative enzymes or microorganisms, this could lead to an increase in discoloration.

Also, the use of carbon dioxide in modified atmosphere packaging has been found to increase browning of meat. This results because the myoglobin pigments are oxidized to metmyoglobin. Another possibility is the high amount of connective tissue in the *Biceps femoris* prevented even brine distribution. Since the lowest amounts of discoloration were reported in steaks that were blade tenderized twice and vacuum tumbled for twenty minutes, it is possible this combination was able to effectively disrupt the connective tissue matrix and allow for even brine distribution.

Previous studies on vacuum-tumbling have not examined the effects of vacuum-tumbling on Warner-Bratzler shear force values. In this study, five minutes of tumbling in samples that were not blade tenderized had higher Warner-Bratzler shear force values compared to the control (Table 6). It is possible that five minutes of vacuum-tumbling was not a sufficient amount of time to extract salt-soluble proteins.

In summary, vacuum-tumbling had minimal effects on *Biceps femoris* steaks in this study. This did not greatly improve the quality of *Biceps femoris* steaks. For this reason, vacuum-tumbling would not be recommended as a method to improve the overall quality of *Biceps femoris* steaks.

Blade Tenderization

Blade tenderization is a mechanical method to disrupt connective tissue and muscle fibers to improve tenderness. In this study, blade tenderization was used to create more space for brine to distribute throughout the muscle. Blade tenderization had minimal effects on the quality attributes of *Biceps femoris* steaks. Blade tenderization decreased package purge in *Biceps femoris* steaks (Table 1) and blade tenderized *Biceps femoris* steaks had lower soapy mouthfeels (Table 2). Two passes through the blade tenderizer increased soda flavor aromatics in *Biceps femoris* steaks (Table 3).

Blade tenderization disrupts connective tissue and muscle fibers by piercing the muscle with several blades. This piercing lyses muscle cells, possibly allowing for cellular fluid to escape. Results from previous studies have reported that blade tenderization did not affect drip loss or package purge. Tatum and others (1978) found that blade tenderization did not affect drip losses in beef *Biceps femoris* muscles and Jeremiah and others (1999) observed no affect on thaw drip loss. No published study has reported a decrease in purge or drip loss in meat that has been blade tenderized. The decrease in package purge in this study could be due to better distribution of the non-meat ingredients that increased water-holding capacity. The disruption of muscle fibers by blade tenderization could enable muscle proteins to hold brine, or allow a more even

distribution of the non-meat ingredients. However, statistical analysis of the blade tenderization by injection interaction for the *Biceps femoris* was not significant.

Numerous studies have shown that the piercing of muscle fibers by blades improves the tenderness of meat. In top round roasts, top round steaks and top loin steaks one pass through the blade tenderizer decreased Warner-Bratzler shear force values (Glover and others, 1977). Also, as the number of pass through a blade tenderizer increased, Warner-Bratzler shear force values were found to significantly decrease (Boyd and others, 1978). Additional research on twelve different beef muscles has shown that blade tenderization improved initial and overall tenderness of trained sensory panel scores of outside round, top sirloin, strip loin, inside round and chuck tender steaks (Jeremiah and others, 1999). In this study, blade tenderized *Biceps femoris* steaks did not have lower Warner-Bratzler shear force values or improve trained sensory panel tenderness scores. There was a significant interaction for injection by blade tenderization reported for Warner-Bratzler shear force and cook time (Table 5). Warner-Bratzler shear force values were lowest in samples injected, but not blade tenderized. Samples that were blade tenderized either once or twice had the same Warner-Bratzler shear force values regardless of injection treatment. This indicates that injection alone had the greatest impact on tenderness of *Biceps femoris* steaks compared to blade tenderization used alone or in combination with injection.

There are three possible reasons to explain why blade tenderization did not significantly decrease Warner-Bratzler shear force values or improve trained sensory panel tenderness scores. One, during the processing of the *Biceps femoris*, the

commercial blade tenderizer had a mechanical failure after the second processing day. This resulted in a hand blade tenderizer being used for the third processing day. Hand blade tenderizers were designed to be used on steaks, not whole muscle cuts. There is the possibility that the blades of the hand blade tenderizer did not fully pierce the entire muscle evenly. There was a significant interaction for replication by blade tenderization for muscle fiber tenderness and overall tenderness trained sensory panel scores. The results from that interaction showed that replicates one and three were not different. If the hand blade tenderizer had an impact on the tenderness scores, we would expect replication three to be different from both replicates one and two. Futhermore, the replication by blade tenderization interaction for Warner-Bratzler shear force was not significant. Therefore, the use of the hand blade tenderizer did not have a significant effect on Warner-Bratzler shear force values and trained sensory panel tenderness scores for the *Biceps femoris*. The second reason why blade tenderization did not have an impact on Warner-Bratzer shear force values is the statistical calculation. Since, the least squares means were calculated across all treatments, the effects of blade tenderization were averaged across both injected and non-injected treatments. The effects of injection could have negated the effects of blade tenderization, as previously discussed. Another explanation is that the blades were unable to effectively disrupt the high amount of connective tissue in the *Biceps femoris*. A high positive correlation has been found between collagen content and Warner-Bratzler shear force values (Torrescano and others, 2003). Muscles that had higher amounts of collagen also had higher Warner-Bratzler shear force values (McKeith and others, 1985). Sarcomere

length has also been associated with tenderness. Muscles with longer sarcomere lengths, such as the tenderloin, have been found to be more tender (Carmack and others, 1995; McKeith and others, 1985). The *Biceps femoris* has been found to have a short sarcomere length (McKeith and others, 1985). Therefore, the conclusion could be made that blade tenderization was unable to improve tenderness in the *Biceps femoris* due to the short sarcomere length. However, the *Longissimus dorsi* has also been found to have a short sarcomere length (McKeith and others, 1985). Several studies have shown that blade tenderization has effectively improved tenderness in the *Longissimus dorsi* (Hayward and others, 1980; Tatum and others, 1978). Therefore, the high amount of connective tissue is most likely the reason blade tenderization was unable to improve tenderness of *Biceps femoris* steaks.

In addition to improved brine distribution, spaces created from blade tenderization are also believed to allow for faster heat penetration. This would decrease cook times. However, results from previous studies are mixed. Glover and others (1977) found that blade tenderization decreased cook times in beef round roasts when compared to non-blade tenderized control roasts. In another study, *Biceps femoris* steaks that were blade tenderized once did not have different cooking times when compared to non-blade tenderized samples (Jeremiah and others, 1999). In this study, samples that were blade tenderized once and non-injected had the shortest cook time compared to the control (Table 5). Injection either alone or used in combination with blade tenderization did not have an affect on cook time when compared to the control. More spaces for heat to

enter could explain why non-injected, blade tenderized samples had the shortest cooking times.

Blade tenderization has had mixed results on flavor attributes of beef muscles in published studies. Several studies have reported that blade tenderization did not affect flavor scores (Hayward and others, 1980; Davis and others, 1977; Tatum and others, 1978; and Hinnergardt and others, 1975). Specifically, Jeremiah and others (1999) reported that one pass through a blade tenderizer did not affect flavor intensity or flavor desirability in beef *Biceps femoris* steaks. However, no published study has examined the effects of blade tenderization on specific flavor aromatics. In this study, *Biceps femoris* blade tenderized steaks had lower soapy mouthfeels and soda flavor aromatics. As discussed earlier, soapy mouthfeels are associated with the addition of sodium tripolyphosphate to meat products. Muscles were blade tenderized following injection. This could lead to brine solution seeping out of the muscle, resulting in lower flavor aromatics.

In summary, blade tenderization had minimal effects on the quality attributes of *Biceps femoris* steaks. Interactions with the injection treatment showed that injection had a bigger impact than blade tenderization on the textural characteristics of *Biceps femoris* steaks. Therefore, blade tenderization is a method that would not be recommended to enhance the quality of *Biceps femoris* steaks packaged in modified atmosphere packaging.

Storage Day

In *Biceps femoris* steaks, as storage day increased from 3 to 7 days, package purge also increased. Package purge remained unchanged throughout the remainder of the storage period. However, the highest package purge values were reported on day 1. Cook loss in *Biceps femoris* steaks increased as storage day increased from 3 to 7 days of storage. Cook loss was the highest on days 7 and 10 of storage. However, cook loss was not different on any storage day when compared to cook loss values for day 1. pH values were the same on days 1, 3 and 7 in *Biceps femoris* steaks. The lowest pH values were seen on days 10 and 14 of storage. CIE L* color space values increased from day 1 to 7 of storage and values were the same for days 3 and 7. The highest CIE L* color space values were reported on day 14 indicating that *Biceps femoris* steaks were lightest on storage day 14. Trained color panel scores for raw color of *Biceps femoris* steaks decreased throughout storage with the lowest raw color scores reported on day 14 (Table 1). This indicated that as the steaks were stored, the color of *Biceps femoris* steaks changed from a slightly dark red to a moderately dark red or brown color. This would contradict the results from CIE L* color space values (a 4-point change), but would agree with the results from the CIE a* color space values (a 6-point change). Thus, increased lightness was over-riden by increased redness from a visual standpoint.

The highest package purge values reported on day 1 could be due to the non-meat ingredients not being fully bound by the muscle proteins. The increase in purge and cook loss throughout storage could be due to the simultaneous decrease in pH. As the pH of meat decreases, the pH moves closer to the isolectric point of muscle tissue.

As discussed previously, as the pH of meat moves closer to the isoeletric point, the net negative charge decreases on the proteins and the meat proteins lose the ability to bind charged groups. This lower water binding ability would result in more water being purged from the meat.

The decline in pH of meat postmortem is usually due to an increase in microbial growth. Though microbial counts were not measured in this study, several studies have examined microbial growth in meat packaged in modified atmosphere packaging. Gram negative psychrotrophic bacteria of the genus *Pseudomonas* have been found to greatly increase in pork packaged in high oxygen, modified atmosphere packaging during the first seven days of storage (Christopher and others, 1979). However, after seven days of storage *Lactobacillus* and *Leuconostoc* spp. became the predominant bacteria species in pork packaged with 20-50% carbon dioxide (Christopher and others, 1979). This change in predominant bacteria over storage is most likely due to the inhibitory effect of carbon dioxide on aerobic gram-negative meat spoilage bacteria (Huffman and others, 1975). Carbon dioxide is believed to inhibit microbial growth by its action on decarboxylating enzymes (King and others, 1967; King and others, 1975). Carbon dioxide has also been reported to lower the internal pH of muscle tissues (Fennema, 1996). It is believed this lowering of pH results in intracellular acidification of spoilage bacteria. This effect of carbon dioxide also could partially explain the decrease in pH throughout storage.

The lower water holding capacity throughout storage, as shown by an increase in package purge, can also explain the lighter color that resulted during storage. With more

water at the surface, there is more light reflectance. This gives the meat a lighter appearance. *Biceps femoris* steaks also became gradually less red (lower CIE a* color space values) during storage. CIE b* color space values decreased between days 1 and 3 of storage, but there was no further change throughout storage.

An increase in the brown color would be expected as storage progressed in modified atmosphere packaging using carbon dioxide. Through storage, the oxygen is used up and the level of carbon dioxide increases. It has been reported that at high concentrations of carbon dioxide, a browning of the meat surface has been observed (Fennema, 1996). This results because the myoglobin pigments are oxidized to metmyoglobin. The trained color panel also reported that the amount of discoloration increased as storage day increased. An increase in discoloration would be expected during storage since oxidation of myoglobin enzymes as well as an increase in microbial growth is often reported with increased storage.

In summary, injection significantly improved the purge, color, sensory characteristics and tenderness of *Biceps femoris* steaks packaged in modified atmosphere packaging. Therefore, the addition of non-meat ingredients such as potassium lactate, sodium diacetate, sodium polyphosphates and salt would be recommended to improve the marketability of *Biceps femoris* steaks. However, due to the minimal and inconsistent results of vacuum-tumbling and blade tenderization on the sensory and textural characteristics of *Biceps femoris* steaks, neither vacuum-tumbling nor blade tenderization would be recommended.

Supraspinatus

Injection

Similar to the results for the *Biceps femoris*, the addition of non-meat ingredients had the greatest impact on the quality characteristics of the *Supraspinatus*. Injected *Supraspinatus* steaks had less purge, lower Warner-Bratzler shear force values, less cook loss, higher pH, and they were darker, less red and had lower yellow (b*) color space values (Table 7). Also, similar to the *Biceps femoris,* injection did have significant interactions with the other treatments for some of the characteristics evaluated. Additionally, injected *Supraspinatus* steaks were more tender (higher muscle fiber tenderness scores and higher overall tenderness scores), had less detectable connective tissue, higher flavor intensity scores and higher chemical burn mouthfeel scores (Table 8). Also, injected *Supraspinatus* steaks had lower soda and cardboard flavor aromatic intensities; and higher salt, bitter and sour basic tastes and chemical flavor aromatics (Table 9).

The addition of sodium phosphates and the salts of lactic acid is a strategy used to improve water holding capacity and thereby decrease purge and cook loss in meat systems. The addition of potassium lactate and sodium phosphates have been found to decrease package purge. This is believed to be partially due to higher meat pH in meat with sodium phosphate addition. The increase in pH results in an increase of the net negative charges on meat proteins; allowing more charged groups to be available to bind water on the proteins. Also, previous research has found that pyrophosphates are able to

Table 7. Least squares means for the *Supraspinatus* muscle for main effects for purge, Warner-Bratzler shear force, cook loss, pH, CIE L*, a*, b* color space values and descriptive attribute sensory color scores.

						CIE Color Space Values			Panel Color[b]		
Effect	Package purge, %	Warner Bratzler Shear force, kg	Cook loss, %	Cook Time, min	pH	L*	a*	b*	Raw Color	Amount of Dis-Coloration	Dis-Color
Injection	0.013[a]	0.0001[a]	0.0001[a]	0.0095	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.62[a]	0.42[a]
Non-injection	0.79[d]	4.02[d]	32.09[d]	16.45[c]	5.70[c]	46.18[d]	20.34[d]	7.83[d]	4.78[d]	2.85	1.31
Injection	0.57[c]	3.58[c]	29.19[c]	18.00[d]	5.79[d]	44.25[c]	18.45[c]	6.76[c]	4.53[c]	2.91	1.39
Tumbling, minutes	0.40[a]	0.627[a]	0.56[a]	0.11[a]	0.02[a]	0.58[a]	0.03[a]	0.17[a]	0.22[a]	0.0243[a]	0.22[a]
0	0.81	3.88	30.93	17.96	5.79[c]	45.04	19.08[b]	7.15	4.65	2.85[bc]	1.29
5	0.66	3.79	29.90	16.05	5.78[c]	45.37	20.12[c]	7.53	4.75	2.58[b]	1.21
10	0.61	3.81	30.50	17.31	5.70[b]	45.41	19.22[b]	7.30	4.65	3.12[c]	1.46
20	0.65	3.71	31.24	17.58	5.72[bc]	45.05	19.16[b]	7.21	4.57	2.97[c]	1.45
Blade Tenderized	0.71[a]	0.0001[a]	0.04[a]	0.83[a]	0.05[a]	0.01[a]	0.57[a]	0.13[a]	0.88[a]	0.0169[a]	0.38[a]
0	0.73	4.08[e]	29.38[c]	17.34	5.78[c]	44.77[b]	19.49	7.18	4.66	2.65[b]	1.26
1	0.64	3.81[d]	31.49[d]	16.97	5.72[b]	45.64[c]	19.52	7.48	4.64	2.88[bc]	1.37
2	0.68	3.51[c]	31.05[d]	17.36	5.74[bc]	45.24[bc]	19.18	7.24	4.68	3.11[c]	1.43
Storage time, days	0.0001[a]	0.0005[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.001[a]	0.002[a]	0.0143[a]	0.0001[a]	0.0270[a]
0	1.26[d]	3.40[c]	28.05[c]	16.35[cd]	5.75[d]	43.42[b]	20.14[d]	7.66[e]	4.54[c]	2.42[c]	1.64[d]
3	0.48[c]	3.94[d]	31.61[de]	18.55[ef]	5.73[d]	44.67[c]	18.38[c]	6.91[c]	4.56[c]	2.27[c]	1.45[d]
7	0.53[c]	3.93[d]	33.53[e]	19.07[f]	5.84[e]	45.48[d]	19.44[d]	7.48[de]	4.80[d]	2.78[d]	1.30[cd]
10	0.61[c]	3.93[d]	31.18[d]	17.13[de]	5.74[d]	45.24[cd]	19.55[d]	7.31[d]	4.77[d]	3.41[e]	1.16[c]
14	0.53[c]	3.77[d]	28.83[c]	15.03[c]	5.67[c]	47.27[e]	19.48[d]	7.14[cd]	4.63[cd]	3.52[e]	1.22[cd]
Root Mean Square Error	0.818	0.830	6.46	5.40	0.203	2.12	2.48	1.09	0.561	1.19	0.942

[a] P-value from analysis of variance tables.

[b]Raw color: 1=extremely dark red; 8= extremely bright cherry red ; Amount of Discoloration: 1=no discoloration ; 7= total discoloration; Discolor: 1= extremely dark red/brown ; 8= extremely bright cherry red.

[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 8. Least squares means for the *Supraspinatus* muscle for main effects for trained sensory flavor descriptive texture and mouthfeel scores.

Effect	Juiciness	Muscle Fiber Tenderness	Connective Tissue Amount	Overall Tenderness	Overall Flavor Intensity	Mouthfeels		
						Soapy	Metallic	Chemical Burn
Injection	0.33[a]	0.0036[a]	0.0094[a]	0.0026[a]	0.0003[a]	0.39[a]	0.46[a]	0.0418[a]
Non-injection	4.99	5.49[c]	5.86[c]	5.38[c]	3.57[c]	0.16	0.43	0.23[c]
Injection	5.15	5.82[d]	6.15[d]	5.74[d]	3.84[d]	0.21	0.38	0.36[d]
Tumbling, minutes	0.79[a]	0.71[a]	0.86[a]	0.75[a]	0.96[a]	0.69[a]	0.73[a]	0.51[a]
0	5.17	5.73	6.06	5.60	3.73	0.22	0.43	0.26
5	5.02	5.57	6.00	5.47	3.71	0.15	0.36	0.35
10	4.96	5.61	5.93	5.54	3.69	0.15	0.45	0.32
20	5.12	5.70	6.02	5.63	3.68	0.22	0.37	0.24
Blade Tenderized	0.26[a]	0.11[a]	0.90[a]	0.19[a]	0.0207[a]	0.68[a]	0.60[a]	0.06[a]
0	4.88	5.49	5.97	5.42	3.66[c]	0.18	0.45	0.19
1	5.12	5.77	6.03	5.66	3.84[d]	0.21	0.38	0.36
2	5.20	5.70	6.00	5.61	3.60[c]	0.16	0.38	0.32
Root Mean Square Error	0.669	0.454	0.049	0.472	0.295	0.220	0.277	0.250

[a] P-value from analysis of variance tables.

[b]Juiciness: 1=extremely dry; 8=extremely juicy; Muscle fiber and overall tenderness: 1=extremely tough; 8=extremely tender; connective tissue amount: 1=abundant; 8=none; Mouthfeels: 1=extremely bland; 8=extremely intense

[cd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 9. Least squares means for the *Supraspinatus* muscle for main effects for trained sensory flavor descriptive flavor aromatics attributes.

Effect	Cooked Beefy/ Brothy	Cooked Beef Fat	Serumy/ Bloody	Liver	Grassy/ Musty	Soda Flavor	Salt Flavor	Bitter Flavor	Chem-ical	Sour	Card-Board	Acid
Injection	0.41[a]	0.75[a]	0.46[a]	0.57[a]	0.36[a]	0.0141[a]	0.0001[a]	0.0170[a]	0.0468[a]	0.024[a]	0.0064[a]	0.58[a]
Non-injection	2.98	1.13	0.29	0.21	0.84	0.04[d]	0.43[c]	0.22[c]	0.06[c]	0.07[c]	0.14[d]	0.02
Injection	2.95	1.15	0.25	0.25	0.94	0.01[c]	0.96[d]	0.36[d]	0.13[d]	0.15[d]	0.04[c]	0.03
Tumbling, minutes	0.36[a]	0.59[a]	0.50[a]	0.99[a]	0.97[a]	0.94[a]	0.46[a]	0.64[a]	0.59[a]	0.59[a]	0.46[a]	0.025[a]
0	2.95	1.19	0.35	0.21	0.85	0.02	0.80	0.29	0.09	0.08	0.07	0.02[c]
5	2.96	1.15	0.24	0.25	0.89	0.02	0.71	0.32	0.10	0.08	0.12	0.00[c]
10	2.93	1.11	0.24	0.24	0.93	0.02	0.60	0.23	0.13	0.13	0.12	0.08[d]
20	3.02	1.13	0.25	0.22	0.89	0.03	0.67	0.32	0.06	0.14	0.05	0.01[c]
Blade Tenderized	0.0058[a]	0.99[a]	0.93[a]	0.89[a]	0.33[a]	0.99[a]	0.53[a]	0.0081[a]	0.38[a]	0.40[a]	0.64[a]	0.18[a]
0	3.06[d]	1.14	0.29	0.21	0.77	0.02	0.66	0.21[c]	0.06	0.08	0.07	0.00
1	2.93[c]	1.14	0.26	0.25	0.95	0.02	0.76	0.42[d]	0.09	0.14	0.08	0.04
2	2.90[c]	1.15	0.26	0.23	0.95	0.02	0.66	0.23[c]	0.12	0.10	0.11	0.04
Root Mean Square Error	0.167	0.187	0.263	0.314	0.468	0.060	0.365	0.247	0.146	0.153	0.152	0.081

[a] P-value from analysis of variance tables.
[b]Flavor attributes: 1=extremely bland; 8=extremely intense
[cd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

cleave the acto-myosin bonds between myofilaments. This results in more space for water to enter the myofilaments and bind to the charged groups (Offer and Trinick, 1983). Therefore, there is less free water available to purge out of the meat product.

With less free water in the meat product, a decrease in cook loss has also been found in meat with added non-meat ingredients. Lower cook losses result in higher cook yields. In top loin steaks, the addition of potassium lactate resulted in steaks with the highest cook yield values compared to controls and steaks injected with brines containing sodium diacetate (Anwar and others, 2004). Other studies found that as the concentration of sodium lactate increased in meat products, cook yield increased and cook loss decreased (Papadopoulos and others, 1991a and Evans, 1992). In addition to lactates, sodium phosphates also have been found to decrease cook losses in previous studies. Frozen ground beef patties treated with sodium tripolyphosphate had lower cook losses than control samples (Molins and others, 1987). Cook loss occurs when proteins are heated and denatured. This protein denaturation causes proteins to change conformation and loose some of its ability to bind water. A decrease in cook loss is associated with higher water-holding capacity associated with potassium lactate and alkaline phosphates addition. In this study, injected *Supraspinatus* steaks had lower package purge, cook losses and higher pH values. Furthermore, cook loss was lower in injected *Supraspinatus* steaks than non-injected steaks for all storage days except days 3, 10 and 14 (Table 10). For storage days 10 and 14 cook loss was the same, regardless of

injection treatment. In non-injected *Supraspinatus* steaks, cook loss increased with storage until day 10 of storage. Days 10 and 14 had the same package purge values in non-injected samples. In injected *Supraspinatus* steaks, cook loss increased between days 1 and 3, but remained unchanged through the rest of the storage period.

Also, as seen in the injected *Biceps femoris* steaks, color was affected by injection in *Supraspinatus* steaks. Both subjective and objective color measurements indicated that injected *Supraspiatus* steaks were darker. The use of the salts of lactic acid in meat systems has been found to result in a darker color. This is associated with the higher meat pH and lower light reflectance that results in meat treated with the salts of lactic acid. In this study, there was a significant injection by tumbling interaction for CIE L* color space values (Table 11). CIE L* color space values were lower, indicating darker color, in injected steaks regardless of tumbling time. The lightest, highest CIE L* color space values, were found in *Supraspinatus* steaks that were non-injected and tumbled for 5 minutes. Conversely, the darkest color or lowest CIE L* color space values were reported for steaks that were injected and tumbled for 5 minutes. Futhermore, injected *Supraspinatus* steaks were darker than non-injected steaks on all storage days as determined by the trained sensory color panel (Table 10). As storage day increased from 1 to 3 days of storage, non-injected steaks became a brighter cherry red in color, but remained unchanged for the remaining storage period. In injected steaks, the color became darker between days 1 and 3 of storage. Injected steaks stored

Table 10. Least squares means for the *Supraspinatus* muscle for interaction of injection by storage time effects for cook loss, cook time, and descriptive sensory descriptive attribute panel color scores.

Effect	Cook Loss, %	Cook Time, min	Raw Color[b]	Dis-Coloration[b]
Injection by Storage Time, days				
P-value	0.0161 [a]	0.0093[a]	0.0240[a]	0.0113[a]
Non-injection, 1	30.22[de]	16.49[de]	4.52[cd]	1.88[f]
Non-injection, 3	32.65[e]	17.18[de]	4.85[ef]	1.50[def]
Non-injection, 7	37.00[f]	19.92[f]	4.95[f]	1.01[c]
Non-injection, 10	31.80[de]	15.71[d]	4.84[ef]	1.13[cd]
Non-injection, 14	28.82 [cd]	12.98[c]	4.74[def]	1.04[c]
Injection, 1	25.89[c]	16.21[de]	4.55[d]	1.39[cde]
Injection, 3	30.58[de]	19.92[f]	4.26[c]	1.39[cde]
Injection, 7	30.07[de]	18.21[def]	4.64[de]	1.59[ef]
Injection, 10	30.57[de]	18.55[ef]	4.70[de]	1.18[cde]
Injection, 14	28.86[cd]	17.09[de]	4.52[cd]	1.40[cdef]

[a] P-value from analysis of variance tables.

[b]Raw color and Discoloration: 1= extremely dark red; 8= extremely bright cherry red.

[cdefg] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 11. Least squares means for the *Supraspinatus* muscle for interaction of injection by tumbling effects for Warner-Bratzler shear force, cook loss, CIE L* color space values and descriptive attribute sensory beef fat flavor attribute scores.

Effect	Warner Bratzler Shear force, kg	Cook Loss, %	L*	Beef Fat[b]
Injection by Tumble (min)				
P-value	0.0001 [a]	0.0487[a]	0.0006[a]	0.0168[a]
Non-injection, 0	4.42[g]	33.36[f]	45.36[ef]	1.08[cd]
Non-injection, 5	3.75[de]	30.17[cd]	47.15[g]	1.14[cde]
Non-injection, 10	4.14[fg]	32.94[ef]	46.15[fg]	1.21[de]
Non-injection, 20	3.78 [def]	31.91[def]	46.08[f]	1.11[cd]
Injection, 0	3.35[c]	28.51[c]	44.72[de]	1.30[e]
Injection, 5	3.84[ef]	29.63[cd]	43.61[c]	1.15[cde]
Injection, 10	3.49[cd]	28.07[c]	44.66[de]	1.00[c]
Injection, 20	3.65[cde]	30.57[cde]	44.01[cd]	1.14[cde]

[a] P-value from analysis of variance tables.

[b]Beef fat: 1=extremely bland; 8=extremely intense .

[cdefg] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

for 1, 7, 10 and 14 days had the same raw color. Injected and non-injected steaks had the same raw color scores on days 1, 10 and 14 days of storage. On days 3 and 7 injected steaks were darker than non-injected steaks. The discoloration color score of non-injected *Supraspinatus* steaks decreased as storage day increased between days 3 and 7 (Table 10). Discoloration color scores remained unchanged during storage in injected steaks. A lower discoloration color score indicated that the discoloration was a brown color. These results indicate that injection helped to stabilize the raw color and discoloration color in *Supraspinatus* steaks.

As discussed previously, lower Warner-Bratzler shear force and improved trained sensory tenderness values have been reported in meat injected with sodium phosphates and the salts of lactic acid. This improvement in tenderness is associated with the higher water holding capacity that results with the addition of non-meat ingredients. With increased water holding capacity, proteins are able to bind more water. The dilution effect of more water bound to proteins results in more tender meat during mastication. In this study, injected *Supraspinatus* steaks had lower Warner-Bratzler shear force values, higher muscle fiber tenderness and overall tenderness trained sensory panel scores.

In addition to improving the tenderness of meat, previous studies have found the use of lactates in meat products to decrease the amount of detectable connective tissue as determined by a trained descriptive attribute sensory panel. In top loin steaks, trained sensory panelists found steaks treated with potassium lactate at levels of 1.5 to 2.0% had lower amounts of detectable connective tissue than non-treated controls (Anwar and

others, 2004). In this study, injected *Supraspinatus* steaks had less detectable connective tissue. This result could be due to the actual mechanical disruption of connective tissue by the injection needles. Another explanation could be that the dilution effect of injection decreased the proportion of detectable connective tissue.

There was a significant injection by storage time interaction for cook time (Table 10). Cook time was the same on day 1 and 7 regardless of injection treatment. For days 3, 10 and 14 injected steaks had longer cook times than non-injected steaks. Water is a better heat transfer medium than proteins. Therefore, meat with a higher amount of free water would be expected to cook faster than meat with a lower amount of free water and higher water holding capacity.

As discussed earlier, the use of potassium lactate has been found to have minimal effects on overall flavor intensity (Anwar and others, 2004). However, the addition of salt has been found to increase overall flavor intensity (Schwartz and Mandigo, 1976). Potassium lactate treated meat has been shown to have an increase in salt and bitter basic tastes, chemical burn mouthfeels and chemical flavor aromatics (Anwar and others, 2004). Also, the use of the salts of lactic acid have been found to decrease lipid oxidation. Fresh and frozen ground pork that was treated with sodium or potassium lactate had the highest fat stability compared to untreated controls and meat treated with salt alone. Futhermore, potassium lactate was more effective than sodium lactate in reducing the pro-oxidant effects of salt in frozen ground pork (Tan and Shelef, 2002). Lower lipid oxidation results in decreased off-flavors, such as cardboard, due to lipid oxidation.

The beef fat flavor aromatic is associated with the flavor of cooked fat. A previous study that examined vacuum tumbling in *Supraspinatus* roasts reported that as vacuum massage time increased, the fat content of the roasts increased (Shackelford and others, 1989). The tumbling times examined in that study were much longer than the tumbling times used in this study. There was a significant injection by tumbling interaction for beef fat flavor aromatics. In non-injected *Supraspinatus* steaks, tumbling did not have an effect on beef fat flavor aromatics. In injected *Supraspinatus* steaks, 10 minutes of tumbling decreased the beef fat flavor aromatic. One explanation could be that the mechanical action of tumbling may have disrupted the lipid cells in the muscle. By lysing the lipid cells, fat would be released into the muscle and be more detectable during mastication. The decrease in beef fat flavor aromatics reported in injected and tumbled steaks could also be due to other flavors, such as salt, masking the beef fat flavor aromatic or the dilution effect of increased water holding capacity.

Soda flavor aromatics were lower in injected *Supraspinatus* steaks. However, injected *Biceps femoris* steaks in this study had higher soda flavor aromatics. The soda flavor is associated with baking soda or the flavor of an unsalted saltine cracker. No published study has reported a significant difference in soda flavors with the addition of non-meat ingredients. The differences seen in this study could be due to other flavors, such as salt and bitter basic tastes, masking the soda flavor aromatics in the *Supraspinatus*. Soda flavor aromatics could have also been diluted by the additional water bound in meat treated with non-meat ingredients.

In conclusion, injection of non-meat ingredients such as potassium lactate and sodium tripolyphosphate improved the quality attributes of *Supraspinatus* steaks. Injected steaks were more tender, had lower purge and better color stability than non-injected steaks. Injected steaks had lower amounts of detectable connective tissue and higher overall flavor intensities.

Vacuum Tumbling

Vacuum tumbling had minimal effects on the quality attributes of *Supraspinatus* steaks. *Supraspinatus* steaks that were tumbled 10 or 20 minutes had lower pH values than non-tumbled samples or steaks tumbled for 5 minutes. Steaks that were tumbled for 5 minutes had higher redness (CIE a* color space) values than non-tumbled steaks and for steaks tumbled for either 10 or 20 minutes. *Supraspinatus* steaks vacuum-tumbled for 10 and 20 minutes had higher amounts of discoloration than non-tumbled samples or samples tumbled for 5 minutes (Table 7).

Results from the trained descriptive attribute sensory indicated that vacuum-tumbling did not affect any textural properties or flavor attributes in *Supraspinatus* steaks except for acid flavor attributes (Tables 8 and 9). *Supraspinatus* steaks tumbled for 10 minutes had higher acid flavor attributes than non-tumbled steaks or steaks tumbled for either 5 or 20 minutes.

As discussed earlier, vacuum tumbling is associated with better brine distribution, improved water holding capacity and slight application of mechanical action to induce structural disruption. If the brine is more evenly distributed, lower cook losses would be expected. As discussed previously, the addition of non-meat ingredients

increases water holding capacity. A more even distribution of brine would allow for non-meat ingredients to be absorbed throughout the entire muscle. Therefore, the meat would have improved water holding capacity and lower cook loss. In addition to better brine distribution, vacuum-tumbling also has been shown to reduce cook loss in previous studies. Poultry meat that was massaged under vacuum had lower cook losses than controls and meat prepared under pressure (Maesso and others, 1970). However, the tumbling times examined by Maesso and others (1970) were much longer than the tumbling times used in this study. In this study, there was a significant injection by tumbling interaction for cook loss in *Supraspinatus* steaks (Table 11). Injected *Supraspinatus* steaks had less cook loss than non-injected steaks except for those steaks tumbled for 5 minutes. Steaks that were tumbled for 5 minutes had the same amount of cook loss regardless of injection treatment. The use of vacuum-tumbling in injected *Supraspinatus* steaks had no effect on cook loss. Five minutes of vacuum-tumbling decreased cook loss in non-injected steaks. This possibly indicates that vacuum-tumbling did not aid in brine distribution in *Supraspinatus* steaks.

Vacuum tumbling has been shown to enhance cure distribution in pork *Biceps femoirs* and pork *Semimembranous* (Solomon and others, 1980). Therefore, with increased tumbling times, better cure distribution would be expected. It can be hypothesized that with better cure distribution, a more even water holding capacity would result. With a higher water holding capacity, tenderness would be expected to improve. However, the times examined in previous studies were much longer than the times evaluated in this study. In this study, there was a significant injection by tumbling

time interaction for Warner-Bratzler shear force values (Table 11). Five and 20 minutes of tumbling decreased shear force values in non-injected *Supraspinatus* steaks. In injected steaks, five minutes of vacuum-tumbling increased shear force values. Steaks that were injected and either not tumbled or tumbled for 10 minutes had lower shear force values than non-injected steaks tumbled for the same times. However, steaks that were tumbled for 5 or 20 minutes were the same regardless of injection treatment. The fact that the lowest Warner-Bratzler shear force values were seen in steaks that were injected and not tumbled indicates that vacuum tumbling may not have aided in cure distribution or supplied enough mechanical action to disrupt the structural integrity of the meat proteins. Futhermore, tumbling times examined in previous studies measuring cure distribution were much longer than the times examined here. It is possible that the tumbling times evaluated in this study were not long enough to enhance cure distribution. This would prevent an increase in water holding capacity associated with non-meat ingredients. Thus, there would not be more water available to dilute the meat proteins and effectively improve tenderness.

Longer tumbling times decreased pH values in *Supraspintus* steaks. This could be due to an increase in microbial growth or lactic acid released from cells. Vacuum tumbling could have increased microbial distribution, or allowed for an even distribution of microbial loads along the surface of the muscle. Futhermore, the increased tumbling times supplied some mechanical action to affect the structural integrity of meat proteins. This cellular disruption from vacuum tumbling could have exposed more proteins for microbes to use as an energy source for growth or released more lactic acid from the

cell. Though aerobic plate counts were not examined in this study, an increase in microbial growth, especially *Lactobacillus* species, would decrease pH. Another possible explanation is the disruption in muscle fiber integrity allowed for more meat proteins to be exposed to the gases in the package. As discussed earlier, the use of carbon dioxide in modified atmosphere packaging has been shown to decrease the pH of meat products.

In summary, vacuum-tumbling had minimal effects on color and pH values and no effect on textural or flavor attributes of *Supraspinatus* steaks. Therefore, the use of vacuum-tumbling, at the times evaluated in this study, to improve quality of *Supraspinatus* steaks would not be recommended.

Blade Tenderization

As previously discussed, blade tenderization is a mechanical method to improve tenderness in meat products. Blade tenderized *Supraspinatus* steaks had lower Warner-Bratzler shear force values (Table 7). Specifically, as the number of passes through the blade tenderizer increased, Warner-Bratzler shear force values decreased. Blade tenderized *Supraspinatus* steaks had higher cook loss, lower pH values and blade tenderized steaks were lighter (higher L* CIE values) (Table 7). Blade tenderized *Supraspinatus* steaks also had higher amounts of discoloration as determined by the trained color panel. As the number of passes through the blade tenderizer increased, the amount of discoloration also increased.

Results from the trained descriptive attribute sensory panel reported that blade tenderization did not have an effect on any textural properties or mouthfeels of

Supraspinatus steaks. Steaks blade tenderized once had higher overall flavor intensity scores than non-tenderized steaks or steaks blade tenderized twice (Table 8). Blade tenderized *Suprapinatus* steaks had lower beefy/brothy flavor aromatics (Table 9). *Supraspinatus* steaks that were blade tenderized once had higher bitter basic tastes than steaks that were not blade tenderized or blade tenderized twice.

Blade tenderization physically lyses muscle cells to improve tenderness. This lysing of cells results in water loss especially during cooking when proteins denature and lose their ability to bind water. Also, blade tenderization creates channels within the muscle that would allow water to escape easily. Previous studies have found an increase in cook loss in blade tenderized meat. Hayward and others (1980) found *Longissimus dorsi* muscles that were blade tenderized had 2% higher cook losses than non-blade tenderized samples. Higher cook losses also were found in blade tenderized strip loin steaks (Davis and others, 1975) and inside rounds (Davis and others, 1977). However, in a study that looked at the effects of blade tenderization in twelve different beef muscles, including the *Supraspinatus*, they found that cook losses were significant only in blade tenderized brisket and blade eye cuts (Jeremiah and others, 1999). In this study, *Supraspinatus* steaks had higher cook losses than non-tenderized steaks. The lower cook losses reported in blade tenderized *Supraspinatus* steaks could also be explained by the lower pH values reported in blade tenderized *Supraspinatus* steaks. As previously discussed, as the pH of a meat system increases away from the isoelectric point, the resulting net negative charge on muscle proteins allows for the proteins to bind more water. However, if the pH does not increase, then the charge on the muscle

proteins would remain more neutral and muscle proteins would not be able to bind more water.

Published studies examining the effects of blade tenderization have not reported the effects of blade tenderization on pH. The lower pH values reported in blade tenderized *Supraspinatus* steaks in this study could be due to brine solution purging out of the muscle prior to absorption. Since the muscles were blade tenderized after injection, the lysing of cells created by blade tenderization could allow for brine solution to purge out. If the brine solution was unable to absorb, the salts of lactic acid and the sodium phosphates would be unable to increase the muscle pH. Also, since blade tenderization increases the number of cells exposed to air, the decrease in pH could be due to the carbon dioxide used in the modified atmosphere packaging. As discussed previously, carbon dioxide has been shown to decrease pH of meat when used in modified atmosphere packaging. Finally, the decrease in pH could be due to an increase in microbial growth in blade tenderized *Supraspinatus* steaks. As discussed earlier, studies have shown as the number of passes through a blade tenderizer increases microbial growth also increases (Boyd and others, 1978). With the lysing of cells from blade tenderization, there is an increase in free water and nutrients exposed to the air and microbes. Microorganisms thrive in conditions with high water activity and available nutrients. Therefore, blade tenderization creates an environment that is more conducive to microbial growth and thereby decreasing the pH of the muscle.

The lower pH seen in blade tenderized *Supraspinatus* steaks could explain the lighter color (higher CIE L* color space values) reported in blade tenderized steaks. As

discussed earlier, as the pH of meat decreases, it approaches the muscle's isoelectric point. At the isoelectric point meat proteins have a net neutral charge on them. This results in the meat proteins being unable to effectively bind water and to have more light reflectance. Higher light reflectance results in meat with a lighter appearance. Discoloration in beef is caused by several factors. These factors include microbial growth, storage, pH changes and the presence or absence of oxygen. The lysing of cells from blade tenderization exposes more muscle tissue to oxygen which could result in higher amounts of discoloration due to the oxidative state of myoglobin and an increase in aerobic microbial growth. No published study has reported the effects of blade tenderization on subjective or objective color measurements. However, top rounds passed through a blade tenderizer four times had increased aerobic and anaerobic microbial counts over controls and steaks blade tenderized once or twice (Boyd and others, 1978). In this study, there was a significant blade tenderization by storage day interaction for discoloration score (Table 12). Discoloration color score was the same on days 1, 10 and 14 regardless of blade tenderization treatment. Steaks passed through the blade tenderizer once and stored for 3 days had the highest discoloration score. This indicates that the color of the discoloration on those steaks were a dark red rather than a brown. Conversely, steaks passed through the blade tenderizer and stored for 7 days had the lowest discoloration color score. This indicates that the color of discoloration was a brown color. One explaination for the higher amounts of discoloration in blade tenderized *Supraspinatus* steaks could be pH changes caused by unequal brine distribution. In this study, the amount of discoloration scale was used to describe off-

Table 12. Least squares means for the *Supraspinatus* muscle for interaction of blade tenderization by storage time effects for discoloration score.

Effect	Dis-Color[b]
Blade Tenderization by Storage Time, days	
P-value	0.0380 [a]
0, 1	1.48[de]
0, 3	1.13[cd]
0, 7	1.42[cde]
0, 10	1.12[cd]
0, 14	1.13 [cd]
1, 1	1.51[de]
1, 3	1.92[e]
1, 7	0.92[c]
1, 10	1.28[cd]
1, 14	1.20[cd]
2, 1	1.91[e]
2, 3	1.29[cd]
2, 7	1.55[de]
2, 10	1.08[cd]
2, 14	1.33[cd]

[a] P-value from analysis of variance tables.
[b]Discoloration: 1=extremely dark red/brown; 8= extremely bright cherry red.
[cde]Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

colors such as brown and greens as well as two-toning caused by injection. If some of the brine leaked out due to blade tenderization, then more two-toning would result due to less brine being available to distribute evenly throughout the muscle.

As previously discussed, blade tenderization has been found to improve tenderness in numerous studies. Lower Warner-Bratzler shear force values in blade tenderized *Supraspinatus* steaks concurred with results in previous studies. One pass through a blade tenderizer has been found to significantly decrease Warner-Bratzler shear force values in top round roasts, top round steaks and top loin steaks (Glover and others, 1977). In *Gluteus medius* and *semimembranous* muscles, one pass through the blade tenderizer also decreased Warner-Bratzler shear force values in four out of four comparisons (Savell and others, 1977). Further research has shown that as the number of passes through the blade tenderizer increased, Warner-Bratzler shear force values significantly decreased (Boyd and others, 1978). The increase in tenderness reported in blade tenderized meat is believed to be due to the partial destruction of connective tissue and/or severance of muscle fibers. This results in reduced resistance to shear force, mastication and swallowing (Miller, 1975).

Overall flavor intensity was increased with the use of blade tenderization in *Supraspinatus* steaks (Table 8). Results from previous studies examining the effect of blade tenderization on flavor have been mixed. Several studies have reported that blade tenderization did not affect flavor scores in beef (Hayward and others, 1980; Davis and others, 1977; Tatum and others, 1978; and Hinnergardt and others, 1975). However, another study found that the flavor of inside round steaks was improved with the use of

blade tenderization. Jeremiah and others (1999) reported that the proportion of inside round steaks with undesirable flavor decreased from 16 to 0%. The increase in overall flavor intensity reported in the *Supraspinatus* steaks could be due to a concentration of brine in one area.

Cooked beefy/brothy is the flavor attribute associated with cooked beef. Blade tenderization decreased cooked beefy/brothy flavor attributes in *Supraspinatus* steaks. Published studies on the effects of blade tenderization on flavor have not looked at individual flavor attributes. Most studies have found that flavor has not been affected by blade tenderization (Hayward and others, 1980; Davis and others, 1977; Tatum and others, 1978; and Hinnergardt and others, 1975). However, these studies used a general sensory descriptive attribute ballot and did not examine specific flavors. The decrease in cooked beefy/brothy flavor attributes seen in this study could be due to the lysing of cells due to blade tenderization. This would result in the purging of water soluble components from the cell. A study by Hornstein and Wasserman (1987) found that the basic meat flavor precursors are water-soluble components such as sugars, amino acids and low molecular weight polypeptides. When heated in combination, these compounds resulted in the typical meat flavor. If these components were released from the cell, they could have been diluted by the brine solution or could have purged out of the muscle completely. This would have resulted in a decrease in detectable beefy/brothy flavor aromatics. Another explanation is that blade tenderization created more spaces for brine solution to enter the muscle. This would have resulted in more brine solution being

absorbed. Beefy/brothy flavor aromatics could have been diluted by the increase in water or other flavors might have masked the beefy/brothy flavors.

Bitter basic tastes were increased with the application of blade tenderization. As discussed previously, there is an increase in bitter basic tastes associated with the addition of potassium lactate to meat products. Previous studies that examined the effects of blade tenderization on flavor have not looked at specific flavor attributes. The increase in basic bitter tastes could be due to better brine distribution due to the spaces created by blade tenderization.

Though blade tenderization did improve Warner-Bratzler shear force values, it increased discoloration, cook loss and bitter basic tastes in *Supraspinatus* steaks. Futhermore, the trained descriptive attribute sensory panel did not report blade tenderized *Supraspinatus* steaks as more tender than non-blade tenderized. Therefore, blade tenderization would not be recommended as a method to improve overall quality characteristics of *Supraspinatus* steaks.

Storage Time

Storage time impacted some quality attributes of *Supraspinatus* steaks. With increased storage from 1 to 3 days, package purge and CIE L* and b* color space values in *Supraspinatus* steaks decreased; thus indicating *Supraspinatus* steaks were darker and less yellow during the first three days of storage. Package purge values remained unchanged during the remaining storage period. Cook loss increased during the early storage periods, peaking on day 7. During the latter part of the evaluated storage period, cook loss decreased. Values for pH followed a similar pattern with pH values being

highest on day 7 of storage. The lowest steak pH values were reported on day 14 (Table 7).

As discussed earlier, the high package purge values reported on day 1 could be due to the fact the brine solution had not been completely absorbed into the meat proteins. Also, the increase in package purge observed throughout storage could be due to the simultaneous decrease in pH towards the isoelectric point. A decline in muscle pH would be expected during storage due to microbial growth and the increased concentration of carbon dioxide in the package.

Darker color during storage from 0 to 7 days could be due to the non-meat ingredients being absorbed into the muscle. This concurs with results reported in the *Biceps femoris* steaks. As discussed previously, the lighter color is due to lower water binding from lower pH values. This results in higher light reflectance on the meat surface. The CIE a* (redness) color space values were unchanged in *Supraspinatus* steaks except on day 3. *Supraspinatus* steaks were less red on day 3 than on the other storage days. This change in redness could be due to the brine being stabilized or more evenly bound by day 3 prior to the muscle having long enough storage for metmyoglobin formation. As described previously, lower CIE a* values have been reported in beef that has been treated with potassium lactate. The color of injected *Supraspinatus* steaks was lighter on days 7 and 10. This could be due to lower water holding capacity in combination with lower pH values. With time, degradation of proteins from proteolysis would be expected. As the proteins breakdown, they lose their structural integrity and their ability to bind water. In addition to lower water holding

capacity from proteolysis, the proteins lose their ability to bind water as pH decreases. This would result in more free water at the surface of the steak. As discussed previously, there is a higher amount of light reflectance on the surface of steaks with higher amounts of free water at the surface. Higher amounts of light reflectance results in steaks with a lighter appearance. Studies have shown that as storage day increased, pH decreased in meat treated with potassium lactate. Anwar and others (2002) found increased pH values in beef top loin steaks injected with potassium lactate as storage increased from 0 to 35 days.

Overall Summary

In summary, the injection of non-meat ingredients into *Supraspinatus* muscles resulted in steaks with lower package purge, cook loss and they were more tender and had lower detectable connective tissue. This improvement in chemical, sensory and textural characteristics could potentially increase the marketability of *Supraspinatus* steaks. However, blade tenderization and vacuum-tumbling had minimal and inconsistent effects on quality attributes in *Supraspinatus* steaks. Therefore, the addition of non-meat ingredients such as potassium lactate, sodium diacetate, sodium tripolyphosphate and salt would be recommended to be used in *Supraspinatus* steaks that are packaged in modified atmosphere packaging. The use of blade tenderization and vacuum-tumbling would not be recommended.

Triceps brachii long head

Injection

The addition of non-meat ingredients improved only a few of the quality characteristics of the *Triceps brachii long* head. It did not have as significant of an impact on quality attributes as seen in *Biceps femoris* or *Supraspinatus* steaks. However, the addition of non-meat ingredients did improve more quality characteristics of the *Triceps brachii long head* than either applying the blade tenderization or vacuum tumbling treatments. Injected *Triceps brachii long head* steaks were more tender, had lower cook losses and they were less red (lower CIE a* color space values) and had less yellow (lower CIE b* color space values) than non-injected steaks. Injection did not affect package purge, cook time, pH, Minolta CIE L* color space values or trained color panel results in *Triceps brachii long head* steaks (Table 13).

Results from the trained descriptive attribute sensory panel reported that injected *Triceps brachii long head* steaks were more tender, had lower amounts of detectable connective tissue, higher overall flavor intensity, and lower metallic mouthfeels (Table 14). The trained descriptive attribute panel also reported that injected *Triceps brachii long head* steaks had lower serumy bloody flavor aromatics and higher salt, chemical and sour flavor aromatics (Table 15).

As discussed earlier, the addition of non-meat ingredients is a method used to improve water binding in meat products. With improved water binding, less water is lost during cooking when proteins shrink. This is believed to be due to the better water-holding capacity associated with the use of alkaline phosphates and the salts of lactic

Table 13. Least squares means for the *Triceps brachii long head* muscle for main effects for purge, Warner-Bratzler shear force, cook loss, pH, Minolta L*, a*, b* and from color panel

						Minolta CIE Color Space			Panel Color[b]		
Effect	Package purge, %	Warner Bratzler Shear force, kg	Cook loss, %	Cook Time, min	pH	L*	a*	b*	Raw Color	Amount of Dis-Coloration	Dis-Color
Injection	0.10[a]	0.0001[a]	0.0027[a]	0.67[a]	0.10[a]	0.06[a]	0.0001[a]	0.0001[a]	0.21[a]	0.86[a]	0.86[a]
Non-injection	1.44	4.02[d]	28.13[d]	16.62	5.69	47.58	20.81[d]	7.39[d]	4.74	2.71	0.99
Injection	0.99	3.60[c]	25.98[c]	16.46	5.73	46.03	18.99[c]	6.57[c]	4.62	2.69	1.01
Tumbling, minutes	0.51[a]	0.06[a]	0.0001[a]	0.57[a]	0.60[a]	0.09[a]	0.11[a]	0.41[a]	0.0108[a]	0.0001[a]	0.87[a]
0	1.06	3.67	25.80[cd]	16.80	5.73	47.24	20.31	6.87	4.91[d]	2.35[c]	0.97
5	0.99	3.76	25.17[c]	16.16	5.71	48.21	20.06	7.04	4.75[cd]	2.73[d]	1.08
10	1.44	3.93	27.49[d]	16.63	5.70	47.36	19.76	7.09	4.51[c]	3.09[e]	0.97
20	1.36	3.88	29.76[e]	16.57	5.70	48.20	19.47	6.92	4.54[c]	2.62[cd]	0.99
Blade Tenderized	0.54[a]	0.21[a]	0.06[a]	0.15[a]	0.68[a]	0.35[a]	0.79[a]	0.23[a]	0.74[a]	0.70[a]	0.48[a]
0	1.06	3.90	26.39	16.65	5.72	48.12	20.02	7.07	4.62	2.66	1.09
1	1.37	3.75	26.89	16.16	5.70	47.55	19.81	6.86	4.71	2.67	0.95
2	1.22	3.78	27.87	16.63	5.71	47.59	19.88	7.02	4.70	2.77	0.97
Storage time, days	0.06[a]	0.07[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0067[a]	0.0001[a]	0.59[a]
0	1.68[d]	3.65	24.45[c]	14.14[c]	6.14[e]	46.38[b]	20.15[d]	6.85[d]	4.57[cd]	1.86[c]	0.95
3	0.76[c]	3.74	27.92[de]	18.14[d]	5.60[cd]	47.44[c]	21.14[e]	5.82[c]	4.42[c]	2.19[cd]	1.02
7	1.29[cd]	3.95	29.23[e]	18.17[d]	5.57[c]	47.98[c]	19.78[d]	7.06[d]	4.75[de]	2.47[de]	0.88
10	1.50[cd]	3.83	27.13[d]	15.11[c]	5.66[d]	46.88[bc]	19.98[d]	7.59[e]	4.96[e]	2.72[e]	1.13
14	0.85[c]	3.88	26.54[d]	17.13[d]	5.57[c]	50.08[d]	18.46[c]	7.59[e]	4.67[cde]	4.23[f]	1.04
Root Mean Square Error	1.99	0.652	4.85	3.13	0.169	3.08	2.42	0.995	0.902	1.09	0.959

[a] P-value from analysis of variance tables.

[b] Raw Color and Discoloration: 1=extremely dark red, 8= extremely bright cherry red; Amount of discoloration: 1=no discoloration, 7= total discoloration

[cdef] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 14. Least squares means for the *Triceps brachii long head* muscle for main effects for trained sensory descriptive flavor aromatics attributes.

Effect	Juiciness[b]	Muscle Fiber Tenderness[b]	Connective Tissue Amount[b]	Overall Tenderness[b]	Overall Flavor Intensity[b]	Mouthfeels[b]		
						Soapy	Metallic	Chemical Burn
Injection	0.21[a]	0.0137[a]	0.0059[a]	0.0114[a]	0.0272[a]	0.07[a]	0.002[a]	0.88[a]
Non-injection	4.72	5.61[c]	5.81[c]	5.50[c]	3.46[c]	0.01	0.67[d]	0.24
Injection	4.94	5.91[d]	6.21[d]	5.85[d]	3.66[d]	0.05	0.36[c]	0.25
Tumbling, minutes	0.10[a]	0.44[a]	0.79[a]	0.80[a]	0.75[a]	0.32[a]	0.31[a]	0.83[a]
0	5.21	5.66	6.05	5.62	3.59	0.01	0.62	0.29
5	4.66	5.67	5.90	5.61	3.50	0.06	0.58	0.26
10	4.82	5.84	5.99	5.71	3.62	0.01	0.38	0.22
20	4.65	5.88	6.10	5.77	3.53	0.04	0.49	0.20
Blade Tenderized	0.32[a]	0.75[a]	0.53[a]	0.77[a]	0.73[a]	0.19[a]	0.35[a]	0.22[a]
0	4.74	5.70	5.90	5.62	3.51	0.01	0.52	0.30
1	5.03	5.78	6.02	5.67	3.57	0.05	0.60	0.15
2	4.73	5.80	6.10	5.74	3.59	0.03	0.43	0.28
Root Mean Square Error	0.736	0.486	0.584	0.552	0.364	0.082	0.394	0.316

[a] P-value from analysis of variance tables.

[b]Juiciness: 1= extremely dry, 8= extremely juicy; Muscle fiber and overall tenderness: 1= extremely tough, 8=extremely tender; Connective Tissue Amount: 1= abundant, 8= none; Mouthfeels: 1= extremely bland, 8= extremely intense.

[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 15. Least squares means for the *Triceps brachii long head* muscle for main effects for trained sensory flavor descriptive flavor aromatics attributes.

Effect	Cooked Beefy/Brothy	Cooked Beef Fat	Serumy/ Bloody	Liver	Grassy/ Musty	Soda Flavor	Salt Flavor	Bitter Flavor	Chemical	Sour
Injection	0.88[a]	0.75[a]	0.0185[a]	0.71[a]	0.74[a]	0.38[a]	0.0001[a]	0.89[a]	0.0002[a]	0.0002[a]
Non-injection	2.80	1.15	0.34[d]	0.14	0.67	0.02	0.23[c]	0.22	0.01[c]	0.11[c]
Injection	2.80	1.16	0.19[c]	0.12	0.63	0.01	0.91[d]	0.21	0.11[d]	0.31[d]
Tumbling, minutes	0.82[a]	0.0515[a]	0.86[a]	0.0215[a]	0.33[a]	0.18[a]	0.53[a]	0.43[a]	0.59[a]	0.35[a]
0	2.84	1.17[cd]	0.31	0.04[c]	0.55	0.00	0.47	0.20	0.03	0.22
5	2.81	1.10[c]	0.26	0.06[cd]	0.58	0.01	0.66	0.14	0.08	0.25
10	2.79	1.24[d]	0.24	0.22[d]	0.68	0.03	0.62	0.29	0.06	0.35
20	2.76	1.12[c]	0.25	0.19[d]	0.79	0.00	0.53	0.23	0.06	1.45
Blade Tenderized	0.26[a]	0.87[a]	0.20[a]	0.72[a]	0.14[a]	0.31[a]	0.10[a]	0.37[a]	0.29[a]	0.61[a]
0	2.73	1.15	0.19	0.12	0.78	0.01	0.44	0.27	0.03	0.23
1	2.84	1.15	0.33	0.15	0.53	0.00	0.56	0.16	0.06	0.22
2	2.83	1.17	0.28	0.11	0.65	0.02	0.72	0.22	0.08	0.18
Root Mean Square Error	0.238	0.165	0.258	0.194	0.416	0.044	0.422	0.259	0.102	0.201

[a] P-value from analysis of variance tables.
[b]Flavor aromatics: 1= extremely bland, 8= extremely intense.
[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

acid. Both ingredients cause an increase in meat pH. Meat with a higher pH has better water holding capacity due the fact the proteins are able to bind more water. Pyrophosphates also have been found to cleave the acto-myosin bond which allows for more bound water to enter spaces within meat proteins. There was a significant injection by tumbling time interaction for cook loss (Table 16). In non-injected steaks, 20 minutes of vacuum-tumbling increased cook loss. In injected steaks, 10 minutes of tumbling increased cook loss. Injected steaks that were tumbled for either 5 or 20 minutes had lower cook losses than non-injected steaks tumbled for the same amount of time. This indicated that injection had a larger impact on cook loss than vacuum tumbling used alone or in combination with injection.

Lower package purge values are often associated with lower cook losses. As discussed earlier, the injection of non-meat ingredients has been found to improve package purge values. Injected *Triceps brachii long head* steaks did have lower package purge values, but the difference was not significant. This might be due to fact that there was not a difference in pH between injected and non-injected steaks. Injected *Triceps brachii long head* steaks had higher pH values, but the difference was not significant. The fact that injection did not affect pH, similar package purge values in injected and non-injected *Triceps brachii long head* steaks could be due the amount of brine solution taken up by the muscle during injection. The *Triceps brachii long head* muscle is high in connective tissue and it is possible that the injection solution was not able to evenly distribute throughout the muscle. Thus, non-meat ingredients would not be able to have the impact seen in previous studies. Another possible explanation was that the *Triceps*

Table 16. Least squares means for the *Triceps brachii long head* muscle for interaction of injection by tumbling effects for cook loss.

Effect	Cook Loss, %
Injection by Tumble (min)	
P-value	0.0099 [a]
Non-injection, 0	26.24[cd]
Non-injection, 5	26.88[cd]
Non-injection, 10	27.08[cd]
Non-injection, 20	32.32 [e]
Injection, 0	25.35[bc]
Injection, 5	23.46[b]
Injection, 10	27.90[d]
Injection, 20	27.20[cd]

[a] P-value from analysis of variance tables.
[cdefg] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

brachii long head was on average smaller than other muscles evaluated. This made it harder to properly inject the brine to up to 10% of the green weight of the muscle. If not enough brine solution was absorbed by the muscle, then the effects of injection would not be as significant.

As discussed previously, discoloration is caused by many factors including microbial growth and pH changes. Also, the use of non-meat ingredients has been reported to increase two-toning in beef steaks. Anwar and others (2004) reported that there was an increase in two-toning in top loin steaks injected with potassium lactate as compared to controls. There was a significant injection by blade tenderization interaction for the trained panel sensory scores for the amount of discoloration (Table 17). In non-injected *Triceps brachii long head* steaks, blade tenderization gradually increased the amount of discoloration. In injected *Triceps brachii long head* steaks, blade tenderization had no effect on the amount of discoloration. An explanation for the lower amounts of discoloration in injected and blade tenderized steaks versus non-injected blade tenderized steaks could be the amount of microbial growth. As discussed earlier, the application of blade tenderization has been found to increase microbial growth in meat products. However, the addition of non-meat ingredients, such as potassium lactate and sodium diacetate, has been found to decrease microbial growth. Anwar and others (2004) found the combination of potassium lactate and sodium diacetate to top loin steaks resulted in the significantly lower APC's than non-treated steaks or steaks treated with potassium lactate alone. If blade tenderization improved

Table 17. Least squares means for the *Triceps brachii long head* muscle for main effects for cook time and trained descriptive attribute sensory panel color and aromatic scores.

Effect	Cook Time, min	Amount of Discoloration[b]	Serumy Bloody[b]
Injection x Blade Tenderization			
P-value	0.0353[a]	0.0430[a]	0.0249[a]
Non-injection, 0	17.30[d]	2.46[c]	0.26[c]
Non-injection, 1	16.18[cd]	2.76[cd]	0.51[d]
Non-injection, 2	16.37[cd]	2.90[d]	0.25[c]
Injection, 0	16.00[c]	2.86[d]	0.11[c]
Injection, 1	15.97[c]	2.57[cd]	0.14[c]
Injection, 2	17.40[d]	2.64[cd]	0.31[cd]

[a] P-value from analysis of variance tables.
[b] Amount of Discoloration: 1=no discoloration, 7= total discoloration; Serumy Bloody: 1= extremely bland, 8= extremely intense
[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

brine distribution than lower microbial growth would be expected. Therefore, there would be lower amounts of discoloration due to limited microbial growth.

As discussed earlier, the addition of non-meat ingredients have been found to improve tenderness due to better hydration of meat proteins. Also, pyrophosphates help cleave the acto-myosin bond. In this study, injected *Triceps brachii long head* steaks had lower Warner-Bratzler shear force values and the trained descriptive attribute panel found injected *Triceps brachii* steaks were more tender. Injected *Triceps brachii* steaks had higher muscle fiber tenderness and overall tenderness scores. As discussed previously, the addition of non-meat ingredients has been found to increase tenderness due to better hydration of meat proteins.

Lower amounts of detectable connective tissue have been found in previous studies examining the use of non-meat ingredients. Injected *Triceps brachii long head* steaks had lower amounts of detectable connective tissue as determined by the trained descriptive attribute panel. As discussed earlier, the lower amounts of connective tissue could be due to the mechanical action of the needles disrupting the connective tissue. Also, the increased hydration due to better water holding capacity might have made it more difficult for panelists to detect connective tissue upon mastication.

Higher overall flavor intensity scores have not been found in steaks treated with potassium lactate, but have been associated with the use of salt. Also, the use of potassium lactate has been associated with higher chemical flavor aromatics. The addition of salt has been found to increase salt basic tastes in beef. Sodium diacetate has been shown to increase sour basic tastes in injected beef (Grones, 2000). This

would explain the increase in these flavor aromatics in the injected *Triceps brachii long head* steaks.

Due to the increase in some flavor aromatics, this can lead to a decrease, or masking of other flavor aromatics, such as serumy bloody. There is also a dilution effect associated with injection that would decrease flavor aromatics. In this study, there was a significant injection by blade tenderization interaction for serumy/bloody aromatic flavor scores (Table 17). Injection decreased serumy/bloody flavor aromatics in samples that were blade tenderized once. In steaks that were not blade tenderized, serumy/bloody flavor aromatics were lower in injected samples though the difference was not significant. In steaks that were blade tenderized twice, injection slightly increased serumy/bloody flavor aromatics. The lower serumy/bloody flavor aromatic scores reported in steaks that were injected and that were blade tenderized once could be due to better brine distribution. The spaces created by blade tenderization would allow for better brine distribution and thus the masking of certain flavor aromatics. However, two passes through the blade tenderization might have lead to an increase in the amount of brine solution that purged out of the muscle especially since muscles were blade tenderized after injection.

Metallic mouthfeel is a feeling associated with metal being present in the mouth. There are a limited number of studies that have examined the effects of potassium lactate and sodium diacetate on metallic mouthfeels. In top loin steaks that were injected with potassium lactate, there was no difference in metallic mouthfeels compared to controls (Anwar and others, 2004). However, there was no salt added to the brine in that study.

In a study examining the effects of sodium tripolyphosphate on flavor, trained panelists reported a higher level of metallic mouthfeels in treated beef roasts (Smith and others, 1984). In this study, the addition of non-meat ingredients in *Triceps brachii long head* steaks decreased metallic mouthfeels. The lower metallic mouthfeel score reported in injected *Triceps brachii long head* steaks could be due to other flavors, such as salt, masking the metallic mouthfeel, or the dilution effect of injection.

In summary, injection did not have as significant of an impact on the quality characteristics of the *Triceps brachii long head* as seen in the *Biceps femoris* and *Supraspinatus.* However, injection did improve cook losses, tenderness and detectable connective tissue.

Vacuum Tumbling

Vacuum tumbling had limited effects in *Triceps brachii long head* steaks. Five minutes of vacuum-tumbling decreased cook loss in *Triceps brachii long head* steaks. However, as the tumbling time increased, the percent of cook loss also increased. Vacuum-tumbling increased trained color panel raw color scores with the highest raw color scores reported in steaks that were tumbled 10 or 20 minutes. This indicated that vacuum-tumbled *Triceps brachii long head* steaks had a brighter cherry red color. However, as tumbling time increased from 0 to 10 minutes, the amount of discoloration also increased (Table 13).

Results from the trained descriptive attribute sensory panel showed that vacuum-tumbling did not affect textures or feeling factors in *Triceps brachii long head* steaks

(Table 14). Vacuum-tumbling also did not affect flavor aromatics in *Triceps brachii long head* steaks, except for cooked beef fat and liver flavor aromatics (Table 15).

As discussed earlier, vacuum tumbling is a method used to enhance brine distribution. If a brine solution was better distributed, then the non-meat ingredients would have a greater impact on the quality characteristics of the muscle. As discussed earlier, both potassium lactate and sodium tripolyphosphate have been shown to improve water holding capacity and therefore decrease cook losses. With better distribution of potassium lactate and sodium tripolyphosphate, a decrease in cook loss would be expected. Previous studies have found a decrease in cook loss with vacuum tumbling. Reijt and others (1978) found that vacuum massaging decreased cook losses in pork meat. Lower cook losses are attributed to the binding that results when salt soluble proteins are extracted during vacuum tumbling. These proteins will act as a sealer when the meat is cooked, thus allowing for the retention of moisture (Rust and Olsen, 1973). In this study, *Tricpes brachii long head* muscles that were tumbled for five minutes did have slightly lower cook losses than samples that were not tumbled. However, as tumbling time increased, cook losses also increased. The force from the mechanical action of tumbling could have prevented the brine from being absorbed. Also, muscles were blade tenderized after being tumbled. The spaces created during blade tenderization could have prevented proper binding of muscle proteins. Finally, the tumbling times examined in this study were much shorter than tumbling times examined in previous research. It is possible that the tumbling times examined in this study were not long enough to get adequate protein extraction of salt soluble proteins.

Previous studies have reported that vacuum-tumbling has had neither a positive or negative effect on color. Trained panel and Hunter color evaluations did not find differences between non-vacuum-tumbled, vacuum-tumbled or nitrogen back-flush tumbled beef *Semimembranous* muscle (Ghavimi and others, 1986). However, the tumbling times examined in that study were much longer than the tumbling time evaluated in this study. In this study, there was a significant blade tenderization by tumbling time interaction for the CIE a* color space values and the amount of discoloration determined by the trained color panel (Table 18). Ten and 20 minutes of vacuum-tumbling decreased CIE a* color space values, indicated steaks were less red, in steaks that were passed through the blade tenderizer once. Tumbling had no effect on CIE a* color space values in steaks passed through the blade tenderizer twice. Five and twenty minutes of vacuum-tumbling increased the amount of discoloration in steaks that were not blade tenderized. Ten minutes increased the amount of discoloration in steaks that were passed through the blade tenderizer either once or twice. The highest amounts of discoloration were reported in *Triceps brachii long head* steaks that were blade tenderized twice and vacuum-tumbled for 10 minutes. The lowest amounts of discoloration were reported in steaks that were not blade tenderized or vacuum-tumbled. As discussed earlier, discoloration is attributed to many factors including pH changes and microbial growth. Vacuum tumbling could have increased microbial growth by evenly distributing microbial levels across the surface of the muscle. Also, the increased handling from processing could have exposed the muscle to more microorganisms. This

Table 18. Least squares means for the *Triceps brachii long head* muscle for interaction of blade tenderization by tumbling for cook time and trained descriptive attribute sensory color scores.

Effect	Cook Time, min	Amount of Discoloration[b]	a*
Blade Tenderization x Tumbling			
P-value	0.0465 [a]	0.0186[a]	0.0108[a]
0, 0 min	16.27 [cd]	2.17[c]	20.15[def]
0, 5 min	15.90[cd]	3.09[ef]	19.30[cde]
0, 10 min	17.04[cde]	2.65[cde]	20.84[f]
0, 20 min	17.38[de]	2.72[de]	19.79[cdef]
1, 0 min	16.15[cd]	2.40[cd]	20.53[ef]
1, 5 min	15.63[c]	2.40[cd]	20.63[f]
1, 10 min	15.76[cd]	3.18[ef]	19.29[cd]
1, 20 min	16.76[cde]	2.69[cde]	18.78[c]
2, 0 min	17.98[e]	2.48[cd]	20.26[def]
2, 5 min	16.93[cde]	2.70[cde]	20.26[def]
2, 10 min	17.07[cde]	3.43[f]	19.16[cd]
2, 20 min	15.55[c]	2.45[cd]	19.84[cdef]

[a] P-value from analysis of variance tables.

[b]Amount of Discoloration: 1=no discoloration; 7=total discoloration .

[cdef] Mean values within a column and followed by the same letter are not significantly different (P > 0.05)

combined with the increased surface area from blade tenderization could have increased microbial growth and therefore discoloration.

In steaks that were not blade tenderized, as tumbling time increased from 10 to 20 minutes, cook time also increased. In steaks that were blade tenderized once, only 20 minutes of tumbling increased cook time. In steaks that were blade tenderized twice, vacuum-tumbling decreased cook time. As discussed earlier, the application of blade tenderization creates spaces within the muscle. These spaces can allow for air to reach the center of the steak faster. Therefore, heat would be able to penetrate the muscle more effectively and cook the meat at a faster rate than without blade tenderization.

Ten minutes of vacuum-tumbling increased cook beef fat flavor scores in *Triceps brachii long head* steaks. As discussed earlier, a study has found that vacuum-tumbling increased the amount of fat in *Supraspinatus* roasts. Even though the tumbling times were much longer in that study, this could explain why 10 minutes of tumbling increased cooked beef fat flavor scores in *Triceps brachii long head* steaks. Also, the mechanical action of tumbling could have mobilized the fat during tumbling. Thus, allowing fat to bind to meat. This could have also resulted in higher beef fat flavor aromatic scores.

In conclusion, five minutes of vacuum-tumbling decreased cook loss and resulted in *Triceps brachii long head* steaks that were a brighter cherry red, but did not affect any other quality characteristics evaluated. Longer tumbling times increased cook loss and the amount of discoloration. Therefore, vacuum-tumbling would not be recommended to improve the quality attributes of the *Triceps brachii long head.*

Blade Tenderization

Blade tenderization is a mechanical method to disrupt muscle fibers and connective tissue. In this study, it was used to disrupt the connective tissue of cuts like the *Triceps brachii long head,* to allow for better brine distribution through the spaces created. Blade tenderization did not affect purge, Warner-Bratzler shear force values, cook loss, cook time, pH, CIE color space values or trained color panel scores (Table 13). Blade tenderization also did not affect textures, feeling factors or flavor aromatics of *Triceps brachii long head* steaks (Tables 14 and 15).

There was a significant injection by blade tenderization interaction for cook time in *Triceps brachii long head* steaks (Table 17). In non-injected steaks, blade tenderization slightly decreased cook times compared to steaks that were not blade tenderized. In injected steaks, two passes through the blade tenderizer increased cook time. As discussed earlier, blade tenderization creates spaces in the muscle thus, allowing heat to penetrate the muscle faster, therefore, lowering cook time.

As discussed earlier, blade tenderization has been found in several studies to improve tenderness. The fact that blade tenderization did not affect tenderness in *Triceps brachii long head* steaks could be due to the use of hand blade tenderizers rather than a commercial blade tenderizer. It is more difficult to evenly apply the blades with the use of a hand blade tenderizer. Also, if the blades did not fully pierce the muscle, then blade tenderization would not have an impact on the tenderness of meat. Finally, blade tenderization may not be effective in the *Triceps brachii long head* due to high levels of connective tissue.

In summary, blade tenderization did not affect any of the quality attributes of the *Triceps brachii long head* measured in this study. Therefore, blade tenderization would not be recommended as a method to improve the quality of the *Triceps brachii long head.*

Storage Day

Package purge decreased from day 1 to day 3 in *Triceps brachii long head* steaks. There was a subsequent increase in package purge, though it was a slight increase. The lowest package purge values were reported on days 3 and 14. Cook loss increased from days 1 to day 7 in *Triceps brachii long head* steaks. The lowest cook loss values were reported on days 1 and 10. pH values decreased from days 1 to 7 in *Triceps brachii long head* steaks. The lowest pH values were recorded on days 7 and 14. The CIE L* color space values increased in *Triceps brachii long head* steaks from days 1 to 7. There was a slight decrease in CIE L* color space values on day 10. The highest CIE L* color space values were recorded on day 14. The CIE a* color space values were the same on days 1, 7 and 10 days of storage. The lowest CIE a* color space values were reported on day 14. The CIE b* color space values decreased from day 1 to day 3 of storage in *Triceps brachii long head* steaks. There was a subsequent increase in CIE b* values on days 7 and 10. The highest CIE b* color space values were reported on days 10 and 14. Trained panel raw color scores gradually decreased from days 1 to 3 of storage. There was a subsequent gradual increase in trained panel raw color scores from days 3 to 7. The highest raw color scores were reported on day 7. The amount of discoloration of *Triceps brachii long head* steaks gradually increased

throughout storage, with the highest levels of discoloration reported on day 14 (Table 13).

As discussed earlier, pH decline throughout storage is associated with increased microbial growth and the increase of lactic acid due to anaerobic metabolism. The use of carbon dioxide in modified atmosphere packaging has also been shown to decrease pH values of meat. This decrease would result in pH values closer to the isoelectric point and lower water holding capacity. With lower water holding capacity, there is an increase in free water available. This would result in higher package purge values, cook losses and light reflectance (causing lighter meat and higher CIE L* color space values) during storage.

Discoloration throughout storage is caused by several factors including pH values, as previously discussed, microbial growth and the use of carbon dioxide in modified atmosphere packaging. Lower pH values increase the activity of oxidative enzymes that convert myoglobin to metmyoglobin. Metmyoglobin results in a brown color in meat.

Overall Summary

In summary, the addition of non-meat ingredients improved the texture of *Triceps brachii long head* steaks. Warner-Bratzler shear force values, trained panel tenderness and detectable connective tissue scores were improved with injection. Non-meat ingredients also improved flavor attributes of *Triceps brachii long head* steaks. However, injection had minimal effects of on package purge, pH and trained panel color

scores of *Triceps brachii long head* steaks. Therefore, injection would be recommended to improve the textural quality of *Triceps brachii long head* steaks.

The use of blade tenderization and vacuum tumbling had minimal effects on textural and sensory characteristics of *Triceps brachii long head* steaks. Vacuum tumbling was able in decrease cook loss and improve trained panel raw color scores. However, vacuum-tumbling also increased the amount of discoloration. Blade tenderization did not affect any of the characteristics evaluated in *Triceps brachii long head* steaks. For this reason, vacuum-tumbling and blade tenderization would not be recommended for use in *Triceps brachii long head* steaks.

Longissimus dorsi

Injection

Previous studies examining the use of non-meat ingredients on raw beef have mostly evaluated their effects on the *Longissimus dorsi* muscle. Therefore, the *Longissimus dorsi* was used as a baseline for this study. Injected *Longissimus dorsi* steaks were more tender, had higher pH values, and were darker as shown by both CIE L* color space values and trained color panel raw color scores. Injected steaks were also less red (lower CIE a* color space values) and had lower yellow color scores (lower CIE b* color space values). Trained color panel evaluations also reported that injected *Longissimus dorsi* steaks had a brighter cherry red discoloration color (Table 19).

Injected *Longissimus dorsi* steaks had less detectable connective tissue, higher flavor intensity and chemical burn mouthfeel scores. Injected steaks had lower metallic

Table 19. Least squares means for the *Longissimus dorsi* muscle for main effects for purge, Warner-Bratzler shear force, cook loss, pH, CIE L*, a*, b* and from color panel.

						Minolta Color Space Values			Panel Color[b]		
Effect	Package purge, %	Warner Bratzler Shear force, kg	Cook loss, %	Cook Time, min	pH	L*	a*	b*	Raw Color	Amt of Discolor	Dis-Color
Injection	0.34[a]	0.0001[a]	0.33[a]	0.73[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.22 [a]	0.0003[a]
Non-injection	0.69	3.88[d]	23.43	24.58	5.60[c]	48.15[d]	20.15[d]	7.27[d]	5.24[d]	1.86	1.20[c]
Injection	0.53	3.21[c]	22.89	24.83	5.79[d]	45.21[c]	15.24[c]	4.99[c]	4.98[c]	1.97	1.81[d]
Tumbling, minutes	0.0060[a]	0.0501[a]	0.40[a]	0.14[a]	0.80[a]	0.22[a]	0.0054[a]	0.0086[a]	0.0102[a]	0.0126[a]	0.32[a]
0	1.03[d]	3.58[d]	22.50	24.88	5.70	46.42	17.12[c]	5.82[c]	4.96[c]	2.11[d]	1.54
5	0.46[c]	3.34[c]	23.21	23.88	5.71	47.03	18.06[d]	6.34[d]	5.29[e]	1.69[c]	1.31
10	0.39[c]	3.57[cd]	23.23	25.90	5.69	46.51	17.99[d]	6.19[d]	5.15[d]	1.98[d]	1.72
20	0.56[c]	3.69[d]	23.69	24.15	5.69	46.74	17.61[cd]	6.16[d]	5.04[cd]	1.88[cd]	1.45
Blade Tenderized	0.0336[a]	0.0176[a]	0.94[a]	0.81[a]	0.59[a]	0.05[a]	0.0339[a]	0.0043[a]	0.62[a]	0.77[a]	0.45[a]
0	0.51[c]	3.72[c]	23.13	24.93	5.70	46.33	17.75[cd]	6.05[c]	5.15	1.94	1.56
1	0.46[c]	3.50[b]	23.08	24.50	5.69	46.99	17.99[d]	6.38[d]	5.11	1.87	1.60
2	0.85[d]	3.42[b]	23.27	24.69	5.70	46.71	17.34[c]	5.95[c]	5.08	1.94	1.36
Storage time, days	0.05[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.0001[a]	0.12[a]	0.0001[a]	0.80[a]
0	0.94[d]	3.22[c]	17.53[c]	20.31[c]	6.02[e]	46.09[c]	17.78[d]	6.13[d]	5.19	1.61[c]	1.50
3	0.58[c]	3.72[d]	25.75[e]	27.27[e]	5.66[d]	48.36[d]	18.57[e]	5.03[c]	5.22	1.79[c]	1.61
7	0.51[c]	3.72[d]	25.43[e]	25.93[de]	5.56[c]	46.20[c]	17.61[d]	6.36[d]	5.04	1.85[c]	1.44
10	0.38[c]	3.89[d]	25.28[e]	25.52[de]	5.70[d]	46.32[c]	17.85[d]	6.76[e]	5.07	1.86[c]	1.62
14	0.64 [c]	3.19[c]	21.80[d]	24.50[d]	5.54[c]	46.42[c]	16.66[c]	6.35[d]	5.04	2.47[d]	1.35
Root Mean Square Error	1.10	0.795	4.32	5.08	0.133	2.04	1.88	0.989	0.506	0.838	1.51

[a] P-value from analysis of variance tables.

[b]Raw Color and Discolor: 1=extremely dark red, 8=extremely bright cherry red; Amount of Discoloration: 1=no discoloration, 7=total discoloration.

[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

mouthfeels, cooked beefy/brothy, cooked beef fat and serumy/bloody flavor aromatics. Salt, sour and bitter basic tastes, soda and chemical flavor aromatics were higher in injected *Longissimus dorsi* steaks (Tables 20 and 21).

As discussed earlier, sodium phosphates and the salts of lactic acid have an alkaline pH. Several studies have found the addition of either sodium phosphates or the salts of lactic acid increased the pH of meat. In this study, injected steaks had a higher pH than non-injected steaks.

Higher pH values are associated with darker meat. As discussed earlier, this is due to better water holding capacity. With better water holding capacity, there is less water on the meat surface to reflect light. Lower light reflectance results in meat that appears darker. Therefore, meat treated with non-meat ingredients is expected to be darker. Previous studies have also reported that meat injected with potassium lactate has lower CIE a* and b* color space values. In this study, there was a significant injection by storage day interaction for raw color panel scores (Table 22). Non-injected steaks did not change color throughout the storage period. Injected *Longissimus dorsi* steaks were darker on days 7 through 14. As discussed earlier, previous research has found injected steaks darker than non-injected steaks. However, throughout storage injected steaks have been shown to get lighter in color. In addition to affecting meat color, an increase in water holding capacity from higher pH values has also been found in meat injected with non-meat ingredients. As discussed earlier, highly hydrated proteins have been associated with an increase in tenderness. Also, the use of pyrophosphates has been found to cleave the acto-myosin bond which also increases tenderness. Lower package

Table 20. Least squares means for the *Longissimus dorsi* muscle for main effects for trained sensory descriptive flavor aromatics attributes.

Effect	Juiciness[b]	Muscle Fiber Tenderness[b]	Connective Tissue Amount[b]	Overall Tenderness[b]	Overall Flavor Intensity[b]	Mouthfeels		
						Soapy[b]	Metallic[b]	Chemical Burn[b]
Injection	0.07[a]	0.0001[a]	0.0005[a]	0.0001[a]	0.0001[a]	0.33[a]	0.0001[a]	0.0001[a]
Non-injection	5.27	5.93[c]	5.81[c]	5.85[c]	3.18[c]	0.03	0.66[d]	0.06[c]
Injection	5.50	6.54[d]	6.21[d]	6.49[d]	4.13[d]	0.05	0.17[c]	0.38[d]
Tumbling, minutes	0.08[a]	0.0476[a]	0.13[a]	0.06[a]	0.0032[a]	0.34[a]	0.46[a]	0.0185[a]
0	5.48	6.01[c]	6.05	5.95	3.82[d]	0.06	0.49	0.14[c]
5	5.49	6.46[d]	5.90	6.41	3.68[d]	0.01	0.39	0.30[d]
10	5.48	6.42[d]	5.99	6.35	3.72[d]	0.02	0.38	0.31[d]
20	5.09	6.05[cd]	6.10	5.97	3.41[c]	0.06	0.40	0.14[c]
Blade Tenderized	0.31[a]	0.44[a]	0.42[a]	0.60[a]	0.0062[a]	0.86[a]	0.10[a]	0.28[a]
0	5.34	6.12	6.41	6.07	3.83[d]	0.04	0.40	0.19
1	5.30	6.25	6.62	6.19	3.57[c]	0.03	0.35	0.28
2	5.52	6.34	6.57	6.25	3.57[c]	0.04	0.50	0.19
Root Mean Square Error	0.495	0.863	0.549	0.598	0.281	0.105	0.227	0.195

[a] P-value from analysis of variance tables.
[b]Juiciness: 1=extremely dry; 8=extremely juicy, Muscle fiber and overall tenderness: 1= extremely tough; 8=extremely tender, Overall flavor intensity and mouthfeels: 1= extremely bland; 8=extremely intense.
[cd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 21. Least squares means for the *Longissimus dorsi* muscle for main effects for trained sensory flavor descriptive flavor aromatics attributes.

Effect	Cooked Beefy/Brothy[b]	Cooked Beef Fat[b]	Serumy/ Bloody[b]	Liver[b]	Grassy/ Musty [b]	Soda Flavor[b]	Salt Flavor[b]	Bitter Flavor[b]	Chemical[b]	Sour[b]
Injection	0.0019[a]	0.0411[a]	0.0001[a]	0.64[a]	0.94[a]	0.0001[a]	0.0001[a]	0.0101[a]	0.0001[a]	0.0001[a]
Non-injection	2.94[d]	1.11[d]	0.47[d]	0.03	0.40	0.00[c]	0.19[c]	0.09[c]	0.00[c]	0.09[c]
Injection	2.75[c]	1.04[c]	0.07[c]	0.04	0.40	0.10[d]	1.80[d]	0.21[d]	0.26[d]	0.52[d]
Tumbling, minutes	0.042[a]	0.88[a]	0.0292[a]	0.73[a]	0.27[a]	0.78[a]	0.34[a]	0.09[a]	0.43[a]	0.64[a]
0	2.99[d]	1.08	0.42[d]	0.02	0.32	0.07	0.96	0.08	0.13	0.32
5	2.83[c]	1.07	0.18[c]	0.03	0.44	0.04	1.12	0.11	0.15	0.30
10	2.81[c]	1.07	0.27[c]	0.03	0.48	0.04	1.06	0.25	0.15	0.35
20	2.76[c]	1.10	0.21[c]	0.06	0.37	0.05	0.84	0.16	0.09	0.24
Blade Tenderized	0.73[a]	0.37[a]	0.18[a]	0.06[a]	0.07[a]	0.80[a]	0.77[a]	0.75[a]	0.75[a]	0.19[a]
0	2.87	1.06	0.35	0.02	0.50	0.05	1.00	0.16	0.13	0.38
1	2.82	1.11	0.23	0.01	0.38	0.04	1.04	0.16	0.12	0.26
2	2.86	1.06	0.24	0.07	0.33	0.06	0.94	0.13	0.14	0.26
Root Mean Square Error	0.222	0.128	0.230	0.089	0.244	0.090	0.422	0.179	0.105	0.234

[a] P-value from analysis of variance tables.
[b]Flavor attributes: 1=extremely bland; 8=extremely intense.
[cd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 22. Least squares means for the *Longissimus dorsi* muscle for injection by storage day interactions for raw color trained panel color score.

Effect	Raw Color[b]
Injection by storage time, days	
P-value	0.0179 [a]
Non-injection, 1	5.19 [d]
Non-injection, 3	5.25[d]
Non-injection, 7	5.22[d]
Non-injection, 10	5.34[d]
Non-injection, 14	5.20[d]
Injection, 1	5.18 [d]
Injection, 3	5.17[d]
Injection, 7	4.86[c]
Injection, 10	4.80[c]
Injection, 14	4.88[c]

[a] P-value from analysis of variance tables

[b]Raw color: 1=extremely dark red; 8= extremely bright cherry red.

[cd] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

purge and cook loss values are also associated with an increase in water holding capacity resulting from the use of potassium lactate and alkaline phosphates. This was not the case in injected *Longissimus dorsi* muscles in this study. This could have been due to the fact that muscles were blade tenderized after injection and tumbling. The spaces created by blade tenderization could have allowed for more brine solution to have been lost.

As discussed earlier, previous studies have reported lower amounts of detectable connective tissue with the addition of potassium lactate to beef steaks. This is thought to be due to the mechanical action of the needles during injection breaking up connective tissue as well as the improved water holding capacity of injected steaks. In this study, injected *Longissimus dorsi* steaks also had lower amounts of detectable connective tissue.

As previously discussed, the use of non-meat ingredients has been reported to increase salty, sour and bitter basic tastes and chemical flavor aromatics. The lower beefy/brothy, cooked beef fat flavor, serumy bloody flavor aromatics and metallic mouthfeels reported in this study could be due to the masking of these flavor attributes by other flavors, such as salty, from the use of non-meat ingredients. Also, lower flavor attribute scores could be due to the dilution effect of injection. In summary, injection improved color, tenderness and flavor of injected *Longissimus dorsi* steaks. These results concur with work previously done with potassium lactate and alkaline phosphates. Therefore, injection would be recommended as a method to improve overall quality of *Longissimus dorsi* steaks.

Vacuum Tumbling

Vacuum tumbling is a method used to improve brine distribution in industry. Vacuum tumbled *Longissimus dorsi* steaks had less package purge and had more red (higher CIE a* color space values) and yellow (higher CIE b* color space values) than non-tumbled steaks. Steaks that were vacuum-tumbled for five or ten minutes were more tender than steaks that were not tumbled or tumbled for 20 minutes. Vacuum-tumbled steaks had higher raw color scores than non-tumbled steaks, indicating a brighter cherry red color. Specifically, steaks that were vacuum-tumbled for five minutes had the highest raw color score. However, raw color score decreased as tumbling time increased, indicating steaks became darker with tumbling. Steaks that were vacuum-tumbled for five and 20 minutes had lower amounts of discoloration than steaks that were not tumbled or tumbled for 10 minutes (Table 19).

Vacuum-tumbled *Longissimus dorsi* steaks had higher muscle fiber tenderness scores, indicating improved tenderness, than non-tumbled steaks. Twenty minutes of vacuum-tumbling decreased overall flavor intensity in *Longissimus dorsi* steaks. Steaks that were not tumbled or tumbled for 20 minutes had lower chemical burn mouthfeel scores than steaks tumbled for 5 or 10 minutes (Table 20). Vacuum-tumbled *Longissimus dorsi* steaks also had lower cooked beefy/brothy and serumy/bloody flavor aromatics (Table 21).

As discussed earlier, vacuum tumbling is a method used to enhance brine distribution and binding of meat pieces. With better brine distribution, the non-meat ingredients would be able to have a greater impact on water holding capacity. Better

water holding capacity results in less free water to purge out of the muscle during storage. The better binding of meat pieces would prevent free water from escaping from the muscle. Also, previous studies have found an increase in water absorption in vacuum-tumbled meat.

Previous studies have found that vacuum-tumbling had no effect on color. The times examined in those studies were much longer than the tumbling time examined in this study. However, with better brine distribution of non-meat ingredients, an improvement in color would be expected. Previous studies on injection have reported an increase in two-toning with injection (Anwar and others, 2004). Better brine distribution would result in a more even color. In this study, there was a significant injection by tumbling interaction for CIE L* color space values in *Longissimus dorsi* steaks (Table 23). In non-injected samples, 10 and 20 minutes of vacuum-tumbling increased CIE L* values, thus indicating vacuum-tumbled steaks were lighter. However, samples tumbled for 5 minutes only reported a slight increase in CIE L* values. In injected steaks, 20 minutes of vacuum-tumbling decreased CIE L* color space values. As discussed earlier, the use of non-meat ingredients has been found to result in darker steaks. This is thought to be due to improved water holding capacity, higher pH and lower light reflectance. With better brine distribution from vacuum-tumbling, a darker color would be expected.

Better brine distribution from vacuum-tumbling would also be expected to improve tenderness. As discussed earlier, the use of non-meat ingredients have been shown to improve tenderness as shown by lower Warner-Bratzler shear force values and improved sensory tenderness scores. Improved tenderness is associated with highly

Table 23. Least squares means for the *Longissimus dorsi* muscle for interaction of injection by tumbling effects for CIE L* color space values, bitter basic tastes and cook time.

Effect	L*	Bitter[b]	Cook Time, min
Injection by Tumble (min)			
P-value	0.0004 [a]	0.0196[a]	0.0107[a]
Non-injection, 0	47.33[f]	0.07[c]	23.26[c]
Non-injection, 5	48.16[fg]	0.11[c]	24.40[cd]
Non-injection, 10	48.22[g]	0.05[c]	27.04[d]
Non-injection, 20	48.88 [g]	0.13[c]	23.61[cd]
Injection, 0	45.52[de]	0.09[c]	26.51[d]
Injection, 5	45.91[e]	0.11[c]	23.37[c]
Injection, 10	44.81[cd]	0.45[d]	24.77[cd]
Injection, 20	44.60[c]	0.20[c]	24.69[cd]

[a] P-value from analysis of variance tables.

[b]Bitter basic tastes: 1=extremely bland; 8=extremely intense .

[cdefg] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

hydrated proteins. Vacuum tumbling has been shown to improved water absorption and brine distribution. Both would improve water holding capacity and result in highly hydrated proteins. Therefore, meat would be more tender. In this study, vacuum-tumbled *Longissimus dorsi* muscles had lower Warner-Bratzler shear force values and higher muscle fiber tenderness scores. With better brine distribution from vacuum-tumbling, changes in flavor would be expected.

As discussed earlier, the use of non-meat ingredients has been shown to have an effect on flavor. Potassium lactate is associated with higher bitter basic tastes and chemical burn mouthfeels. Sodium diacetate is associated with higher sour basic tastes. If these ingredients were more evenly distributed, there would be changes in flavor. In this study, there was a significant injection by tumbling interaction for bitter basic tastes in the *Longissimus dorsi* muscle (Table 23). Samples that were injected and tumbled for 10 minutes had higher bitter basic tastes than any other treatment. Vacuum-tumbling had no effect on bitter basic tastes in non-injected steaks.

Samples tumbled for 20 minutes had lower overall flavor intensity scores than non-tumbled samples or samples tumbled for 5 or 10 minutes. Vacuum-tumbled samples also had lower cooked beefy/brothy and cooked beef fat flavor aromatics. This decrease in samples tumbled for shorter tumbling times could be due to better cure distribution. The non-meat ingredients could have masked the beefy/brothy and beef fat flavor. Also, the dilution effect of injection could have also resulted in meat with lower cooked beefy/brothy and cooked beef fat flavor aromatics.

Five and ten minutes of vacuum-tumbling also increased chemical burn mouthfeels. Ten minutes of tumbling increased bitter basic tastes. As discussed earlier, chemical burn mouthfeels and an increase in bitter basic tastes are associated with the addition of lactates to meat products. This increase could be due to better brine distribution in samples tumbled for 5 or 10 minutes.

In summary, vacuum tumbling improved package purge, color, tenderness and flavor attributes of the *Longissimus dorsi* muscle. This is believed to be due to better distribution of non-meat ingredients. Therefore, vacuum-tumbling would be recommended to improve the quality attributes of the *Longissimus dorsi* muscle.

Blade Tenderization

Longissimus dorsi steaks that were blade tenderized twice had higher package purge values than samples that were not blade tenderized or blade tenderized once. Blade tenderized *Longissimus dorsi* steaks were more tender than non-blade tenderized samples as shown by lower Warner-Bratzler shear force values. *Longissimus dorsi* steaks that were passed through the blade tenderizer once were more red and more yellow (higher CIE a* and b* color space values) than samples that were not blade tenderizer or passed through the blade tenderizer twice (Table 19).

Blade tenderized *Longissimus dorsi* steaks had lower overall flavor intensity and grassy/musty flavor aromatic scores. However, blade tenderization did not affect muscle fiber or overall tenderness scores (Tables 20 and 21).

As discussed earlier, blade tenderization is a mechanical method to disrupt the muscle fiber integrity in meat. Higher package purge values have been found

in earlier studies in meat that was blade tenderized. In this study, there was a significant interaction for blade tenderization by tumbling time for package purge in *Longissimus dorsi* steaks (Table 24). Samples that were blade tenderized twice and not vacuum-tumbled had higher package purge values than all other treatments. The lysing of cells from blade tenderization could allow for water to purge out of the muscle. Vacuum-tumbling helps the distribution of brine solutions. The salts of lactic acid and alkaline phosphates have been shown to improve water-holding capacity and therefore decrease package purge of meat products. The better distribution of non-meat ingredients in those samples vacuum-tumbled and blade tenderized could explain the lower package purge values. The increase in package purge values in steaks that were blade tenderized also could be due to the fact that the steaks were blade tenderized after injection and tumbling. This could have allowed for some extra brine solution to purge out.

As discussed earlier, blade tenderization has not been found to affect color in previous studies. In this study there was a significant blade tenderization by tumbling time interaction for CIE a* color space values and trained color panel raw color scores (Table 24). There was also a significant blade tenderization by injection interaction for the amount of discoloration (Table 25). Two passes through the blade tenderizer decreased CIE a* color space values, indicating steaks were less red, in samples that were not vacuum-tumbled. In steaks that were blade tenderized once, steaks that were vacuum-tumbled for 5 and 10 minutes had higher CIE a* color space values, indicating steaks were more red, than samples tumbled for twenty minutes. However, CIE a* color space values for all tumbling times were not different than CIE a* color space values for

Table 24. Least squares means for the *Longissimus dorsi* muscle for main effects for the interaction of blade tenderization by tumbling for package purge percentage, CIE a* color space values, raw color score and flavor intensity score.

Effect	Package Purge, %	a*	Raw Color[b]	Flavor Intensity[b]
Blade Tenderization x Tumbling				
P-value	0.0216 [a]	0.0001[a]	0.0001[a]	0.0197a
0, 0 min	0.53 [c]	17.70[def]	5.16[def]	4.22[g]
0, 5 min	0.60[c]	17.36[de]	5.41[f]	3.77[def]
0, 10 min	0.39[c]	17.61[def]	5.07[de]	3.94[fg]
0, 20 min	0.54[c]	18.35[ef]	4.40[d]	3.39[c]
1, 0 min	0.74[c]	17.89[def]	5.09[de]	3.56[cde]
1, 5 min	0.33[c]	18.51[f]	5.25[ef]	3.85[ef]
1, 10 min	0.47[c]	18.40[f]	4.95[d]	3.48[cde]
1, 20 min	0.32[c]	17.17[d]	5.14[de]	3.39[c]
2, 0 min	1.82[d]	15.77[c]	4.64[c]	3.67[cdef]
2, 5 min	0.44[c]	18.31[ef]	5.22[ef]	3.41[c]
2, 10 min	0.32[c]	17.96[def]	5.42[f]	3.73[cdef]
2, 20 min	0.82[c]	17.32[d]	5.04[de]	3.44[cd]

[a] P-value from analysis of variance tables.

[b]Raw Color: 1= extremely dark red, 8= extremely bright cherry red; Flavor Intensity: 1= extremely bland, 8= extremely intense.

[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

Table 25. Least squares means for the *Longissimus dorsi* muscle for main effects for the amount of discoloration scores and beefy/brothy flavor aromatic trained descriptive attribute sensory panel scores.

Effect	Amount Of Discoloration[b]	Beefy/ Brothy[b]
Injection x Blade Tenderization		
P-value	0.0050[a]	0.0283[a]
Non-injection, 0	1.86[cd]	2.94[de]
Non-injection, 1	1.65[c]	2.83[cd]
Non-injection, 2	2.08[d]	3.07[e]
Injection, 0	2.02[d]	2.81[cd]
Injection, 1	2.09[d]	2.80[cd]
Injection, 2	1.80[cd]	2.65[c]

[a] P-value from analysis of variance tables.
[b] Amount of Discoloration: 1=no discoloration, 7= total discoloration; Beefy/Brothy: 1= extremely bland, 8= extremely intense
[cde] Mean values within a column and followed by the same letter are not significantly different (P > 0.05).

steaks that were passed through the blade tenderizer once and not tumbled. In samples that were blade tenderized twice, tumbling increased CIE a* color space values. However, as tumbling time increased, CIE a* values decreased in samples blade tenderized twice. Vacuum-tumbling had no effect on CIE a* color space values for steaks that were not blade tenderized. *Longissimus dorsi* steaks became darker with increased tumbling time for steaks that were either not blade tenderized or passed through the blade tenderizer once. However, color scores were not significantly different from the scores for steaks that were not vacuum-tumbled. For steaks that were blade tenderized twice, steaks became a brighter cherry red with vacuum-tumbling. Increased blade tenderization could have caused an increase in the amount of brine purging out of the muscle.

In non-injected steaks, two passes through the blade tenderizer increased the amount of discoloration (Table 25). However, in injected samples blade tenderization did not have an effect on the amount of discoloration. As discussed earlier, blade tenderization was used to aid in brine distribution by creating extra spaces and disrupting connective tissue for more even brine distribution. Also, the addition of potassium lactate has been associated with darker steaks and lower CIE a* color space values. Blade tenderization creates more spaces for the brine solution to enter into the muscle fibers. This would result in darker and less red steaks. Also, as discussed previously, microbial growth increases with increased passes through the blade tenderizer. Microbial growth is one factor for discoloration in steaks. This would explain the increase in the amount of discoloration in steaks that were passed through the blade tenderizer twice and not

injected. The combination of potassium lactate and sodium diacetate has been shown to slow microbial growth in *Longissimus dorsi* steaks (Anwar and others, 2004). With the extra spaces created by blade tenderization, these ingredients would have had better distribution through the muscle. This could explain why steaks that were injected and passed through the blade tenderizer twice had lower amounts of discoloration.

Blade tenderization is most often used to improve the tenderness of meat. As discussed earlier, numerous studies have found improved tenderness with the use of blade tenderization. In this study, blade tenderization did lower Warner-Bratzler shear force values, but failed to improve trained sensory panel tenderness scores in the *Longissimus dorsi.* This could have been due to the fact that the trained sensory panel was not able to detect small changes in tenderness since the *Longissimus dorsi* is inherently more tender than many beef cuts. Another possible explanation is the hydration of proteins from the use of non-meat ingredients and the disruption of muscle fibers by injection needles could have masked the effect of blade tenderization.

As discussed earlier, many of the flavor attributes associated with the flavor of beef are thought to be water soluble proteins located in the sarcoplasmic proteins. Blade tenderization lyses muscle cells and this may result in the release of flavor components. Also, previous studies have found a decrease in overall flavor intensity in blade tenderized samples. In this study, there was a decrease in overall flavor intensity and grassy/musty flavor aromatics in blade tenderized *Longissimus dorsi* steaks. There was also a significant injection by blade tenderization interaction for the beefy/brothy flavor aromatic in *Longissimus dorsi* steaks (Table 25). In non-injected steaks, beefy/brothy

flavor aromatic scores increased in samples that were passed through the blade tenderizer twice. However, in injected samples, blade tenderization had no effect on beefy/brothy flavor aromatics. As discussed earlier the beefy/brothy flavor aromatic is believed to be composed of several intracellular, water-soluble compounds. Blade tenderization could increase beefy/brothy flavor aromatics by lysing the cell and thus releasing these compounds into the extracellular matrix of the muscle tissue.

In summary, blade tenderization increased package purge, decreased CIE a* and b* color space values, and overall flavor intensity scores in *Longissimus dorsi* steaks. Though blade tenderization did improve Warner-Bratzler shear force values, trained sensory panelists could not detect changes in tenderness. Therefore, blade tenderization would not be recommended as a method to enhance the quality attributes of injected *Longissimus dorsi* steaks.

Storage Day

Package purge was highest on day one in *Longissimus dorsi* steaks. There was a significant decrease in package purge between days 1 to 3, but package purge remained unchanged throughout the rest of the storage period. Cook loss was lowest on day one of storage. There was an increase in cook loss between days 1 and 3 of storage. Cook loss was the same on days 3 through 10 of the storage period. On day 14, there was a significant decrease in cook loss, but cook loss was still higher than on day 1. pH values were highest on day 1 in *Longissimus dorsi* steaks. The lowest pH values were reported on days 3 and 10 of storage. The CIE L* color space values were the same throughout storage except on day 3 when CIE L* color space values increased. The CIE a* color

space values decreased from days 3 to 14 of storage. The CIE b* color space values were the same on 1, 7 and 14 days of storage. The CIE b* color space values were the highest on day 10 and lowest on day 3 of storage. The amount of discoloration determined by the trained color panel was the same throughout storage except on day 14 when there was a significant increase in the amount of discoloration. Warner-Bratzler shear force values were lowest on days 1 and 14 of storage in *Longissimus dorsi* steaks. Cook time was highest on day 3 of storage. There was a gradual decrease in cook time on days 7 through 14 of storage. However, the lowest cook time values were reported on day 1.

As discussed earlier, pH values affect water holding capacity and color of meat. Higher water holding capacity results in lower cook loss and Warner-Bratzler shear force values due to better hydration of proteins. Therefore, the higher pH values, as seen on day 1 of storage, would explain the lower cook loss and Warner Bratzler shear force values reported on day 1. The lower pH values observed on day 3 of storage would explain the increase in cook loss and CIE L* color space values. This is due to an increase in free water on the surface of the meat and therefore higher light reflectance. Declines in pH are expected throughout storage. Microbial growth is often the cause of pH decline and discoloration throughout storage. As discussed earlier, *Psuedomonas* and *Lactobiacilli* species are most often the microbial species found in meat packaged in modified atmosphere packaging. Also, the use of carbon dioxide has been found to decrease pH and increase discoloration values of meat when used in modified atmosphere packaging. Throughout storage the amount of oxygen decreases as

oxidative enzymes use the oxygen. This results in an increase in the amount of carbon dioxide. This increase in carbon dioxide can result in a browning of the meat surface. The brown color results because the myoglobin pigment is oxidized and converted from oxymyoglobin to metmyoglobin. This conversion of myoglobin to metmyoglobin would explain the higher discoloration scores on day 14 of storage.

Warner-Bratzler shear force values would be expected to decrease during storage. This is due to aging enzymes disrupting the muscle fiber integrity. This is due to proteolysis of myofibrillar proteins (Koohmaraie and others, 1988) and a decrease in ionic strength (Wu and Smith, 1987). In this study the lowest Warner-Bratzler shear force values were reported on days 1 and 14 of storage. As discussed above, the lower shear values reported on day 1 could have been due to better hydration of myofibrillar proteins. There was not an interaction for injection by storage day for Warner-Bratzler shear force values. This would indicate any decrease in Warner-Bratzler shear force values during storage would be due to aging and not the use of non-meat ingredients. Previous studies examining the use of potassium lactate have found similar results. In top loin steaks treated with potassium lactate, initial Warner-Bratzer shear force values were improved with the addition of potassium lactate, but potassium lactate did not interact with the normal postmortem aging in those steaks (Anwar and others, 2004).

Overall Summary

In summary, injection improved the tenderness, color and flavor attributes of *Longissimus dorsi* steaks. Vacuum tumbling improved package purge values, trained panel muscle fiber tenderness scores and slightly decreased the amount of discoloration.

However, vacuum-tumbling also decreased positive flavor attributes in *Longissimus dorsi* steaks, such as cooked beefy/brothy and serumy bloody. Blade tenderization resulted in more tender *Longissimus dorsi* steaks as shown by decreased Warner-Bratzler shear force values. There was also an increase in package purge and a decrease in negative flavor attributes such as grassy/musty. These results indicate that the addition of non-meat ingredients used in combination with shorter vacuum-tumbling times can improve the texture and color stability of *Longissimus dorsi* steaks packaged in high oxygen modified atmosphere packaging.

CHAPTER V

CONCLUSIONS

For all four muscles evaluated in this study, injection of muscles with potassium lactate, sodium tripolyphosphate, sodium diacetate, and salt resulted in the most significant improvement of the quality characteristics evaluated. These ingredients improved water holding capacity, tenderness, color and flavor. The results reported in this study are similar to resulted reports in previous studies examining the use of non-meat ingredients in beef.

The use of vacuum tumbling had minimal and often detrimental effects in the *Biceps femoris, Supraspinatus,* and *Triceps brachii long head*. From these results, vacuum tumbling would not be a method recommended to be used in combination with injection to improve the quality of high connective tissue cuts of beef. However, vacuum tumbling was applied before blade tenderization and tumbling times were short in this study. Future research needs to evaluate the use of vacuum tumbling after blade tenderization and if longer tumbling times would have more of an impact on the quality characteristics of high connective tissue cuts of meat.

Blade tenderization improved tenderness, but did not show evidence of helping with the distribution of non-meat ingredients. For this reason, blade tenderization would not be a method recommended to be utilized to aid in the distribution of non-meat ingredients in high connective tissue cuts of beef. However, hand blade tenderizers were used for many of the processing days. This could have impacted the effect of blade tenderization reported in this study.

In conclusion, the injection of non-meat ingredients would be recommended as a strategy to improve the water holding capacity, tenderness, color and flavor of high connective tissue cuts of meat packaged in high oxygen, modified atmosphere packaging.

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APPENDIX A

ANOVA TABLES

Table A-1. ANOVA table for full model

Source	DF
Error	
Corrected Total	

Source	DF
Rep	2
Day	4
Blade	2
Inject	1
Tumble	3
Rep*Blade	4
Rep*Inject	2
Rep*Tumble	6
Rep*Day	7
Day*Blade	8
Day*Inject	4
Day*Tumble	12
Blade*Inject	2
Blade*Tumble	6
Inject*Tumble	3

Table A-2. ANOVA table for package purge (%) for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	16	30.27386062	1.89211629
Error	314	159.63890716	0.50840416
Corrected Total	330	189.91276778	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	6.40670912	3.20335456	6.30	0.0021
DAY	4	11.82389719	2.95597430	5.81	0.0002
BLADE	2	3.57844969	1.78922484	3.52	0.0308
INJECT	1	2.98563728	2.98563728	5.87	0.0159
TUMBLE	3	0.25882620	0.08627540	0.17	0.9168
DAY*INJECT	4	4.88821152	1.22205288	2.40	0.0497

Table A-3. ANOVA table for Warner Bratzler Shear Force (kg) for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	20	29.75379201	1.48768960
Error	313	141.70355749	0.45272702
Corrected Total	333	171.45734950	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.42642168	1.21321084	2.68	0.0702
DAY	4	1.45802115	0.36450529	0.81	0.5226
BLADE	2	0.29719008	0.14859504	0.33	0.7205
INJECT	1	11.18985691	11.18985691	24.72	0.0001
TUMBLE	3	2.00436297	0.66812099	1.48	0.2211
BLADE*INJECT	2	4.12650332	2.06325166	4.56	0.0112
BLADE*TUMBLE	6	8.22507578	1.37084596	3.03	0.0068

Table A-4. ANOVA table for cook loss (%) for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	22	4060.98791462	184.59035976
Error	312	8681.05879413	27.82390639
Corrected Total	334	12742.04670875	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2762.63368731	1381.31684365	49.64	0.0001
DAY	4	277.53906944	69.38476736	2.49	0.0430
BLADE	2	162.55909446	81.27954723	2.92	0.0553
INJECT	1	56.27719263	56.27719263	2.02	0.1560
TUMBLE	3	50.81990553	16.93996851	0.61	0.6097
DAY*INJECT	4	383.49571742	95.87392935	3.45	0.0090
BLADE*TUMBLE	6	366.77027757	61.12837959	2.20	0.0431

Table A-5. ANOVA table for cook time (min) for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	14	2440.85139413	174.34652815
Error	320	13366.16353125	41.76926104
Corrected Total	334	15807.01492537	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	1383.11828367	691.55914183	16.56	0.0001
DAY	4	639.94026017	159.98506504	3.83	0.0047
BLADE	2	76.85213343	38.42606672	0.92	0.3996
INJECT	1	1.71242428	1.71242428	0.04	0.8397
TUMBLE	3	52.58920526	17.52973509	0.42	0.7390
BLADE*INJECT	2	311.08286257	155.54143128	3.72	0.0252

Table A-6. ANOVA table for raw color scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	32	52.25040659	1.63282521
Error	289	131.14020763	0.45377234
Corrected Total	321	183.39061422	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	4.72428833	2.36214417	5.21	0.0060
DAY	4	22.27154769	5.56788692	12.27	0.0001
BLADE	2	0.80057344	0.40028672	0.88	0.4150
INJECT	1	5.35394887	5.35394887	11.80	0.0007
TUMBLE	3	2.02911334	0.67637111	1.49	0.2172
REP*INJECT	2	4.65198927	2.32599463	5.13	0.0065
REP*TUMBLE	6	8.07831909	1.34638652	2.97	0.0079
DAY*BLADE	8	1.96855385	0.24606923	0.54	0.8242

Table A-7. ANOVA table for amount of discoloration scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	32	172.40292959	5.38759155
Error	289	515.60052106	1.78408485
Corrected Total	321	688.00345066	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	28.46104428	14.23052214	7.98	0.0004
DAY	4	67.60743892	16.90185973	9.47	0.0001
BLADE	2	3.91483744	1.95741872	1.10	0.3352
INJECT	1	2.48294856	2.48294856	1.39	0.2391
TUMBLE	3	17.28655469	5.76218490	3.23	0.0228
DAY*TUMBLE	12	13.22972136	1.10247678	0.62	0.8267
BLADE*INJECT	2	10.12910483	5.06455242	2.84	0.0601
BLADE*TUMBLE	6	34.73005672	5.78834279	3.24	0.0042

Table A-8. ANOVA table for discoloration score for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	21	5.11369018	0.24350906
Error	300	61.24008828	0.20413363
Corrected Total	321	66.35377847	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.16738913	0.08369456	0.41	0.6640
DAY	4	0.59536865	0.14884216	0.73	0.5726
BLADE	2	0.07780801	0.03890401	0.19	0.8266
INJECT	1	0.52604810	0.52604810	2.58	0.1095
TUMBLE	3	0.42564406	0.14188135	0.70	0.5557
BLADE*TUMBLE	6	2.56820690	0.42803448	2.10	0.0535
INJECT*TUMBLE	3	1.00770140	0.33590047	1.65	0.1789

Table A-9. ANOVA table for Minolta CIE L* color space values for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	27	1694.93707246	62.77544713
Error	271	2576.33158825	9.50675863
Corrected Total	298	4271.26866071	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	302.56750717	151.28375359	15.91	0.0001
DAY	4	377.43486469	94.35871617	9.93	0.0001
BLADE	2	19.67181391	9.83590696	1.03	0.3568
INJECT	1	354.67268011	354.67268011	37.31	0.0001
TUMBLE	3	60.39593031	20.13197677	2.12	0.0983
REP*BLADE	4	139.75818329	34.93954582	3.68	0.0062
REP*INJECT	2	77.09289890	38.54644945	4.05	0.0184
REP*TUMBLE	6	102.56103721	17.09350620	1.80	0.0996

Table A-10. ANOVA table for Minolta CIE a* color space values for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	14	1635.89078480	116.84934177
Error	282	2088.33468173	7.40544213
Corrected Total	296	3724.22546653	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	180.72601903	90.36300951	12.20	0.0001
DAY	4	1168.56560987	292.14140247	39.45	0.0001
BLADE	2	10.76568849	5.38284424	0.73	0.4843
INJECT	1	46.33996606	46.33996606	6.26	0.0129
TUMBLE	3	56.83186814	18.94395605	2.56	0.0554
REP*INJECT	2	112.68566957	56.34283479	7.61	0.0006

Table A-11. ANOVA table for Minolta CIE b* color space values for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	14	116.11515629	8.29393974
Error	284	452.62453498	1.59374836
Corrected Total	298	568.73969127	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	7.24998082	3.62499041	2.27	0.1047
DAY	4	24.95601124	6.23900281	3.91	0.0041
BLADE	2	1.55251347	0.77625673	0.49	0.6149
INJECT	1	69.50823234	69.50823234	43.61	0.0001
TUMBLE	3	0.78914059	0.26304686	0.17	0.9199
REP*INJECT	2	16.01905368	8.00952684	5.03	0.0072

Table A-12. ANOVA table for pH values for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	30	4.93173592	0.16439120
Error	290	12.47718713	0.04302478
Corrected Total	320	17.40892305	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.03564201	1.01782101	23.66	0.0001
DAY	4	0.94480013	0.23620003	5.49	0.0003
BLADE	2	0.00624138	0.00312069	0.07	0.9301
INJECT	1	1.12143650	1.12143650	26.06	0.0001
TUMBLE	3	0.10550163	0.03516721	0.82	0.4851
DAY*INJECT	4	0.36312756	0.09078189	2.11	0.0796
DAY*TUMBLE	12	0.50282953	0.04190246	0.97	0.4739
BLADE*INJECT	2	0.01469433	0.00734716	0.17	0.8431

Table A-13. ANOVA table for trained panel scores for juiciness for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	14	13.86999214	0.99071372
Error	55	14.91250389	0.27113643
Corrected Total	69		

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.02671498	0.01335749	0.05	0.9520
BLADE	2	0.48963164	0.24481582	0.90	0.4113
INJECT	1	1.72276179	1.72276179	6.35	0.0146
TUMBLE	3	0.73591625	0.24530542	0.90	0.4448
REP*BLADE	4	6.57218823	1.64304706	6.06	0.0004
REP*INJECT	2	4.33401374	2.16700687	7.99	0.0009

Table A-14. ANOVA table for trained panel muscle fiber tenderness scores for the *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	12	8.17214776	0.68101231
Error	57	18.19286282	0.31917303
Corrected Total	69	26.36501058	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	1.18981363	0.59490681	1.86	0.1644
BLADE	2	0.14191239	0.07095620	0.22	0.8014
INJECT	1	1.88819383	1.88819383	5.92	0.0182
TUMBLE	3	0.75610917	0.25203639	0.79	0.5047
REP*BLADE	4	4.19204405	1.04801101	3.28	0.0172

Table A-15. ANOVA table for trained panel overall tenderness scores for the *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	12	7.04493639	0.58707803
Error	57	18.81000012	0.33000000
Corrected Total	69	25.85493651	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.41765502	0.20882751	0.63	0.5348
BLADE	2	0.21107280	0.10553640	0.32	0.7276
INJECT	1	1.89518733	1.89518733	5.74	0.0199
TUMBLE	3	0.85436286	0.28478762	0.86	0.4656
REP*BLADE	4	3.60142052	0.90035513	2.73	0.0379

Table A-16. ANOVA table for trained panel scores for connective tissue amount for the *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	8	5.38046832	0.67255854
Error	61	22.65794438	0.37144171
Corrected Total	69	28.03841270	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.01106724	1.00553362	2.71	0.0747
BLADE	2	1.54980418	0.77490209	2.09	0.1329
INJECT	1	0.87900100	0.87900100	2.37	0.1291
TUMBLE	3	0.74454161	0.24818054	0.67	0.5748

Table A-17. ANOVA table for trained panel scores for overall flavor intensity for the *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	20	6.93298001	0.34664900
Error	49	3.55607819	0.07257302
Corrected Total	69	10.48905820	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.88061460	0.44030730	6.07	0.0044
BLADE	2	0.10082931	0.05041465	0.69	0.5041
INJECT	1	3.99338477	3.99338477	55.03	0.0001
TUMBLE	3	0.91719225	0.30573075	4.21	0.0100
REP*BLADE	4	0.26091605	0.06522901	0.90	0.4720
REP*INJECT	2	0.42198873	0.21099436	2.91	0.0641
REP*TUMBLE	6	0.19636211	0.03272702	0.45	0.8408

Table A-18. ANOVA table for cooked beefy/brothy flavor attribute scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	15	0.95321914	0.06354794
Error	54	1.52753086	0.02828761
Corrected Total	69	2.48075000	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.11388177	0.05694088	2.01	0.1435
BLADE	2	0.03139601	0.01569801	0.55	0.5773
INJECT	1	0.05512593	0.05512593	1.95	0.1684
TUMBLE	3	0.06456589	0.02152196	0.76	0.5210
REP*BLADE	4	0.35172619	0.08793155	3.11	0.0225
INJECT*TUMBLE	3	0.34562500	0.11520833	4.07	0.0111

Table A-19. ANOVA table for cooked beef fat flavor attribute scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	8	0.53253241	0.06656655
Error	61	2.91692262	0.04781840
Corrected Total	69	3.44945503	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.29165261	0.14582631	3.05	0.0547
BLADE	2	0.10396842	0.05198421	1.09	0.3436
INJECT	1	0.08585214	0.08585214	1.80	0.1852
TUMBLE	3	0.04103829	0.01367943	0.29	0.8353

Table A-20. ANOVA table for serumy/bloody flavor attribute scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	12	1.62550630	0.13545886
Error	57	2.80094873	0.04913945
Corrected Total	69	4.42645503	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.44548084	0.22274042	4.53	0.0149
BLADE	2	0.16671541	0.08335770	1.70	0.1925
INJECT	1	0.43816752	0.43816752	8.92	0.0042
TUMBLE	3	0.04303038	0.01434346	0.29	0.8311
REP*BLADE	4	0.54161340	0.13540335	2.76	0.0364

Table A-21. ANOVA table for liver flavor attribute scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	8	0.37166814	0.04645852
Error	61	1.75400382	0.02875416
Corrected Total	69	2.12567196	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.05412886	0.02706443	0.94	0.3957
BLADE	2	0.00356683	0.00178341	0.06	0.9399
INJECT	1	0.18793503	0.18793503	6.54	0.0131
TUMBLE	3	0.13326521	0.04442174	1.54	0.2120

Table A-22. ANOVA table for grassy/musty flavor attribute scores for *Biceps femoris*

Source	DF	Sum of Squares	Mean Square
Model	8	5.28702731	0.66087841
Error	61	5.94099253	0.09739332
Corrected Total	69	11.22801984	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	5.05127917	2.52563959	25.93	0.0001
BLADE	2	0.01398116	0.00699058	0.07	0.9308
INJECT	1	0.12802047	0.12802047	1.31	0.2561
TUMBLE	3	0.01356650	0.00452217	0.05	0.9866

Table A-23. ANOVA table for package purge (%) for *Supraspinatus*

Dependent Variable: PPURGE

Source	DF	Sum of Squares	Mean Square
Model	12	61.47352968	5.12279414
Error	323	216.31093011	0.66969328
Corrected Total	335	277.78445979	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	25.90341349	12.95170674	19.34	0.0001
DAY	4	28.94357759	7.23589440	10.80	0.0001
BLADE	2	0.45888894	0.22944447	0.34	0.7102
INJECT	1	4.13421114	4.13421114	6.17	0.0135
TUMBLE	3	1.95987878	0.65329293	0.98	0.4045

Table A-24. ANOVA table for Warner Bratzler shear force (kg) for *Supraspinatus*

Dependent Variable: SHEAR

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	19	88.46173550	4.65588082	6.74	0.0001
Error	317	218.83182694	0.69032122		
Corrected Total	336	307.29356245			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	4.08131307	2.04065654	2.96	0.0535
DAY	4	14.31018295	3.57754574	5.18	0.0005
BLADE	2	18.15349003	9.07674501	13.15	0.0001
INJECT	1	16.27154622	16.27154622	23.57	0.0001
TUMBLE	3	1.20584202	0.40194734	0.58	0.6270
REP*BLADE	4	14.85677704	3.71419426	5.38	0.0003
INJECT*TUMBLE	3	17.66646273	5.88882091	8.53	0.0001

Table A-25. ANOVA table for cook loss (%) for *Supraspinatus*

Dependent Variable: PCKLOSS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	19	5141.99985598	270.63157137	6.47	0.0001
Error	316	13208.52780628	41.79913863		
Corrected Total	335	18350.52766226			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2052.32825712	1026.16412856	4.55	0.0001
DAY	4	1318.43280201	329.60820050	7.89	0.0001
BLADE	2	271.62367805	135.81183903	3.25	0.0401
INJECT	1	703.41085161	703.41085161	16.83	0.0001
TUMBLE	3	84.98758613	28.32919538	0.68	0.5662
DAY*INJECT	4	517.31539431	129.32884858	3.09	0.0161
INJECT*TUMBLE	3	332.65745188	110.88581729	2.65	0.0487

Table A-26. ANOVA table for cook time (min.) for *Supraspinatus*

Dependent Variable: CKTIME

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	28	2659.43057350	94.97966334	3.25	0.0001
Error	309	9031.03392354	29.22664700		
Corrected Total	337	11690.46449704			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	665.04148290	332.52074145	11.38	0.0001
DAY	4	724.82976038	181.20744009	6.20	0.0001
BLADE	2	10.44036518	5.22018259	0.18	0.8365
INJECT	1	199.29654617	199.29654617	6.82	0.0095
TUMBLE	3	177.42247308	59.14082436	2.02	0.1106
DAY*INJECT	4	400.11504983	100.02876246	3.42	0.0093
DAY*TUMBLE	12	619.00275660	51.58356305	1.76	0.0532

Table A-27. ANOVA table for Warner Bratzler shear force (kg) for *Supraspinatus*

Dependent Variable: SHEAR

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	119.99120304	5.99956015	10.14	0.0001
Error	313	185.15548041	0.59155106		
Corrected Total	333	305.14668346			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
PCKLOSS	1	30.77620110	30.77620110	52.03	0.0001
REP	2	1.13711646	0.56855823	0.96	0.3836
DAY	4	6.52708807	1.63177202	2.76	0.0280
BLADE	2	23.75572417	11.87786209	20.08	0.0001
INJECT	1	7.69930793	69930793	13.02	0.0004
TUMBLE	3	1.68928708	0.56309569	0.95	0.4158
REP*BLADE	4	14.24387499	3.56096875	6.02	0.0001
INJECT*TUMBLE	3	11.78801523	3.92933841	6.64	0.0002

Table A-28. ANOVA table for raw color panel scores for *Supraspinatus*

Dependent Variable: RAW

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	22	23.82950190	1.08315918	3.44	0.0001
Error	315	99.30930480	0.31526763		
Corrected Total	337	123.13880671			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	4.94711253	2.47355626	7.85	0.0005
DAY	4	3.99203477	0.99800869	3.17	0.0143
BLADE	2	0.07583102	0.03791551	0.12	0.8867
INJECT	1	5.08960526	5.08960526	16.14	0.0001
TUMBLE	3	1.36789763	0.45596588	1.45	0.2293
REP*BLADE	4	3.07237646	0.76809411	2.44	0.0472
REP*INJECT	2	2.16217991	1.08108995	3.43	0.0336
DAY*INJECT	4	3.59554903	0.89888726	2.85	0.0240

Table A-29. ANOVA table for amount of discoloration color panel scores for *Supraspinatus*

Dependent Variable: AMTDIS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	175.38575912	9.74365328	6.87	0.0001
Error	319	452.63264982	1.41891113		
Corrected Total	337	628.01840894			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	19.25517131	9.62758566	6.79	0.0013
DAY	4	85.75825822	21.43956455	15.11	0.0001
BLADE	2	11.73545867	5.86772934	4.14	0.0169
INJECT	1	0.34411037	0.34411037	0.24	0.6227
TUMBLE	3	13.53312222	4.51104074	3.18	0.0243
REP*BLADE	4	21.42833760	5.35708440	3.78	0.0051
REP*INJECT	2	23.66078312	11.83039156	8.34	0.0003

Table A-30. ANOVA table for discoloration color panel scores for *Supraspinatus*

Dependent Variable: DISCOLOR

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	24	45.09425013	1.87892709	2.11	0.0021
Error	313	278.22207137	0.88888841		
Corrected Total	337	323.31632150			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.06775195	1.03387597	1.16	0.3139
DAY	4	9.88700370	2.47175093	2.78	0.0270
BLADE	2	1.71434925	0.85717463	0.96	0.3824
INJECT	1	0.53846276	0.53846276	0.61	0.4370
TUMBLE	3	3.88983234	1.29661078	1.46	0.2258
DAY*BLADE	8	14.80830818	1.85103852	2.08	0.0372
DAY*INJECT	4	11.74947586	2.93736897	3.30	0.0113

Table A-31. ANOVA table for Minolta CIE L*color space values for *Supraspinatus*

Dependent Variable: LAVE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	23	923.41210818	40.14835253	8.92	0.0001
Error	267	1202.03910099	4.50201910		
Corrected Total	290	2125.45120918			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	188.18850751	94.09425375	20.90	0.0001
DAY	4	287.16603371	71.79150843	15.95	0.0001
BLADE	2	35.89885800	17.94942900	3.99	0.0197
INJECT	1	269.00184877	269.00184877	59.75	0.0001
TUMBLE	3	8.66090485	2.88696828	0.64	0.5891
REP*TUMBLE	6	58.04164518	9.67360753	2.15	0.0483
BLADE*INJECT	2	35.35069682	17.67534841	3.93	0.0209
INJECT*TUMBLE	3	79.82009031	26.60669677	5.91	0.0006

Table A-32. ANOVA table for Minolta CIE a* color space values for *Supraspinatus*

Dependent Variable: AAVE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	509.48875200	42.45739600	6.90	0.0001
Error	278	1710.53420458	6.15300074		
Corrected Total	290	2220.02295658			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	78.83207108	39.41603554	6.41	0.0019
DAY	4	111.35561059	27.83890265	4.52	0.0015
BLADE	2	6.91870931	3.45935465	0.56	0.5706
INJECT	1	259.72616002	259.72616002	42.21	0.0001
TUMBLE	3	52.02374066	17.34124689	2.82	0.0394

Table A-33. ANOVA table for Minolta CIE b* color space values for *Supraspinatus*

Dependent Variable: BAVE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	131.92161545	10.99346795	9.10	0.0001
Error	278	335.75581823	1.20775474		
Corrected Total	290	467.67743368			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	23.67466631	11.83733315	9.80	0.0001
DAY	4	21.85035469	5.46258867	4.52	0.0015
BLADE	2	4.96256704	2.48128352	2.05	0.1301
INJECT	1	82.55132904	82.55132904	68.35	0.0001
TUMBLE	3	6.00649183	2.00216394	1.66	0.1764

Table A-34. ANOVA table for pH values for *Supraspinatus*

Dependent Variable: APH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	2.37190794	0.19765900	4.77	0.0001
Error	318	13.17820580	0.04144090		
Corrected Total	330	15.55011375			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.09189727	0.04594864	1.11	0.3312
DAY	4	1.05919772	0.26479943	6.39	0.0001
BLADE	2	0.23930168	0.11965084	2.89	0.0572
INJECT	1	0.64330357	0.64330357	15.52	0.0001
TUMBLE	3	0.41109285	0.13703095	3.31	0.0205

Table A-35. ANOVA table for trained flavor panel scores for juiciness for *Supraspinatus*

Dependent Variable: JUICY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	2.96028170	0.37003521	0.83	0.5837
Error	61	27.35392465	0.44842499		
Corrected Total	69	30.31420635			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.80837756	0.40418878	0.90	0.4114
BLADE	2	1.22636950	0.61318475	1.37	0.2625
INJECT	1	0.42439042	0.42439042	0.95	0.3345
TUMBLE	3	0.46587528	0.15529176	0.35	0.7919

Table A-36. ANOVA table for trained flavor panel scores for muscle fiber tenderness for *Supraspinatus*

Dependent Variable: MFT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	3.84448118	0.48056015	2.32	0.0302
Error	61	12.62123708	0.20690553		
Corrected Total	69	16.46571825			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.62010527	0.31005263	1.50	0.2316
BLADE	2	0.92513251	0.46256625	2.24	0.1156
INJECT	1	1.89976769	1.89976769	9.18	0.0036
TUMBLE	3	0.28607763	0.09535921	0.46	0.7106

Table A-37. ANOVA table for trained flavor panel score for connective tissue Amount for *Supraspinatus*

Dependent Variable: CTA

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	1.83088840	0.22886105	1.12	0.3608
Error	61	12.42849255	0.20374578		
Corrected Total	69	14.25938095			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.13351856	0.06675928	0.33	0.7219
BLADE	2	0.04083400	0.02041700	0.10	0.9048
INJECT	1	1.46371389	1.46371389	7.18	0.0094
TUMBLE	3	0.14939895	0.04979965	0.24	0.8650

Table A-38. ANOVA table for trained flavor panel scores for overall tenderness for *Supraspinatus*

Dependent Variable: OT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	3.54808129	0.44351016	1.98	0.0638
Error	61	13.64629966	0.22370983		
Corrected Total	69	17.19438095			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.24300288	0.12150144	0.54	0.5837
BLADE	2	0.76038577	0.38019288	1.70	0.1913
INJECT	1	2.20307761	2.20307761	9.85	0.0026
TUMBLE	3	0.26355155	0.08785052	0.39	0.7587

Table A-39. ANOVA table for trained flavor panel scores for overall flavor intensity for *Supraspinatus*

Dependent Variable: FINTENS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	2.08080787	0.26010098	2.97	0.0071
Error	61	5.33690642	0.08749027		
Corrected Total	69	7.41771429			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.03254817	0.01627408	0.19	0.8307
BLADE	2	0.72356656	0.36178328	4.14	0.0207
INJECT	1	1.29682785	1.29682785	14.82	0.0003
TUMBLE	3	0.02397194	0.00799065	0.09	0.9645

Table A-40. ANOVA table for trained flavor panel scores for beefy/brothy flavor aromatics for *Supraspinatus*

Dependent Variable: BEEFY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.55606244	0.06950780	2.47	0.0216
Error	61	1.71347724	0.02808979		
Corrected Total	69	2.26953968			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.12988573	0.06494286	2.31	0.1077
BLADE	2	0.31488004	0.15744002	5.60	0.0058
INJECT	1	0.01867331	0.01867331	0.66	0.4181
TUMBLE	3	0.09108100	0.03036033	1.08	0.3640

Table A-41. ANOVA table for trained flavor panel scores for serumy bloody flavor aromatics for *Supraspinatus*

Dependent Variable: BLOODY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.44214903	0.05526863	0.79	0.6102
Error	61	4.24801367	0.06963957		
Corrected Total	69	4.69016270			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.26341754	0.13170877	1.89	0.1596
BLADE	2	0.00966770	0.00483385	0.07	0.9330
INJECT	1	0.03710880	0.03710880	0.53	0.4682
TUMBLE	3	0.16322471	0.05440824	0.78	0.5090

Table A-42. ANOVA table for trained flavor panel scores for liver flavor aromatics for *Supraspinatus*

Dependent Variable: LIVER

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.24953900	0.03119237	0.32	0.9573
Error	61	6.03173084	0.09888083		
Corrected Total	69	6.28126984			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.17800271	0.08900136	0.90	0.4119
BLADE	2	0.02131877	0.01065938	0.11	0.8980
INJECT	1	0.03154046	0.03154046	0.32	0.5743
TUMBLE	3	0.01066347	0.00355449	0.04	0.9908

Table A-43. ANOVA table for trained flavor panel scores for grassy musty flavor aromatics for *Supraspinatus*

Dependent Variable: MUSTY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	1.06174516	0.13271815	0.60	0.7712
Error	61	13.41022309	0.21983972		
Corrected Total	69	14.47196825			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.36571767	0.18285883	0.83	0.4401
BLADE	2	0.49370351	0.24685175	1.12	0.3320
INJECT	1	0.18257948	0.18257948	0.83	0.3657
TUMBLE	3	0.04768884	0.01589628	0.07	0.9746

Table A-44. ANOVA table for trained flavor panel scores for soda flavor aromatics for *Supraspinatus*

Dependent Variable: SODA

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.04798305	0.00599788	1.64	0.1329
Error	61	0.22344552	0.00366304		
Corrected Total	69	0.27142857			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.02358912	0.01179456	3.22	0.0468
BLADE	2	0.00003686	0.00001843	0.01	0.9950
INJECT	1	0.02340276	0.02340276	6.39	0.0141
TUMBLE	3	0.00134121	0.00044707	0.12	0.9468

Table A-45. ANOVA table for trained flavor panel scores for salt basic tastes for *Supraspinatus*

Dependent Variable: SALT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	5.64884497	0.70610562	5.29	0.0001
Error	61	8.14973043	0.13360214		
Corrected Total	69	13.79857540			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.09397859	0.04698930	0.35	0.7049
BLADE	2	0.16695570	0.08347785	0.62	0.5387
INJECT	1	4.90220115	4.90220115	36.69	0.0001
TUMBLE	3	0.34318924	0.11439641	0.86	0.4687

Table A-46. ANOVA table for trained flavor panel scores for chemical flavor aromatics for *Supraspinatus*

Dependent Variable: CHEM

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.30640688	0.03830086	1.79	0.0972
Error	61	1.30764471	0.02143680		
Corrected Total	69	1.61405159			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.14251778	0.07125889	3.32	0.0426
BLADE	2	0.04106937	0.02053469	0.96	0.3894
INJECT	1	0.08826166	0.08826166	4.12	0.0468
TUMBLE	3	0.04083405	0.01361135	0.63	0.5953

Table A-47. ANOVA table for trained flavor panel scores for bitter basic tastes for *Supraspinatus*

Dependent Variable: BITTER

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	1.81828439	0.22728555	3.72	0.0013
Error	61	3.72249339	0.06102448		
Corrected Total	69	5.54077778			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.71982920	0.35991460	5.90	0.0046
BLADE	2	0.63718251	0.31859125	5.22	0.0081
INJECT	1	0.36756424	0.36756424	6.02	0.0170
TUMBLE	3	0.10348670	0.03449557	0.57	0.6400

Table A-48. ANOVA table for trained flavor panel scores for soapy mouthfeels for *Supraspinatus*

Dependent Variable: SOAPY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.21297955	0.02662244	0.55	0.8178
Error	61	2.97892918	0.04883490		
Corrected Total	69	3.19190873			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.06454840	0.03227420	0.66	0.5201
BLADE	2	0.03781175	0.01890588	0.39	0.6807
INJECT	1	0.03574971	0.03574971	0.73	0.3956
TUMBLE	3	0.07165667	0.02388556	0.49	0.6911

Table A-49. ANOVA table for trained flavor panel scores for metallic mouthfeels for *Supraspinatus*

Dependent Variable: METAL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	0.24139815	0.03017477	0.39	0.9201
Error	61	4.68091931	0.07673638		
Corrected Total	69	4.92231746			

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.02728948	0.01364474	0.18	0.8375
BLADE	2	0.07697926	0.03848963	0.50	0.6080
INJECT	1	0.04126336	0.04126336	0.54	0.4662
TUMBLE	3	0.09827098	0.03275699	0.43	0.7344

Table A-50. ANOVA table for package purge (%) for *Triceps brachii*

Dependent Variable: PPURGE

Source	DF	Sum of Squares	Mean Square
Model	20	126.33310511	6.31665526
Error	274	1088.92732675	3.97418732
Corrected Total	294	1215.26043187	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	1.80609576	0.90304788	0.23	0.7969
DAY	4	35.08559413	8.77139853	2.21	0.0685
BLADE	2	4.76675306	2.38337653	0.60	0.5497
INJECT	1	10.57208972	10.57208972	2.66	0.1040
TUMBLE	3	9.03911214	3.01303738	0.76	0.5184
REP*DAY	8	68.74392968	8.59299121	2.16	0.0306

Table A-51. ANOVA table for Warner Bratzler shear force (kg) for *Triceps brachii*

Dependent Variable: SHEAR

Source	DF	Sum of Squares	Mean Square
Model	38	77.08185157	2.02846978
Error	304	129.37936924	0.42559003
Corrected Total	342	206.46122081	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	22.61115189	11.30557595	26.56	0.0001
DAY	4	3.72716600	0.93179150	2.19	0.0701
BLADE	2	1.32960154	0.66480077	1.56	0.2114
INJECT	1	10.60464498	10.60464498	24.92	0.0001
TUMBLE	3	3.07248246	1.02416082	2.41	0.0674
REP*DAY	8	21.96658274	2.74582284	6.45	0.0001
REP*BLADE	4	6.83486986	1.70871747	4.01	0.0034

Table A-52. ANOVA table for cook loss (%) for *Triceps brachii*

Dependent Variable: PCKLOSS

Source	DF	Sum of Squares	Mean Square
Model	31	58627778.48511130	1891218.66081004
Error	310	73022509.87345730	235556.48346277
Corrected Total	341	131650288.35856800	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	313181.03	156590.51	0.66	0.5151
DAY	4	8651588.748	2162897.18	9.18	0.0001
BLADE	2	1276178.49	638089.24	2.71	0.0682
INJECT	1	2160381.64	2160381.67	9.17	0.0027
TUMBLE	3	6508536.90	2169512.30	9.21	0.0001
REP*DAY	8	32532202.40	4066525.30	17.26	0.0001
REP*INJECT	2	2089709.16	1044854.58	4.44	0.0126
REP*TUMBLE	6	3286159.28	547693.21	2.33	0.0328

Table A-53. ANOVA table for cook time (min.) for *Triceps brachii*

Dependent Variable: CKTIME

Source	DF	Sum of Squares	Mean Square
Model	42	3360.02786811	80.00066353
Error	311	3046.97778160	9.79735621
Corrected Total	353	6407.00564972	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	54.71501968	27.35750984	2.79	0.0628
DAY	4	947.70376937	236.92594234	24.18	0.0001
BLADE	2	36.69705526	18.34852763	1.87	0.1554
INJECT	1	1.73192762	1.73192762	0.18	0.6744
TUMBLE	3	19.45918969	6.48639656	0.66	0.5759
REP*DAY	8	1806.48741139	225.81092642	23.05	0.0001
REP*INJE	2	31.83101830	15.91550915	1.62	0.1987

Table A-54. ANOVA table for raw color panel scores for *Triceps brachii*

Dependent Variable: RAW

Source	DF	Sum of Squares	Mean Square
Model	26	101.85848218	3.91763393
Error	330	268.79480136	0.81452970
Corrected Total	356	370.65328354	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	56.29447403	28.14723701	34.56	0.0001
DAY	4	11.76965924	2.94241481	3.61	0.0067
BLADE	2	0.48663917	0.24331959	0.30	0.7420
INJECT	1	1.24470343	1.24470343	1.53	0.2173
TUMBLE	3	9.24627552	3.08209184	3.78	0.0108
BLADE*TUMBLE	6	8.32486859	1.38747810	1.70	0.1194
REP*INJECT	2	6.05340085	3.02670042	3.72	0.0254
REP*TUMBLE	6	9.31800622	1.55300104	1.91	0.0792

Table A-55. ANOVA table for amount of discoloration color panel scores for *Triceps brachii*

Dependent Variable: AMTDIS

Source	DF	Sum of Squares	Mean Square
Model	36	354.48366592	9.84676850
Error	320	384.98738917	1.20308559
Corrected Total	356	739.47105509	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	4.41298665	2.20649332	1.83	0.1614
DAY	4	238.89334705	59.72333676	49.64	0.0001
BLADE	2	0.84764698	0.42382349	0.35	0.7034
INJECT	1	0.03389383	0.03389383	0.03	0.8668
TUMBLE	3	25.18412321	8.39470774	6.98	0.0001
REP*DAY	8	17.51758648	2.18969831	1.82	0.0726
BLADE*TUMBLE	6	18.63978355	3.10663059	2.58	0.0186

Table A-56. ANOVA table for discoloration color panel scores for *Triceps brachii*

Dependent Variable: DISCOLOR

Source	DF	Sum of Squares	Mean Square
Model	24	33.37663198	1.39069300
Error	332	305.63363880	0.92058325
Corrected Total	356	339.01027077	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	9.28448246	4.64224123	5.04	0.0070
DAY	4	2.53777923	0.63444481	0.69	0.5999
BLADE	2	1.33800718	0.66900359	0.73	0.4843
INJECT	1	0.02817113	0.02817113	0.03	0.8612
TUMBLE	3	0.65632652	0.21877551	0.24	0.8701
DAY*TUMBLE	12	19.79512520	1.64959377	1.79	0.0483

Table A-57. ANOVA table for pH values for *Triceps brachii*

Dependent Variable: APH

Source	DF	Sum of Squares	Mean Square
Model	20	48.65933905	2.43296695
Error	323	9.30347345	0.02880332
Corrected Total	343	57.96281250	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	8.73345244	4.36672622	151.60	0.0001
DAY	4	16.77323406	4.19330851	145.58	0.0001
BLADE	2	0.02175491	0.01087746	0.38	0.6858
INJECT	1	0.07402832	0.07402832	2.57	0.1099
TUMBLE	3	0.05375660	0.01791887	0.62	0.6011
REP*DAY	8	21.43140678	2.67892585	93.01	0.0001

Table A-58. ANOVA table for trained flavor panel scores for muscle fiber tenderness for *Triceps brachii*

Dependent Variable: MFT

Source	DF	Sum of Squares	Mean Square
Model	8	4.29408360	0.53676045
Error	59	13.94204691	0.23630588
Corrected Total	67	18.23613051	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.19097772	1.09548886	4.64	0.0135
BLADE	2	0.13604174	0.06802087	0.29	0.7509
INJECT	1	1.52706490	1.52706490	6.46	0.0137
TUMBLE	3	0.64290513	0.21430171	0.91	0.4433

Table A-59. ANOVA table for trained flavor panel scores for overall tenderness for *Triceps brachii*

Dependent Variable: OT

Source	DF	Sum of Squares	Mean Square
Model	8	5.70384428	0.71298054
Error	59	17.99096270	0.30493157
Corrected Total	67	23.69480699	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	3.38726662	1.69363331	5.55	0.0062
BLADE	2	0.15636027	0.07818013	0.26	0.7747
INJECT	1	2.08072516	2.08072516	6.82	0.0114
TUMBLE	3	0.29630469	0.09876823	0.32	0.8081

Table A-60. ANOVA table for trained flavor panel score for connective tissue amount for *Triceps brachii*

Dependent Variable: CTA

Source	DF	Sum of Squares	Mean Square
Model	8	8.17906586	1.02238323
Error	59	20.18397642	0.34210130
Corrected Total	67	28.36304228	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	4.98840292	2.49420146	7.29	0.0015
BLADE	2	0.42979914	0.21489957	0.63	0.5371
INJECT	1	2.78865190	2.78865190	8.15	0.0059
TUMBLE	3	0.34683400	0.11561133	0.34	0.7979

Table A-61. ANOVA table for trained flavor panel scores for juiciness for *Triceps brachii*

Dependent Variable: JUICY

Source	DF	Sum of Squares	Mean Square
Model	8	5.47300690	0.68412586
Error	59	32.03827986	0.54302169
Corrected Total	67	37.51128676	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.35561964	0.17780982	0.33	0.7221
BLADE	2	1.25770103	0.62885052	1.16	0.3211
INJECT	1	0.84164810	0.84164810	1.55	0.2181
TUMBLE	3	3.53899105	1.17966368	2.17	0.1008

Table A-62. ANOVA table for trained flavor panel scores for overall flavor intensity for *Triceps brachii*

Dependent Variable: FINTENS

Source	DF	Sum of Squares	Mean Square
Model	8	1.56468450	0.19558556
Error	59	7.84340373	0.13293905
Corrected Total	67	9.40808824	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.65767885	0.32883942	2.47	0.0930
BLADE	2	0.08398286	0.04199143	0.32	0.7304
INJECT	1	0.68224557	0.68224557	5.13	0.0272
TUMBLE	3	0.16116903	0.05372301	0.40	0.7506

Table A-63. ANOVA table for trained flavor panel scores for beefy/brothy flavor aromatics for *Triceps brachii*

Dependent Variable: BEEFY

Source	DF	Sum of Squares	Mean Square
Model	8	0.75218040	0.09402255
Error	59	3.34836188	0.05675190
Corrected Total	67	4.10054228	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.56211112	0.28105556	4.95	0.0103
BLADE	2	0.15599646	0.07799823	1.37	0.2610
INJECT	1	0.00114917	0.00114917	0.02	0.8873
TUMBLE	3	0.05103055	0.01701018	0.30	0.8255

Table A-64. ANOVA table for cooked beef fat flavor attribute scores for *Triceps brachii*

Dependent Variable: FAT

Source	DF	Sum of Squares	Mean Square
Model	8	0.52554765	0.06569346
Error	59	1.61397441	0.02735550
Corrected Total	67	2.13952206	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.31549846	0.15774923	5.77	0.0052
BLADE	2	0.00758812	0.00379406	0.14	0.8708
INJECT	1	0.00267917	0.00267917	0.10	0.7554
TUMBLE	3	0.22457106	0.07485702	2.74	0.0515

Table A-65. ANOVA table for trained flavor panel scores for liver flavor aromatics for *Triceps brachii*

Dependent Variable: LIVER

Source	DF	Sum of Squares	Mean Square
Model	8	1.19183372	0.14897921
Error	59	2.22768834	0.03775743
Corrected Total	67	3.41952206	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.82560460	0.41280230	10.93	0.0001
BLADE	2	0.02461796	0.01230898	0.33	0.7231
INJECT	1	0.00515497	0.00515497	0.14	0.7131
TUMBLE	3	0.39352303	0.13117434	3.47	0.0215

Table A-66. ANOVA table for trained flavor panel scores for grassy musty flavor aromatics for *Triceps brachii*

Dependent Variable: MUSTY

Source	DF	Sum of Squares	Mean Square
Model	8	1.41278899	0.17659862
Error	59	10.22879190	0.17336935
Corrected Total	67	11.64158088	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.16568103	0.08284051	0.48	0.6225
BLADE	2	0.69194784	0.34597392	2.00	0.1450
INJECT	1	0.01858011	0.01858011	0.11	0.7445
TUMBLE	3	0.59774739	0.19924913	1.15	0.3368

Table A-67. ANOVA table for trained flavor panel scores for chemical flavor aromatics for *Triceps brachii*

Dependent Variable: CHEM

Source	DF	Sum of Squares	Mean Square
Model	8	0.21838676	0.02729835
Error	59	0.62293677	0.01055825
Corrected Total	67	0.84132353	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.00115191	0.00057596	0.05	0.9470
BLADE	2	0.02635050	0.01317525	1.25	0.2946
INJECT	1	0.16072749	0.16072749	15.22	0.0002
TUMBLE	3	0.02035530	0.00678510	0.64	0.5907

Table A-68. ANOVA table for trained flavor panel scores for salt basic tastes for *Triceps brachii*

Dependent Variable: SALT

Source	DF	Sum of Squares	Mean Square
Model	8	9.61185013	1.20148127
Error	59	10.51428038	0.17820814
Corrected Total	67	20.12613051	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.15905272	0.07952636	0.45	0.6422
BLADE	2	0.83094957	0.41547479	2.33	0.1060
INJECT	1	7.89595255	7.89595255	44.31	0.0001
TUMBLE	3	0.39125239	0.13041746	0.73	0.5371

Table A-69. ANOVA table for trained flavor panel scores for bitter basic tastes for *Triceps brachii*

Dependent Variable: BITTER

Source	DF	Sum of Squares	Mean Square
Model	8	0.36191584	0.04523948
Error	59	3.96337828	0.06717590
Corrected Total	67	4.32529412	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.04870441	0.02435221	0.36	0.6975
BLADE	2	0.13313484	0.06656742	0.99	0.3773
INJECT	1	0.00127016	0.00127016	0.02	0.8911
TUMBLE	3	0.18746539	0.06248846	0.93	0.4319

Table A-70. ANOVA table for trained flavor panel scores for chemical burn flavor aromatics for *Triceps brachii*

Dependent Variable: CHBURN

Source	DF	Sum of Squares	Mean Square
Model	8	0.96064666	0.12008083
Error	59	5.91567687	0.10026571
Corrected Total	67	6.87632353	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.54578319	0.27289160	2.72	0.0740
BLADE	2	0.30917871	0.15458936	1.54	0.2225
INJECT	1	0.00222420	0.00222420	0.02	0.8821
TUMBLE	3	0.08546556	0.02848852	0.28	0.8367

Table A-71. ANOVA table for trained flavor panel scores for soapy mouthfeels for *Triceps brachii*

Dependent Variable: SOAPY

Source	DF	Sum of Squares	Mean Square
Model	8	0.09343547	0.01167943
Error	59	0.40538806	0.00687098
Corrected Total	67	0.49882353	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.01659185	0.00829592	1.21	0.3063
BLADE	2	0.02294339	0.01147170	1.67	0.1971
INJECT	1	0.02286707	0.02286707	3.33	0.0732
TUMBLE	3	0.02436099	0.00812033	1.18	0.3244

Table A-72. ANOVA table for trained flavor panel scores for metallic mouthfeels for *Triceps brachii*

Dependent Variable: METAL

Source	DF	Sum of Squares	Mean Square
Model	8	3.00638272	0.37579784
Error	59	9.17879192	0.15557274
Corrected Total	67	12.18517463	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.36212788	0.18106394	1.16	0.3193
BLADE	2	0.32589348	0.16294674	1.05	0.3573
INJECT	1	1.63581534	1.63581534	10.51	0.0020
TUMBLE	3	0.56799472	0.18933157	1.22	0.3115

Table A-73. ANOVA table for serumy/bloody flavor attribute scores for *Triceps brachii*

Dependent Variable: BLOODY

Source	DF	Sum of Squares	Mean Square
Model	12	1.75158609	0.14596551
Error	55	3.68072090	0.06692220
Corrected Total	67	5.43230699	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.13583328	0.06791664	1.01	0.3691
BLADE	2	0.21504000	0.10752000	1.61	0.2098
INJECT	1	0.39436677	0.39436677	5.89	0.0185
TUMBLE	3	0.04981507	0.01660502	0.25	0.8623
REP*INJECT	2	0.37164330	0.18582165	2.78	0.0710
BLADE*INJECT	2	0.52901062	0.26450531	3.95	0.0249

Table A-74. ANOVA table for trained flavor panel scores for soda flavor aromatics for *Supraspinatus*

Dependent Variable: SODA

Source	DF	Sum of Squares	Mean Square
Model	16	0.05843000	0.00365187
Error	51	0.09936412	0.00194832
Corrected Total	67	0.15779412	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.00552247	0.00276124	1.42	0.2518
BLADE	2	0.00458325	0.00229162	1.18	0.3167
INJECT	1	0.00151444	0.00151444	0.78	0.3821
TUMBLE	3	0.00965650	0.00321883	1.65	0.1890
REP*INJECT	2	0.01128078	0.00564039	2.90	0.0644
REP*TUMBLE	6	0.02339575	0.00389929	2.00	0.0826

Table A-75. ANOVA table for package purge (%) for *Longissimus dorsi*

Dependent Variable: PPURGE

Source	DF	Sum of Squares	Mean Square
Model	31	92.76712691	2.99248796
Error	270	328.51194836	1.21671092
Corrected Total	301	421.27907527	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	3.87625642	1.93812821	1.59	0.2052
DAY	4	11.25620450	2.81405112	2.31	0.0579
BLADE	2	8.35879694	4.17939847	3.43	0.0336
INJECT	1	1.08608224	1.08608224	0.89	0.3456
TUMBLE	3	15.49082829	5.16360943	4.24	0.0060
BLADE*TUMBLE	6	18.41829127	3.06971521	2.52	0.0216
REP*BLADE	4	10.98555893	2.74638973	2.26	0.0633
REP*TUMBLE	6	16.02166510	2.67027752	2.19	0.0438

Table A-76. ANOVA table for Warner Bratzler shear force (kg) for *Longissimus dorsi*

Dependent Variable: SHEAR

Source	DF	Sum of Squares	Mean Square
Model	26	128.65506892	4.94827188
Error	312	197.45488432	0.63286822
Corrected Total	338	326.10995324	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	33.60414813	16.80207406	26.55	0.0001
DAY	4	27.45458202	6.86364551	10.85	0.0001
BLADE	2	5.17915813	2.58957906	4.09	0.0176
INJECT	1	24.93705529	24.93705529	39.40	0.0001
TUMBLE	3	4.99720049	1.66573350	2.63	0.0501
REP*DAY	8	27.69134263	3.46141783	5.47	0.0001
REP*BLADE	4	8.44232387	2.11058097	3.33	0.0108
REP*INJECT	2	2.64071342	1.32035671	2.09	0.1259

Table A-77. ANOVA table for cook time (min.) for *Longissimus dorsi*

Dependent Variable: CKTIME

Source	DF	Sum of Squares	Mean Square
Model	29	3935.93616437	135.72193670
Error	311	8028.51544854	25.81516221
Corrected Total	340	11964.45161290	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	247.68353420	123.84176710	4.80	0.0089
DAY	4	1856.75811325	464.18952831	17.98	0.0001
BLADE	2	10.60734711	5.30367356	0.21	0.8144
INJECT	1	3.07543634	3.07543634	0.12	0.7302
TUMBLE	3	138.96174361	46.32058120	1.79	0.1482
REP*DAY	8	624.60074320	78.07509290	3.02	0.0028
REP*BLADE	4	507.74734219	126.93683555	4.92	0.0007
REP*INJECT	2	176.41645126	88.20822563	3.42	0.0341

Table A-78. ANOVA table for raw color panel scores for *Longissimus dorsi*

Dependent Variable: RAW

Source	DF	Sum of Squares	Mean Square
Model	32	43.36535043	1.35516720
Error	309	79.25950743	0.25650326
Corrected Total	341	122.62485786	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	6.96288696	3.48144348	13.57	0.0001
DAY	4	1.88400670	0.47100167	1.84	0.1217
BLADE	2	0.24112466	0.12056233	0.47	0.6254
INJECT	1	5.81309513	5.81309513	22.66	0.0001
TUMBLE	3	5.13134289	1.71044763	6.67	0.0002
REP*DAY	8	9.33279371	1.16659921	4.55	0.0001
BLADE*TUMBLE	6	8.74118753	1.45686459	5.68	0.0001
REP*INJECT	2	1.83047658	0.91523829	3.57	0.0294
DAY*INJECT	4	3.10971245	0.77742811	3.03	0.0179

Table A-79. ANOVA table for amount of discoloration color panel scores for *Longissimus dorsi*

Dependent Variable: AMTDIS

Source	DF	Sum of Squares	Mean Square
Model	24	78.94568703	3.28940363
Error	317	223.13074247	0.70388247
Corrected Total	341	302.07642950	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.39566872	1.19783436	1.70	0.1840
DAY	4	29.28925497	7.32231374	10.40	0.0001
BLADE	2	0.35846492	0.17923246	0.25	0.7754
INJECT	1	1.02745420	1.02745420	1.46	0.2279
TUMBLE	3	7.75613029	2.58537676	3.67	0.0126
REP*DAY	8	18.04624394	2.25578049	3.20	0.0016
BLADE*INJECT	2	7.59860595	3.79930298	5.40	0.0050
REP*INJECT	2	10.52123976	5.26061988	7.47	0.0007

Table A-80. ANOVA table for discoloration color panel scores for *Longissimus dorsi*

Dependent Variable: DISCOLOR

Source	DF	Sum of Squares	Mean Square
Model	28	130.40027771	4.65715278
Error	313	718.63426177	2.29595611
Corrected Total	341	849.03453947	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	1.34877338	0.67438669	0.29	0.7457
DAY	4	3.71109903	0.92777476	0.40	0.8057
BLADE	2	3.63770923	1.81885461	0.79	0.4538
INJECT	1	31.24120585	31.24120585	13.61	0.0003
TUMBLE	3	7.90818893	2.63606298	1.15	0.3298
REP*DAY	8	36.86702625	4.60837828	2.01	0.0452
BLADE*TUMBLE	6	28.11973610	4.68662268	2.04	0.0600
REP*INJECT	2	16.43758839	8.21879420	3.58	0.0290

Table A-81. ANOVA table for pH values for *Longissimus dorsi*

Dependent Variable: APH

Source	DF	Sum of Squares	Mean Square
Model	20	35.79136699	1.78956835
Error	301	5.33433239	0.01772203
Corrected Total	321	41.12569938	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	4.74740730	2.37370365	133.94	0.0001
DAY	4	9.54214645	2.38553661	134.61	0.0001
BLADE	2	0.01857281	0.00928640	0.52	0.5927
INJECT	1	2.79648678	2.79648678	157.80	0.0001
TUMBLE	3	0.01777048	0.00592349	0.33	0.8006
REP*DAY	8	15.03529808	1.87941226	106.05	0.0001

Table A-82. ANOVA table for trained flavor panel scores for muscle fiber tenderness for *Longissimus dorsi*

Dependent Variable: MFT

Source	DF	Sum of Squares	Mean Square
Model	8	10.83722765	1.35465346
Error	52	15.89869220	0.30574408
Corrected Total	60	26.73591985	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	1.10152610	0.55076305	1.80	0.1752
BLADE	2	0.50314382	0.25157191	0.82	0.4448
INJECT	1	5.62650154	5.62650154	18.40	0.0001
TUMBLE	3	2.59028511	0.86342837	2.82	0.0476

Table A-83. ANOVA table for trained flavor panel score for connective tissue amount for *Longissimus dorsi*

Dependent Variable: CTA

Source	DF	Sum of Squares	Mean Square
Model	8	7.11745085	0.88968136
Error	52	15.70305006	0.30198173
Corrected Total	60	22.82050091	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.15149756	0.07574878	0.25	0.7791
BLADE	2	0.52263871	0.26131935	0.87	0.4269
INJECT	1	4.19329614	4.19329614	13.89	0.0005
TUMBLE	3	1.75116414	0.58372138	1.93	0.1357

Table A-84. ANOVA table for trained flavor panel scores for juiciness for *Longissimus dorsi*

Dependent Variable: JUICY

Source	DF	Sum of Squares	Mean Square
Model	8	4.60659341	0.57582418
Error	52	12.76039202	0.24539215
Corrected Total	60	17.36698543	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	1.23565146	0.61782573	2.52	0.0904
BLADE	2	0.58077312	0.29038656	1.18	0.3144
INJECT	1	0.80990937	0.80990937	3.30	0.0750
TUMBLE	3	1.73359579	0.57786526	2.35	0.0826

Table A-85. ANOVA table for cooked beef fat flavor attribute scores for *Longissimus dorsi*

Dependent Variable: FAT

Source	DF	Sum of Squares	Mean Square
Model	8	0.28623007	0.03577876
Error	52	0.86393386	0.01661411
Corrected Total	60	1.15016393	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.18357489	0.09178745	5.52	0.0067
BLADE	2	0.03321300	0.01660650	1.00	0.3750
INJECT	1	0.07290196	0.07290196	4.39	0.0411
TUMBLE	3	0.01076519	0.00358840	0.22	0.8849

Table A-86. ANOVA table for serumy/bloody flavor attribute scores for *Longissimus dorsi*

Dependent Variable: BLOODY

Source	DF	Sum of Squares	Mean Square
Model	8	3.34321089	0.41790136
Error	52	2.75607873	0.05300151
Corrected Total	60	6.09928962	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.12542826	0.06271413	1.18	0.3144
BLADE	2	0.18473706	0.09236853	1.74	0.1851
INJECT	1	2.44021702	2.44021702	46.04	0.0001
TUMBLE	3	0.51583435	0.17194478	3.24	0.0292

Table A-87. ANOVA table for trained flavor panel scores for liver flavor aromatics for *Longissimus dorsi*

Dependent Variable: LIVER

Source	DF	Sum of Squares	Mean Square
Model	8	0.05798419	0.00724802
Error	52	0.41373712	0.00795648
Corrected Total	60	0.47172131	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.00372794	0.00186397	0.23	0.7920
BLADE	2	0.04485767	0.02242884	2.82	0.0688
INJECT	1	0.00166695	0.00166695	0.21	0.6491
TUMBLE	3	0.01018608	0.00339536	0.43	0.7347

Table A-88. ANOVA table for trained flavor panel scores for grassy musty flavor aromatics for *Longissimus dorsi*

Dependent Variable: MUSTY

Source	DF	Sum of Squares	Mean Square
Model	8	0.99616036	0.12452004
Error	52	3.11265567	0.05985876
Corrected Total	60	4.1088160	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.37137345	0.18568672	3.10	0.0534
BLADE	2	0.33162017	0.16581008	2.77	0.0719
INJECT	1	0.00026695	0.00026695	0.00	0.9470
TUMBLE	3	0.23901160	0.07967053	1.33	0.2743

Table A-89. ANOVA table for trained flavor panel scores for chemical flavor aromatics for *Longissimus dorsi*

Dependent Variable: CHEM

Source	DF	Sum of Squares	Mean Square
Model	8	1.09344120	0.13668015
Error	52	0.57344404	0.01102777
Corrected Total	60	1.66688525	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.07756291	0.03878146	3.52	0.0369
BLADE	2	0.00634317	0.00317159	0.29	0.7512
INJECT	1	0.98882326	0.98882326	89.67	0.0001
TUMBLE	3	0.03063731	0.01021244	0.93	0.4348

Table A-90. ANOVA table for trained flavor panel scores for salt basic tastes for *Longissimus dorsi*

Dependent Variable: SALT

Source	DF	Sum of Squares	Mean Square
Model	8	40.64286561	5.08035820
Error	52	10.32164259	0.19849313
Corrected Total	60	50.96450820	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.26298096	0.13149048	0.66	0.5199
BLADE	2	0.09994246	0.04997123	0.25	0.7784
INJECT	1	38.72441486	38.72441486	195.09	0.0001
TUMBLE	3	0.67149215	0.22383072	1.13	0.3465

Table A-91. ANOVA table for trained flavor panel scores for soapy mouthfeels for *Longissimus dorsi*

Dependent Variable: SOAPY

Source	DF	Sum of Squares	Mean Square
Model	8	0.09192275	0.01149034
Error	52	0.57545430	0.01106643
Corrected Total	60	0.66737705	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.04207172	0.02103586	1.90	0.1597
BLADE	2	0.00313123	0.00156561	0.14	0.8684
INJECT	1	0.01067957	0.01067957	0.97	0.3305
TUMBLE	3	0.03741881	0.01247294	1.13	0.3467

Table A-92. ANOVA table for trained flavor panel scores for metallic mouthfeels for *Longissimus dorsi*

Dependent Variable: METAL

Source	DF	Sum of Squares	Mean Square
Model	8	4.57110279	0.57138785
Error	52	2.69510851	0.05182901
Corrected Total	60	7.26621129	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.43521390	0.21760695	4.20	0.020
BLADE	2	0.24813313	0.12406657	2.39	0.1013
INJECT	1	3.64148305	3.64148305	70.26	0.0001
TUMBLE	3	0.13379064	0.04459688	0.86	0.467

Table A-93. ANOVA table for trained flavor panel scores for overall flavor intensity for *Longissimus dorsi*

Dependent Variable: FINTENS

Source	DF	Sum of Squares	Mean Square
Model	23	20.51772676	0.89207508
Error	37	2.93169947	0.07923512
Corrected Total	60	23.44942623	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	2.36838381	1.18419191	14.95	0.0001
BLADE	2	0.92641962	0.46320981	5.85	0.0062
INJECT	1	12.77057939	12.77057939	161.17	0.0001
TUMBLE	3	1.30214012	0.43404671	5.48	0.0032
REP*TUMBLE	6	1.35149329	0.22524888	2.84	0.0223
INJECT*TUMBLE	3	0.64509601	0.21503200	2.71	0.0587
BLADE*TUMBLE	6	1.38788075	0.23131346	2.92	0.0197

Table A-94. ANOVA table for trained flavor panel scores for beefy/brothy flavor aromatics for *Longissimus dorsi*

Dependent Variable: BEEFY

Source	DF	Sum of Squares	Mean Square
Model	12	5.31905483	0.44325457
Error	48	2.37961548	0.04957532
Corrected Total	60	7.69867031	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	3.14454716	1.57227358	31.71	0.0001
BLADE	2	0.03123478	0.01561739	0.32	0.7313
INJECT	1	0.53562885	0.53562885	10.80	0.0019
TUMBLE	3	0.43847664	0.14615888	2.95	0.0420
REP*INJECT	2	0.59699553	0.29849777	6.02	0.0046
BLADE*INJECT	2	0.38105639	0.19052820	3.84	0.0283

Table A-95. ANOVA table for trained flavor panel scores for bitter basic tastes for *Longissimus dorsi*

Dependent Variable: BITTER

Source	DF	Sum of Squares	Mean Square
Model	11	1.15650052	0.10513641
Error	49	1.57849948	0.03221428
Corrected Total	60	2.73500000	

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REP	2	0.30379149	0.15189575	4.72	0.0134
BLADE	2	0.01826163	0.00913081	0.28	0.7544
INJECT	1	0.23096988	0.23096988	7.17	0.0101
TUMBLE	3	0.21596422	0.07198807	2.23	0.0959
INJECT*TUMBLE	3	0.34880249	0.11626750	3.61	0.0196

APPENDIX B

RAW DATA

DATE	REP	DAY	MUSCLE	TRMT	INJECT	BLADE	TUMBLE	LAVE	AAVE	BAVE
10/30/2002	1	1	BF	1	N	0	0	41.93	23.50	10.22
10/30/2002	1	1	BF	2	I	0	0	47.04	15.89	8.12
10/30/2002	1	1	BF	3	I	1	0	50.63	16.33	9.26
10/30/2002	1	1	BF	4	I	2	0	42.17	20.07	8.34
10/30/2002	1	1	BF	5	I	0	5	42.55	18.54	6.93
10/30/2002	1	1	BF	6	I	1	5	45.87	10.94	5.67
10/30/2002	1	1	BF	7	I	2	5	38.35	17.47	6.02
10/30/2002	1	1	BF	8	I	0	10	44.30	16.99	8.80
10/30/2002	1	1	BF	9	I	1	10	47.33	18.49	9.35
10/30/2002	1	1	BF	10	I	2	10	43.91	19.41	9.74
10/30/2002	1	1	BF	11	I	0	20	53.48	16.04	10.97
10/30/2002	1	1	BF	12	I	1	20	43.81	20.12	9.27
10/30/2002	1	1	BF	13	I	2	20	43.36	17.25	7.96
10/30/2002	1	1	BF	14	N	1	0	45.16	14.24	7.40
10/30/2002	1	1	BF	15	N	2	0	42.77	16.59	8.26
10/30/2002	1	1	BF	16	N	0	5	50.45	17.15	8.94
10/30/2002	1	1	BF	17	N	1	5	49.97	14.91	9.28
10/30/2002	1	1	BF	18	N	2	5	46.61	15.64	6.93
10/30/2002	1	1	BF	19	N	0	10	44.94	21.90	9.28
10/30/2002	1	1	BF	20	N	1	10	48.19	16.74	7.12
10/30/2002	1	1	BF	21	N	2	10	50.49	20.99	11.23
10/30/2002	1	1	BF	22	N	0	20	49.94	18.15	9.64
10/30/2002	1	1	BF	23	N	1	20	45.44	21.84	9.31
10/30/2002	1	1	BF	24	N	2	20	40.95	14.54	7.20
10/30/2002	1	1	CT	1	N	0	0	36.59	17.18	6.20
10/30/2002	1	1	CT	2	I	0	0	39.01	24.61	9.52
10/30/2002	1	1	CT	3	I	1	0	41.94	16.01	6.63
10/30/2002	1	1	CT	4	I	2	0	41.98	23.08	9.00
10/30/2002	1	1	CT	5	I	0	5	37.78	16.54	5.41
10/30/2002	1	1	CT	6	I	1	5	39.59	23.21	9.65
10/30/2002	1	1	CT	7	I	2	5	37.56	17.99	5.89
10/30/2002	1	1	CT	8	I	0	10	39.93	21.28	8.63
10/30/2002	1	1	CT	9	I	1	10	42.59	19.08	6.99
10/30/2002	1	1	CT	10	I	2	10	40.62	15.88	5.67
10/30/2002	1	1	CT	11	I	0	20	40.96	20.03	7.63
10/30/2002	1	1	CT	12	I	1	20	39.74	20.08	7.90
10/30/2002	1	1	CT	13	I	2	20	33.76	17.63	4.12
10/30/2002	1	1	CT	14	N	1	0	36.76	15.65	3.93
10/30/2002	1	1	CT	15	N	2	0	43.11	24.57	10.23
10/30/2002	1	1	CT	16	N	0	5	45.45	21.33	8.77

10/30/2002	1	1	CT	17	N	1	5	48.01	24.12	10.17
10/30/2002	1	1	CT	18	N	2	5	44.71	23.02	9.76
10/30/2002	1	1	CT	19	N	0	10	43.62	22.29	9.30
10/30/2002	1	1	CT	20	N	1	10	47.98	21.27	10.47
10/30/2002	1	1	CT	21	N	2	10	39.61	19.16	6.61
10/30/2002	1	1	CT	22	N	0	20	43.96	21.69	8.20
10/30/2002	1	1	CT	23	N	1	20	39.65	24.50	10.00
10/30/2002	1	1	CT	24	N	2	20	42.85	22.02	9.57
11/1/2002	1	3	CT	1	N	0	0	44.58	20.79	7.79
11/1/2002	1	3	CT	2	I	0	0	42.79	18.55	6.70
11/1/2002	1	3	CT	3	I	1	0	46.86	17.22	6.54
11/1/2002	1	3	CT	4	I	2	0	44.76	20.99	8.32
11/1/2002	1	3	CT	5	I	0	5	41.24	20.62	7.71
11/1/2002	1	3	CT	6	I	1	5	45.54	19.10	6.89
11/1/2002	1	3	CT	7	I	2	5	45.80	17.91	6.42
11/1/2002	1	3	CT	8	I	0	10	43.91	17.50	5.80
11/1/2002	1	3	CT	9	I	1	10	47.93	20.34	7.95
11/1/2002	1	3	CT	10	I	2	10	44.68	15.38	5.64
11/1/2002	1	3	CT	11	I	0	20	45.34	17.44	6.04
11/1/2002	1	3	CT	12	I	1	20	40.76	16.55	5.51
11/1/2002	1	3	CT	13	I	2	20	42.65	19.83	7.34
11/1/2002	1	3	CT	14	N	1	0	43.23	17.92	6.13
11/1/2002	1	3	CT	15	N	2	0	47.46	16.49	5.89
11/1/2002	1	3	CT	16	N	0	5	48.19	22.25	8.63
11/1/2002	1	3	CT	17	N	1	5	47.25	25.48	9.92
11/1/2002	1	3	CT	18	N	2	5	47.50	20.47	7.27
11/1/2002	1	3	CT	19	N	0	10	46.31	18.92	6.62
11/1/2002	1	3	CT	20	N	1	10	44.92	19.75	7.53
11/1/2002	1	3	CT	21	N	2	10	43.80	23.45	8.70
11/1/2002	1	3	CT	22	N	0	20	43.12	19.02	6.58
11/1/2002	1	3	CT	23	N	1	20	47.16	21.15	7.95
11/1/2002	1	3	CT	24	N	2	20	42.23	19.36	7.21
11/1/2002	1	3	BF	1	N	0	0	48.51	17.10	8.37
11/1/2002	1	3	BF	2	I	0	0	46.10	13.18	6.75
11/1/2002	1	3	BF	3	I	1	0	48.32	14.55	7.47
11/1/2002	1	3	BF	4	I	2	0	51.71	14.49	9.01
11/1/2002	1	3	BF	5	I	0	5	39.43	14.28	5.07
11/1/2002	1	3	BF	6	I	1	5	43.88	17.49	7.89
11/1/2002	1	3	BF	7	I	2	5	.	.	.
11/1/2002	1	3	BF	8	I	0	10	45.09	17.94	8.11
11/1/2002	1	3	BF	9	I	1	10	44.16	17.36	7.48
11/1/2002	1	3	BF	10	I	2	10	43.73	13.96	5.36
11/1/2002	1	3	BF	11	I	0	20	52.21	15.61	7.22

11/1/2002	1	3	BF	12	I	1	20	51.15	12.64	7.19
11/1/2002	1	3	BF	13	I	2	20	50.31	15.33	7.32
11/1/2002	1	3	BF	14	N	1	0	45.38	16.73	7.27
11/1/2002	1	3	BF	15	N	2	0	47.35	15.66	6.87
11/1/2002	1	3	BF	16	N	0	5	46.77	19.00	7.50
11/1/2002	1	3	BF	17	N	1	5	53.45	12.31	7.98
11/1/2002	1	3	BF	18	N	2	5	53.01	15.91	8.72
11/1/2002	1	3	BF	19	N	0	10	.	.	.
11/1/2002	1	3	BF	20	N	1	20	46.86	15.28	7.56
11/1/2002	1	3	BF	21	N	2	20	52.98	16.49	9.12
11/1/2002	1	3	BF	22	N	0	20	52.38	14.03	8.05
11/1/2002	1	3	BF	23	N	1	20	50.78	15.85	6.29
11/1/2002	1	3	BF	24	N	2	20	43.91	13.83	4.67
11/5/2002	1	7	BF	1	N	0	0	43.69	19.03	8.64
11/5/2002	1	7	BF	2	I	0	0	43.28	15.76	7.23
11/5/2002	1	7	BF	3	I	1	0	42.65	13.18	5.81
11/5/2002	1	7	BF	4	I	2	0	43.14	18.66	9.48
11/5/2002	1	7	BF	5	I	0	5	47.38	11.21	6.50
11/5/2002	1	7	BF	6	I	1	5	43.45	17.65	8.29
11/5/2002	1	7	BF	7	I	2	5	48.08	18.59	9.94
11/5/2002	1	7	BF	8	I	0	10	46.81	13.83	6.28
11/5/2002	1	7	BF	9	I	1	10	45.16	13.89	8.47
11/5/2002	1	7	BF	10	I	2	10	48.17	12.43	9.42
11/5/2002	1	7	BF	11	I	0	20	43.67	16.31	6.81
11/5/2002	1	7	BF	12	I	1	20	49.17	12.85	8.63
11/5/2002	1	7	BF	13	I	2	20	53.45	15.56	8.61
11/5/2002	1	7	BF	14	N	1	0	49.01	17.90	9.12
11/5/2002	1	7	BF	15	N	2	0	41.19	19.18	8.14
11/5/2002	1	7	BF	16	N	0	5	51.61	14.94	7.61
11/5/2002	1	7	BF	17	N	1	5	46.49	17.48	8.91
11/5/2002	1	7	BF	18	N	2	5	47.20	18.41	9.48
11/5/2002	1	7	BF	19	N	0	10	49.00	19.19	10.76
11/5/2002	1	7	BF	20	N	1	10	50.54	16.02	8.23
11/5/2002	1	7	BF	21	N	2	10	50.02	17.49	8.13
11/5/2002	1	7	BF	22	N	0	20	54.34	10.54	9.28
11/5/2002	1	7	BF	23	N	1	20	52.43	14.32	8.84
11/5/2002	1	7	BF	24	N	2	20	42.96	15.46	6.86
11/5/2002	1	7	CT	1	N	0	0	45.97	20.75	8.22
11/5/2002	1	7	CT	2	I	0	0	43.14	20.48	7.69
11/5/2002	1	7	CT	3	I	1	0	47.02	17.64	6.56
11/5/2002	1	7	CT	4	I	2	0	44.53	19.25	7.53
11/5/2002	1	7	CT	5	I	0	5	44.39	19.35	6.90
11/5/2002	1	7	CT	6	I	1	5	45.79	20.45	7.36

11/5/2002	1	7	CT	7	I	2	5	38.69	20.48	7.62
11/5/2002	1	7	CT	8	I	0	10	39.28	16.37	5.56
11/5/2002	1	7	CT	9	I	1	10	46.42	17.25	6.77
11/5/2002	1	7	CT	10	I	2	10	45.18	15.59	6.32
11/5/2002	1	7	CT	11	I	0	20	42.66	21.01	7.99
11/5/2002	1	7	CT	12	I	1	20	43.79	17.13	7.73
11/5/2002	1	7	CT	13	I	2	20	42.44	18.59	6.68
11/5/2002	1	7	CT	14	N	1	0	42.03	20.91	7.49
11/5/2002	1	7	CT	15	N	2	0	47.44	18.97	6.96
11/5/2002	1	7	CT	16	N	0	5	46.83	20.96	7.95
11/5/2002	1	7	CT	17	N	1	5	49.80	23.62	9.31
11/5/2002	1	7	CT	18	N	2	5	48.85	16.96	7.14
11/5/2002	1	7	CT	19	N	0	10	46.15	22.71	8.57
11/5/2002	1	7	CT	20	N	1	10	43.29	18.19	7.69
11/5/2002	1	7	CT	21	N	2	10	47.88	20.86	8.68
11/5/2002	1	7	CT	22	N	0	20	42.69	23.43	8.91
11/5/2002	1	7	CT	23	N	1	20	44.52	25.73	9.71
11/5/2002	1	7	CT	24	N	2	20	45.46	17.80	7.17
11/8/2002	1	10	CT	1	N	0	0	43.39	18.73	7.05
11/8/2002	1	10	CT	2	I	0	0	.	.	.
11/8/2002	1	10	CT	3	I	1	0	46.72	20.05	8.40
11/8/2002	1	10	CT	4	I	2	0	44.32	18.55	7.75
11/8/2002	1	10	CT	5	I	0	5	43.48	24.31	8.59
11/8/2002	1	10	CT	6	I	1	5	46.87	16.60	6.71
11/8/2002	1	10	CT	7	I	2	5	40.13	19.04	6.44
11/8/2002	1	10	CT	8	I	0	10	40.98	20.93	7.74
11/8/2002	1	10	CT	9	I	1	10	46.72	18.97	7.61
11/8/2002	1	10	CT	10	I	2	10	45.56	18.90	8.08
11/8/2002	1	10	CT	11	I	0	20	43.98	18.48	7.21
11/8/2002	1	10	CT	12	I	1	20	42.73	18.98	6.95
11/8/2002	1	10	CT	13	I	2	20	44.36	19.10	7.35
11/8/2002	1	10	CT	14	N	1	0	43.15	23.21	8.99
11/8/2002	1	10	CT	15	N	2	0	46.13	21.69	8.60
11/8/2002	1	10	CT	16	N	0	5	49.90	24.02	9.38
11/8/2002	1	10	CT	17	N	1	5	47.92	26.01	10.54
11/8/2002	1	10	CT	18	N	2	5	45.15	24.42	9.63
11/8/2002	1	10	CT	19	N	0	10	43.04	17.16	6.78
11/8/2002	1	10	CT	20	N	1	10	43.36	21.68	8.47
11/8/2002	1	10	CT	21	N	2	10	45.76	24.35	9.29
11/8/2002	1	10	CT	22	N	0	20	43.23	24.87	9.09
11/8/2002	1	10	CT	23	N	1	20	44.64	20.19	7.88
11/8/2002	1	10	CT	24	N	2	20	42.66	18.80	7.41
11/8/2002	1	10	BF	1	N	0	0	.	.	.

11/8/2002	1	10	BF	2	I	0	0	44.18	16.37	7.79
11/8/2002	1	10	BF	3	I	1	0	48.73	13.78	7.13
11/8/2002	1	10	BF	4	I	2	0	49.36	13.22	8.17
11/8/2002	1	10	BF	5	I	0	5	41.10	11.71	6.32
11/8/2002	1	10	BF	6	I	1	5	43.01	15.30	7.91
11/8/2002	1	10	BF	7	I	2	5	.	.	.
11/8/2002	1	10	BF	8	I	0	10	.	.	.
11/8/2002	1	10	BF	9	I	1	10	46.26	15.67	8.52
11/8/2002	1	10	BF	10	I	2	10	43.86	12.84	7.13
11/8/2002	1	10	BF	11	I	0	20	.	.	.
11/8/2002	1	10	BF	12	I	1	20	45.31	8.48	8.55
11/8/2002	1	10	BF	13	I	2	20	48.19	12.13	6.86
11/8/2002	1	10	BF	14	N	1	0	46.39	16.68	8.83
11/8/2002	1	10	BF	15	N	2	0	48.16	14.33	6.73
11/8/2002	1	10	BF	16	N	0	5	.	.	.
11/8/2002	1	10	BF	17	N	1	5	48.60	13.37	8.89
11/8/2002	1	10	BF	18	N	2	5	47.15	20.28	10.09
11/8/2002	1	10	BF	19	N	0	10	47.15	20.28	10.09
11/8/2002	1	10	BF	20	N	1	10	46.61	17.43	8.34
11/8/2002	1	10	BF	21	N	2	10	48.07	19.85	9.93
11/8/2002	1	10	BF	22	N	0	20	52.27	12.70	9.57
11/8/2002	1	10	BF	23	N	1	20	51.35	12.80	9.44
11/8/2002	1	10	BF	24	N	2	20	39.25	16.23	6.33
11/18/2002	1	14	CT	1	N	0	0	44.83	13.92	4.95
11/18/2002	1	14	CT	2	I	0	0	45.18	14.44	6.10
11/18/2002	1	14	CT	3	I	1	0	47.93	18.41	7.38
11/18/2002	1	14	CT	4	I	2	0	45.21	18.32	6.40
11/18/2002	1	14	CT	5	I	0	5	44.17	22.86	7.98
11/18/2002	1	14	CT	6	I	1	5	43.70	17.72	6.09
11/18/2002	1	14	CT	7	I	2	5	44.70	20.79	6.87
11/18/2002	1	14	CT	8	I	0	10	44.20	23.36	8.21
11/18/2002	1	14	CT	9	I	1	10	47.71	19.52	7.56
11/18/2002	1	14	CT	10	I	2	10	44.48	17.24	5.84
11/18/2002	1	14	CT	11	I	0	20	46.46	20.24	6.99
11/18/2002	1	14	CT	12	I	1	20	43.91	15.54	4.97
11/18/2002	1	14	CT	13	I	2	20	46.60	18.63	5.95
11/18/2002	1	14	CT	14	N	1	0	.	.	.
11/18/2002	1	14	CT	15	N	2	0	46.68	20.88	7.88
11/18/2002	1	14	CT	16	N	0	5	52.33	23.56	9.66
11/18/2002	1	14	CT	17	N	1	5	48.65	27.14	10.59
11/18/2002	1	14	CT	18	N	2	5	48.50	18.61	8.05
11/18/2002	1	14	CT	19	N	0	10	46.48	22.48	8.33
11/18/2002	1	14	CT	20	N	1	10	.	.	.

11/18/2002	1	14	CT	21	N	2	10	49.87	25.11	9.86
11/18/2002	1	14	CT	22	N	0	20	43.77	21.93	7.78
11/18/2002	1	14	CT	23	N	1	20	47.77	21.74	7.81
11/18/2002	1	14	CT	24	N	2	20	.	.	.
11/18/2002	1	14	BF	1	N	0	0	54.95	10.85	8.25
11/18/2002	1	14	BF	2	I	0	0	46.56	15.84	7.39
11/18/2002	1	14	BF	3	I	1	0	49.78	14.01	6.57
11/18/2002	1	14	BF	4	I	2	0	59.46	9.58	9.66
11/18/2002	1	14	BF	5	I	0	5	48.68	6.26	6.56
11/18/2002	1	14	BF	6	I	1	5	49.32	12.99	5.84
11/18/2002	1	14	BF	7	I	2	5	53.28	14.53	7.89
11/18/2002	1	14	BF	8	I	0	10	45.97	13.64	6.12
11/18/2002	1	14	BF	9	I	1	10	51.36	7.70	6.07
11/18/2002	1	14	BF	10	I	2	10	50.94	10.42	6.87
11/18/2002	1	14	BF	11	I	0	20	52.77	12.58	7.46
11/18/2002	1	14	BF	12	I	1	20	53.39	6.13	10.27
11/18/2002	1	14	BF	13	I	2	20	53.69	10.12	8.79
11/18/2002	1	14	BF	14	N	1	0	48.61	18.41	8.53
11/18/2002	1	14	BF	15	N	2	0	46.90	11.69	5.64
11/18/2002	1	14	BF	16	N	0	5	51.70	14.64	7.34
11/18/2002	1	14	BF	17	N	1	5	.	.	.
11/18/2002	1	14	BF	18	N	2	5	51.99	8.30	8.27
11/18/2002	1	14	BF	19	N	0	10	52.19	17.10	8.34
11/18/2002	1	14	BF	20	N	1	10	48.96	14.45	5.86
11/18/2002	1	14	BF	21	N	2	10	52.64	15.05	7.60
11/18/2002	1	14	BF	22	N	0	20	53.83	12.37	9.26
11/18/2002	1	14	BF	23	N	1	20	52.89	9.17	9.14
11/18/2002	1	14	BF	24	N	2	20	44.67	13.21	5.51
10/31/2002	2	1	CT	1	N	0	0	48.04	21.94	9.69
10/31/2002	2	1	CT	2	I	0	0	44.46	20.89	7.43
10/31/2002	2	1	CT	3	I	1	0	42.64	21.74	8.57
10/31/2002	2	1	CT	4	I	2	0	41.01	17.98	6.40
10/31/2002	2	1	CT	5	I	0	5	44.68	19.12	6.97
10/31/2002	2	1	CT	6	I	1	5	.	.	.
10/31/2002	2	1	CT	7	I	2	5	44.00	21.85	8.45
10/31/2002	2	1	CT	8	I	0	10	42.18	20.29	7.01
10/31/2002	2	1	CT	9	I	1	10	45.01	21.32	8.46
10/31/2002	2	1	CT	10	I	2	10	40.95	20.38	7.43
10/31/2002	2	1	CT	11	I	0	20	42.94	19.95	7.43
10/31/2002	2	1	CT	12	I	1	20	43.86	21.84	8.08
10/31/2002	2	1	CT	13	I	2	20	43.30	21.44	7.51
10/31/2002	2	1	CT	14	N	1	0	46.84	21.56	8.38
10/31/2002	2	1	CT	15	N	2	0	44.01	23.44	8.95

10/31/2002	2	1	CT	16	N	0	5	43.86	24.53	9.50
10/31/2002	2	1	CT	17	N	1	5	45.14	21.38	8.75
10/31/2002	2	1	CT	18	N	2	5	41.47	18.35	6.75
10/31/2002	2	1	CT	19	N	0	10	42.00	23.68	9.17
10/31/2002	2	1	CT	20	N	1	10	45.05	22.44	8.78
10/31/2002	2	1	CT	21	N	2	10	43.76	23.69	8.87
10/31/2002	2	1	CT	22	N	0	20	44.98	23.70	9.25
10/31/2002	2	1	CT	23	N	1	20	48.05	21.07	9.50
10/31/2002	2	1	CT	24	N	2	20	46.07	23.06	9.12
10/31/2002	2	1	BF	1	N	0	0	44.27	23.13	8.73
10/31/2002	2	1	BF	2	I	0	0	48.50	19.08	8.06
10/31/2002	2	1	BF	3	I	1	0	43.82	21.49	9.28
10/31/2002	2	1	BF	4	I	2	0	42.24	19.31	7.09
10/31/2002	2	1	BF	5	I	0	5	49.19	18.01	7.96
10/31/2002	2	1	BF	6	I	1	5	44.86	20.17	7.52
10/31/2002	2	1	BF	7	I	2	5	.	.	.
10/31/2002	2	1	BF	8	I	0	10	42.13	18.81	7.30
10/31/2002	2	1	BF	9	I	1	10	43.00	22.29	8.56
10/31/2002	2	1	BF	10	I	2	10	40.84	20.71	7.69
10/31/2002	2	1	BF	11	I	0	20	40.29	18.91	6.56
10/31/2002	2	1	BF	12	I	1	20	39.19	20.11	7.32
10/31/2002	2	1	BF	13	I	2	20	43.26	20.04	7.93
10/31/2002	2	1	BF	14	N	1	0	42.88	23.69	9.76
10/31/2002	2	1	BF	15	N	2	0	44.36	18.01	8.02
10/31/2002	2	1	BF	16	N	0	5	46.26	22.37	10.48
10/31/2002	2	1	BF	17	N	1	5	52.14	18.72	10.52
10/31/2002	2	1	BF	18	N	2	5	49.13	20.76	8.64
10/31/2002	2	1	BF	19	N	0	10	48.09	21.21	9.06
10/31/2002	2	1	BF	20	N	1	10	46.79	19.10	8.56
10/31/2002	2	1	BF	21	N	2	10	45.65	21.96	8.78
10/31/2002	2	1	BF	22	N	0	20	48.64	20.69	10.04
10/31/2002	2	1	BF	23	N	1	20	47.80	22.12	10.35
10/31/2002	2	1	BF	24	N	2	20	45.11	21.88	9.51
11/2/2002	2	3	CT	1	N	0	0	41.69	22.11	8.02
11/2/2002	2	3	CT	2	I	0	0	40.82	16.08	5.84
11/2/2002	2	3	CT	3	I	1	0	41.86	17.79	6.96
11/2/2002	2	3	CT	4	I	2	0	39.37	14.41	5.01
11/2/2002	2	3	CT	5	I	0	5	40.23	16.01	6.14
11/2/2002	2	3	CT	6	I	1	5	43.73	18.45	6.43
11/2/2002	2	3	CT	7	I	2	5	44.70	16.98	7.03
11/2/2002	2	3	CT	8	I	0	10	43.28	18.81	6.63
11/2/2002	2	3	CT	9	I	1	10	42.29	17.53	5.74
11/2/2002	2	3	CT	10	I	2	10	43.39	20.50	7.65

11/2/2002	2	3	CT	11	I	0	20	38.70	16.03	5.68
11/2/2002	2	3	CT	12	I	1	20	41.76	19.23	7.68
11/2/2002	2	3	CT	13	I	2	20	41.57	13.62	5.23
11/2/2002	2	3	CT	14	N	1	0	44.37	20.21	7.87
11/2/2002	2	3	CT	15	N	2	0	43.16	20.26	8.00
11/2/2002	2	3	CT	16	N	0	5	45.43	20.45	8.49
11/2/2002	2	3	CT	17	N	1	5	44.27	16.34	6.10
11/2/2002	2	3	CT	18	N	2	5	41.95	18.36	6.79
11/2/2002	2	3	CT	19	N	0	10	41.87	21.96	7.80
11/2/2002	2	3	CT	20	N	1	10	47.53	19.96	7.77
11/2/2002	2	3	CT	21	N	2	10	44.26	14.74	7.57
11/2/2002	2	3	CT	22	N	0	20	46.72	13.95	8.05
11/2/2002	2	3	CT	23	N	1	20	44.33	18.08	6.99
11/2/2002	2	3	CT	24	N	2	20	46.37	15.57	6.94
11/2/2002	2	3	BF	1	N	0	0	43.80	18.80	7.67
11/2/2002	2	3	BF	2	I	0	0	50.58	17.17	8.34
11/2/2002	2	3	BF	3	I	1	0	42.79	9.01	7.29
11/2/2002	2	3	BF	4	I	2	0	40.53	17.83	7.56
11/2/2002	2	3	BF	5	I	0	5	52.50	13.46	8.58
11/2/2002	2	3	BF	6	I	1	5	41.39	.	4.80
11/2/2002	2	3	BF	7	I	2	5	45.25	.	6.76
11/2/2002	2	3	BF	8	I	0	10	39.84	15.36	6.49
11/2/2002	2	3	BF	9	I	1	10	48.60	17.21	8.68
11/2/2002	2	3	BF	10	I	2	10	.	.	.
11/2/2002	2	3	BF	11	I	0	20	44.30	14.65	6.00
11/2/2002	2	3	BF	12	I	1	20	40.07	15.45	6.40
11/2/2002	2	3	BF	13	I	2	20	42.36	16.35	6.31
11/2/2002	2	3	BF	14	N	1	0	47.86	12.73	8.09
11/2/2002	2	3	BF	15	N	2	0	44.70	18.10	7.74
11/2/2002	2	3	BF	16	N	0	5	48.51	14.38	7.79
11/2/2002	2	3	BF	17	N	1	5	50.23	17.19	9.60
11/2/2002	2	3	BF	18	N	2	5	48.98	15.14	9.43
11/2/2002	2	3	BF	19	N	0	10	48.71	15.13	9.35
11/2/2002	2	3	BF	20	N	1	10	49.91	14.72	8.91
11/2/2002	2	3	BF	21	N	2	10	45.02	20.46	8.28
11/2/2002	2	3	BF	22	N	0	20	48.19	12.41	7.67
11/2/2002	2	3	BF	23	N	1	20	51.67	11.42	9.00
11/2/2002	2	3	BF	24	N	2	20	46.29	15.54	6.51
11/6/2002	2	7	CT	1	N	0	0	45.15	20.27	8.02
11/6/2002	2	7	CT	2	I	0	0	43.26	19.93	7.63
11/6/2002	2	7	CT	3	I	1	0	47.34	17.35	7.39
11/6/2002	2	7	CT	4	I	2	0	45.91	15.83	6.56
11/6/2002	2	7	CT	5	I	0	5	43.22	20.22	6.90

11/6/2002	2	7	CT	6	I	1	5	45.71	24.86	9.97
11/6/2002	2	7	CT	7	I	2	5	45.99	22.62	8.51
11/6/2002	2	7	CT	8	I	0	10	43.07	20.32	7.50
11/6/2002	2	7	CT	9	I	1	10	45.97	16.94	6.42
11/6/2002	2	7	CT	10	I	2	10	46.68	21.20	8.56
11/6/2002	2	7	CT	11	I	0	20	44.28	15.33	5.53
11/6/2002	2	7	CT	12	I	1	20	43.05	18.33	6.78
11/6/2002	2	7	CT	13	I	2	20	48.29	21.26	9.14
11/6/2002	2	7	CT	14	N	1	0	44.47	20.77	8.09
11/6/2002	2	7	CT	15	N	2	0	46.82	20.61	8.08
11/6/2002	2	7	CT	16	N	0	5	45.10	23.92	9.36
11/6/2002	2	7	CT	17	N	1	5	48.21	16.65	6.75
11/6/2002	2	7	CT	18	N	2	5	44.23	20.25	7.52
11/6/2002	2	7	CT	19	N	0	10	45.89	15.74	6.21
11/6/2002	2	7	CT	20	N	1	10	47.55	21.57	8.41
11/6/2002	2	7	CT	21	N	2	10	44.65	16.30	7.20
11/6/2002	2	7	CT	22	N	0	20	50.99	16.88	7.22
11/6/2002	2	7	CT	23	N	1	20	46.84	16.35	6.93
11/6/2002	2	7	CT	24	N	2	20	46.63	18.48	7.37
11/6/2002	2	7	BF	1	N	0	0	44.45	18.24	7.19
11/6/2002	2	7	BF	2	I	0	0	48.03	9.32	8.39
11/6/2002	2	7	BF	3	I	1	0	47.32	8.70	6.15
11/6/2002	2	7	BF	4	I	2	0	42.45	14.91	6.53
11/6/2002	2	7	BF	5	I	0	5	50.25	8.91	6.94
11/6/2002	2	7	BF	6	I	1	5	40.32	15.24	5.85
11/6/2002	2	7	BF	7	I	2	5	46.72	7.11	4.78
11/6/2002	2	7	BF	8	I	0	10	41.93	14.19	6.21
11/6/2002	2	7	BF	9	I	1	10	45.22	12.08	7.05
11/6/2002	2	7	BF	10	I	2	10	.	.	.
11/6/2002	2	7	BF	11	I	0	20	40.29	12.93	4.94
11/6/2002	2	7	BF	12	I	1	20	46.06	16.15	6.94
11/6/2002	2	7	BF	13	I	2	20	45.83	13.13	6.97
11/6/2002	2	7	BF	14	N	1	0	50.30	13.32	8.62
11/6/2002	2	7	BF	15	N	2	0	46.62	11.06	5.70
11/6/2002	2	7	BF	16	N	0	5	49.73	13.59	8.56
11/6/2002	2	7	BF	17	N	1	5	46.85	14.27	7.63
11/6/2002	2	7	BF	18	N	2	5	.	.	.
11/6/2002	2	7	BF	19	N	0	10	52.20	6.96	10.49
11/6/2002	2	7	BF	20	N	1	10	51.53	15.14	8.21
11/6/2002	2	7	BF	21	N	2	10	45.58	13.42	7.29
11/6/2002	2	7	BF	22	N	0	20	51.18	15.76	10.23
11/6/2002	2	7	BF	23	N	1	20	56.44	12.41	9.47
11/6/2002	2	7	BF	24	N	2	20	47.55	16.39	7.39

11/9/2002	2	10	CT	1	N	0	0	48.18	17.33	6.19
11/9/2002	2	10	CT	2	I	0	0	42.99	17.24	5.93
11/9/2002	2	10	CT	3	I	1	0	45.38	15.86	6.28
11/9/2002	2	10	CT	4	I	2	0	43.51	18.57	6.40
11/9/2002	2	10	CT	5	I	0	5	42.27	13.35	5.46
11/9/2002	2	10	CT	6	I	1	5	43.33	20.76	7.65
11/9/2002	2	10	CT	7	I	2	5	42.23	18.05	6.55
11/9/2002	2	10	CT	8	I	0	10	43.80	18.71	6.70
11/9/2002	2	10	CT	9	I	1	10	42.84	15.16	6.05
11/9/2002	2	10	CT	10	I	2	10	45.85	19.91	7.25
11/9/2002	2	10	CT	11	I	0	20	43.16	17.22	6.00
11/9/2002	2	10	CT	12	I	1	20	46.31	17.33	6.43
11/9/2002	2	10	CT	13	I	2	20	42.49	15.17	5.86
11/9/2002	2	10	CT	14	N	1	0	46.08	21.99	8.00
11/9/2002	2	10	CT	15	N	2	0	43.74	17.75	7.30
11/9/2002	2	10	CT	16	N	0	5	47.07	18.88	6.57
11/9/2002	2	10	CT	17	N	1	5	44.58	20.04	7.92
11/9/2002	2	10	CT	18	N	2	5	45.66	15.25	4.86
11/9/2002	2	10	CT	19	N	0	10	46.52	17.90	7.80
11/9/2002	2	10	CT	20	N	1	10	45.76	22.19	8.76
11/9/2002	2	10	CT	21	N	2	10	44.68	21.77	8.33
11/9/2002	2	10	CT	22	N	0	20	45.13	16.10	7.13
11/9/2002	2	10	CT	23	N	1	20	44.36	16.83	7.28
11/9/2002	2	10	CT	24	N	2	20	48.07	21.89	7.98
11/9/2002	2	10	BF	1	N	0	0	43.64	19.02	7.94
11/9/2002	2	10	BF	2	I	0	0	.	.	.
11/9/2002	2	10	BF	3	I	1	0	48.13	5.98	6.37
11/9/2002	2	10	BF	4	I	2	0	44.39	11.42	6.87
11/9/2002	2	10	BF	5	I	0	5	52.96	8.16	6.91
11/9/2002	2	10	BF	6	I	1	5	42.35	13.63	5.16
11/9/2002	2	10	BF	7	I	2	5	42.46	8.76	4.94
11/9/2002	2	10	BF	8	I	0	10	42.41	10.36	4.85
11/9/2002	2	10	BF	9	I	1	10	41.31	11.68	7.19
11/9/2002	2	10	BF	10	I	2	10	43.18	14.22	6.27
11/9/2002	2	10	BF	11	I	0	20	44.07	12.78	6.79
11/9/2002	2	10	BF	12	I	1	20	39.53	14.71	5.74
11/9/2002	2	10	BF	13	I	2	20	40.91	11.38	6.26
11/9/2002	2	10	BF	14	N	1	0	47.28	12.81	8.54
11/9/2002	2	10	BF	15	N	2	0	45.20	15.00	6.65
11/9/2002	2	10	BF	16	N	0	5	47.63	17.74	8.09
11/9/2002	2	10	BF	17	N	1	5	52.89	12.97	8.37
11/9/2002	2	10	BF	18	N	2	5	47.32	15.00	10.19
11/9/2002	2	10	BF	19	N	0	10	47.73	13.36	9.29

11/9/2002	2	10	BF	20	N	1	10	46.45	12.59	6.95
11/9/2002	2	10	BF	21	N	2	10	47.16	15.68	7.51
11/9/2002	2	10	BF	22	N	0	20	44.50	15.94	7.63
11/9/2002	2	10	BF	23	N	1	20	48.41	13.50	5.37
11/9/2002	2	10	BF	24	N	2	20	.	.	.
11/13/2002	2	14	BF	1	N	0	0	.	.	.
11/13/2002	2	14	BF	2	I	0	0	.	.	.
11/13/2002	2	14	BF	3	I	1	0	.	.	.
11/13/2002	2	14	BF	4	I	2	0	.	.	.
11/13/2002	2	14	BF	5	I	0	5	.	.	.
11/13/2002	2	14	BF	6	I	1	5	.	.	.
11/13/2002	2	14	BF	7	I	2	5	.	.	.
11/13/2002	2	14	BF	8	I	0	10	.	.	.
11/13/2002	2	14	BF	9	I	1	10	.	.	.
11/13/2002	2	14	BF	10	I	2	10	.	.	.
11/13/2002	2	14	BF	11	I	0	20	.	.	.
11/13/2002	2	14	BF	12	I	1	20	.	.	.
11/13/2002	2	14	BF	13	I	2	20	.	.	.
11/13/2002	2	14	BF	14	N	1	0	.	.	.
11/13/2002	2	14	BF	15	N	2	0	.	.	.
11/13/2002	2	14	BF	16	N	0	5	.	.	.
11/13/2002	2	14	BF	17	N	1	5	.	.	.
11/13/2002	2	14	BF	18	N	2	5	.	.	.
11/13/2002	2	14	BF	19	N	0	10	.	.	.
11/13/2002	2	14	BF	20	N	1	10	.	.	.
11/13/2002	2	14	BF	21	N	2	10	.	.	.
11/13/2002	2	14	BF	22	N	0	20	.	.	.
11/13/2002	2	14	BF	23	N	1	20	.	.	.
11/13/2002	2	14	BF	24	N	2	20	.	.	.
11/13/2002	2	14	CT	1	N	0	0	.	.	.
11/13/2002	2	14	CT	2	I	0	0	.	.	.
11/13/2002	2	14	CT	3	I	1	0	.	.	.
11/13/2002	2	14	CT	4	I	2	0	.	.	.
11/13/2002	2	14	CT	5	I	0	5	.	.	.
11/13/2002	2	14	CT	6	I	1	5	.	.	.
11/13/2002	2	14	CT	7	I	2	5	.	.	.
11/13/2002	2	14	CT	8	I	0	10	.	.	.
11/13/2002	2	14	CT	9	I	1	10	.	.	.
11/13/2002	2	14	CT	10	I	2	10	.	.	.
11/13/2002	2	14	CT	11	I	0	20	.	.	.
11/13/2002	2	14	CT	12	I	1	20	.	.	.
11/13/2002	2	14	CT	13	I	2	20	.	.	.
11/13/2002	2	14	CT	14	N	1	0	.	.	.

11/13/2002	2	14	CT	15	N	2	0	.	.	.
11/13/2002	2	14	CT	16	N	0	5	.	.	.
11/13/2002	2	14	CT	17	N	1	5	.	.	.
11/13/2002	2	14	CT	18	N	2	5	.	.	.
11/13/2002	2	14	CT	19	N	0	10	.	.	.
11/13/2002	2	14	CT	20	N	1	10	.	.	.
11/13/2002	2	14	CT	21	N	2	10	.	.	.
11/13/2002	2	14	CT	22	N	0	20	.	.	.
11/13/2002	2	14	CT	23	N	1	20	.	.	.
11/13/2002	2	14	CT	24	N	2	20	.	.	.
11/2/2002	3	1	BF	1	N	0	0	49.76	16.23	9.08
11/2/2002	3	1	BF	2	I	0	0	42.35	13.77	6.77
11/2/2002	3	1	BF	3	I	1	0	46.46	15.75	8.47
11/2/2002	3	1	BF	4	I	2	0	50.16	14.02	8.58
11/2/2002	3	1	BF	5	I	0	5	50.19	12.94	8.94
11/2/2002	3	1	BF	6	I	1	5	46.70	17.19	8.66
11/2/2002	3	1	BF	7	I	2	5	.	.	.
11/2/2002	3	1	BF	8	I	0	10	47.74	13.02	7.27
11/2/2002	3	1	BF	9	I	1	10	46.43	15.94	6.73
11/2/2002	3	1	BF	10	I	2	10	46.52	17.48	8.20
11/2/2002	3	1	BF	11	I	0	20	51.24	11.70	7.72
11/2/2002	3	1	BF	12	I	1	20	42.03	13.79	5.92
11/2/2002	3	1	BF	13	I	2	20	.	.	.
11/2/2002	3	1	BF	14	N	1	0	49.24	15.00	8.91
11/2/2002	3	1	BF	15	N	2	0	47.27	15.26	7.19
11/2/2002	3	1	BF	16	N	0	5	46.64	14.74	8.01
11/2/2002	3	1	BF	17	N	1	5	42.75	18.99	8.68
11/2/2002	3	1	BF	18	N	2	5	54.49	13.08	8.82
11/2/2002	3	1	BF	19	N	0	10	48.59	14.19	7.86
11/2/2002	3	1	BF	20	N	1	10	50.62	14.54	7.01
11/2/2002	3	1	BF	21	N	2	10	52.61	14.67	8.93
11/2/2002	3	1	BF	22	N	0	20	50.80	12.16	7.10
11/2/2002	3	1	BF	23	N	1	20	49.25	11.90	6.37
11/2/2002	3	1	BF	24	N	2	20	49.84	16.43	7.76
11/2/2002	3	1	CT	1	N	0	0	47.03	18.47	7.36
11/2/2002	3	1	CT	2	I	0	0	41.41	18.95	6.54
11/2/2002	3	1	CT	3	I	1	0	47.09	19.24	7.05
11/2/2002	3	1	CT	4	I	2	0	44.58	16.63	7.38
11/2/2002	3	1	CT	5	I	0	5	42.37	22.59	7.73
11/2/2002	3	1	CT	6	I	1	5	44.81	14.55	4.45
11/2/2002	3	1	CT	7	I	2	5	42.25	19.19	6.85
11/2/2002	3	1	CT	8	I	0	10	.	.	.
11/2/2002	3	1	CT	9	I	1	10	51.41	13.96	6.74

11/2/2002	3	1	CT	10	I	2	10	43.45	16.33	5.69
11/2/2002	3	1	CT	11	I	0	20	44.69	14.67	5.03
11/2/2002	3	1	CT	12	I	1	20	43.99	19.77	7.30
11/2/2002	3	1	CT	13	I	2	20	45.10	20.11	7.32
11/2/2002	3	1	CT	14	N	1	0	46.12	17.98	5.83
11/2/2002	3	1	CT	15	N	2	0	43.63	22.24	8.04
11/2/2002	3	1	CT	16	N	0	5	45.42	17.60	7.39
11/2/2002	3	1	CT	17	N	1	5	44.36	22.12	8.13
11/2/2002	3	1	CT	18	N	2	5	49.22	20.56	8.43
11/2/2002	3	1	CT	19	N	0	10	44.33	15.30	5.00
11/2/2002	3	1	CT	20	N	1	10	47.86	19.05	7.47
11/2/2002	3	1	CT	21	N	2	10	44.46	21.69	8.05
11/2/2002	3	1	CT	22	N	0	20	44.28	18.44	6.60
11/2/2002	3	1	CT	23	N	1	20	46.20	15.14	5.46
11/2/2002	3	1	CT	24	N	2	20	44.90	19.39	6.74
11/4/2002	3	3	BF	1	N	0	0	48.88	18.67	9.48
11/4/2002	3	3	BF	2	I	0	0	.	.	.
11/4/2002	3	3	BF	3	I	1	0	46.06	13.70	5.38
11/4/2002	3	3	BF	4	I	2	0	.	.	.
11/4/2002	3	3	BF	5	I	0	5	49.62	13.46	9.54
11/4/2002	3	3	BF	6	I	1	5	45.50	16.08	7.60
11/4/2002	3	3	BF	7	I	2	5	.	.	. .
11/4/2002	3	3	BF	8	I	0	10	46.70	14.90	7.44
11/4/2002	3	3	BF	9	I	1	10	47.35	15.13	8.25
11/4/2002	3	3	BF	10	I	2	10	51.14	14.64	7.95
11/4/2002	3	3	BF	11	I	0	20	48.66	16.37	9.54
11/4/2002	3	3	BF	12	I	1	20	.	.	.
11/4/2002	3	3	BF	13	I	2	20	47.66	13.75	6.41
11/4/2002	3	3	BF	14	N	1	0	42.51	13.35	5.39
11/4/2002	3	3	BF	15	N	2	0	51.03	13.37	8.76
11/4/2002	3	3	BF	16	N	0	5	48.10	15.80	6.97
11/4/2002	3	3	BF	17	N	1	5	47.44	15.49	8.77
11/4/2002	3	3	BF	18	N	2	5	50.23	14.34	8.73
11/4/2002	3	3	BF	19	N	0	10	47.97	15.56	8.53
11/4/2002	3	3	BF	20	N	1	10	.	.	.
11/4/2002	3	3	BF	21	N	2	10	46.83	14.60	6.81
11/4/2002	3	3	BF	22	N	0	20	50.88	17.19	9.66
11/4/2002	3	3	BF	23	N	1	20	50.54	13.51	8.38
11/4/2002	3	3	BF	24	N	2	20	.	.	.
11/4/2002	3	3	CT	1	N	0	0	47.86	20.52	7.39
11/4/2002	3	3	CT	2	I	0	0	43.31	14.75	4.71
11/4/2002	3	3	CT	3	I	1	0	.	.	.
11/4/2002	3	3	CT	4	I	2	0	.	.	.

11/4/2002	3	3	CT	5	I	0	5	.	.	.
11/4/2002	3	3	CT	6	I	1	5	43.38	18.58	6.51
11/4/2002	3	3	CT	7	I	2	5	45.38	16.57	5.53
11/4/2002	3	3	CT	8	I	0	10	43.24	16.80	5.71
11/4/2002	3	3	CT	9	I	1	10	43.28	17.09	5.97
11/4/2002	3	3	CT	10	I	2	10	48.15	14.43	7.13
11/4/2002	3	3	CT	11	I	0	20	46.15	17.48	5.77
11/4/2002	3	3	CT	12	I	1	20	46.12	16.06	6.54
11/4/2002	3	3	CT	13	I	2	20	45.34	16.76	5.89
11/4/2002	3	3	CT	14	N	1	0	44.76	16.87	6.10
11/4/2002	3	3	CT	15	N	2	0	45.81	20.28	7.26
11/4/2002	3	3	CT	16	N	0	5	45.88	20.28	7.01
11/4/2002	3	3	CT	17	N	1	5	43.29	18.80	6.45
11/4/2002	3	3	CT	18	N	2	5	50.99	19.18	8.54
11/4/2002	3	3	CT	19	N	0	10	.	.	.
11/4/2002	3	3	CT	20	N	1	10	48.19	21.34	8.59
11/4/2002	3	3	CT	21	N	2	10	50.59	16.22	8.26
11/4/2002	3	3	CT	22	N	0	20	47.11	21.85	8.31
11/4/2002	3	3	CT	23	N	1	20	44.32	19.12	7.20
11/4/2002	3	3	CT	24	N	2	20	50.06	16.74	6.35
11/8/2002	3	7	BF	1	N	0	0	52.77	14.56	8.37
11/8/2002	3	7	BF	2	I	0	0	53.55	13.29	7.75
11/8/2002	3	7	BF	3	I	1	0	46.30	14.55	7.45
11/8/2002	3	7	BF	4	I	2	0	50.76	13.72	8.43
11/8/2002	3	7	BF	5	I	0	5	51.17	13.22	9.30
11/8/2002	3	7	BF	6	I	1	5	47.51	14.92	7.11
11/8/2002	3	7	BF	7	I	2	5	.	.	.
11/8/2002	3	7	BF	8	I	0	10	52.03	14.62	8.19
11/8/2002	3	7	BF	9	I	1	10	46.50	14.78	6.44
11/8/2002	3	7	BF	10	I	2	10	46.58	15.49	6.90
11/8/2002	3	7	BF	11	I	0	20	52.89	13.74	8.50
11/8/2002	3	7	BF	12	I	1	20	45.02	15.86	7.48
11/8/2002	3	7	BF	13	I	2	20	49.73	12.97	6.45
11/8/2002	3	7	BF	14	N	1	0	.	.	.
11/8/2002	3	7	BF	15	N	2	0	50.39	10.53	9.30
11/8/2002	3	7	BF	16	N	0	5	49.62	16.21	6.80
11/8/2002	3	7	BF	17	N	1	5	45.09	17.28	7.47
11/8/2002	3	7	BF	18	N	2	5	53.84	10.81	9.22
11/8/2002	3	7	BF	19	N	0	10	46.78	16.74	7.31
11/8/2002	3	7	BF	20	N	1	10	48.43	14.13	7.56
11/8/2002	3	7	BF	21	N	2	10	52.93	12.74	9.12
11/8/2002	3	7	BF	22	N	0	20	.	.	.
11/8/2002	3	7	BF	23	N	1	20	.	.	.

11/8/2002	3	7	BF	24	N	2	20	53.23	16.29	9.05
11/8/2002	3	7	CT	1	N	0	0	45.09	22.32	8.79
11/8/2002	3	7	CT	2	I	0	0	.	.	.
11/8/2002	3	7	CT	3	I	1	0	50.06	15.75	8.27
11/8/2002	3	7	CT	4	I	2	0	44.24	16.40	5.79
11/8/2002	3	7	CT	5	I	0	5	45.80	17.17	5.79
11/8/2002	3	7	CT	6	I	1	5	45.34	19.27	7.76
11/8/2002	3	7	CT	7	I	2	5	43.02	17.82	6.12
11/8/2002	3	7	CT	8	I	0	10	43.66	17.42	5.62
11/8/2002	3	7	CT	9	I	1	10	46.13	16.74	5.70
11/8/2002	3	7	CT	10	I	2	10	44.61	16.61	6.21
11/8/2002	3	7	CT	11	I	0	20	.	.	.
11/8/2002	3	7	CT	12	I	1	20	42.44	20.11	7.61
11/8/2002	3	7	CT	13	I	2	20	45.73	22.23	7.89
11/8/2002	3	7	CT	14	N	1	0	44.80	23.77	8.42
11/8/2002	3	7	CT	15	N	2	0	45.48	21.15	7.92
11/8/2002	3	7	CT	16	N	0	5	.	.	.
11/8/2002	3	7	CT	17	N	1	5	47.66	23.00	8.50
11/8/2002	3	7	CT	18	N	2	5	48.88	20.38	8.73
11/8/2002	3	7	CT	19	N	0	10	46.33	18.16	6.85
11/8/2002	3	7	CT	20	N	1	10	49.08	21.09	8.59
11/8/2002	3	7	CT	21	N	2	10	45.20	17.25	6.27
11/8/2002	3	7	CT	22	N	0	20	46.14	23.46	8.66
11/8/2002	3	7	CT	23	N	1	20	45.00	17.19	6.95
11/8/2002	3	7	CT	24	N	2	20	.	.	.
11/11/2002	3	10	BF	1	N	0	0	.	.	.
11/11/2002	3	10	BF	2	I	0	0	49.13	15.42	9.06
11/11/2002	3	10	BF	3	I	1	0	46.56	13.32	5.21
11/11/2002	3	10	BF	4	I	2	0	48.91	14.00	8.14
11/11/2002	3	10	BF	5	I	0	5	48.33	10.73	4.92
11/11/2002	3	10	BF	6	I	1	5	49.91	15.66	7.53
11/11/2002	3	10	BF	7	I	2	5	.	.	.
11/11/2002	3	10	BF	8	I	0	10	.	.	.
11/11/2002	3	10	BF	9	I	1	10	43.16	15.03	5.72
11/11/2002	3	10	BF	10	I	2	10	44.29	15.65	6.75
11/11/2002	3	10	BF	11	I	0	20	48.88	14.71	7.21
11/11/2002	3	10	BF	12	I	1	20	48.65	14.61	6.51
11/11/2002	3	10	BF	13	I	2	20	47.69	17.94	9.23
11/11/2002	3	10	BF	14	N	1	0	.	.	.
11/11/2002	3	10	BF	15	N	2	0	49.48	8.36	9.29
11/11/2002	3	10	BF	16	N	0	5	.	.	.
11/11/2002	3	10	BF	17	N	1	5	45.39	14.17	6.86
11/11/2002	3	10	BF	18	N	2	5	51.62	10.00	6.60

11/11/2002	3	10	BF	19	N	0	10	.	.	.
11/11/2002	3	10	BF	20	N	1	10	51.40	16.28	8.18
11/11/2002	3	10	BF	21	N	2	10	52.86	8.48	11.11
11/11/2002	3	10	BF	22	N	0	20	49.81	13.93	6.38
11/11/2002	3	10	BF	23	N	1	20	51.87	6.94	10.54
11/11/2002	3	10	BF	24	N	2	20	52.18	14.93	6.40
11/11/2002	3	10	CT	1	N	0	0	48.75	20.46	7.20
11/11/2002	3	10	CT	2	I	0	0	.	.	.
11/11/2002	3	10	CT	3	I	1	0	.	.	.
11/11/2002	3	10	CT	4	I	2	0	.	.	.
11/11/2002	3	10	CT	5	I	0	5	.	.	.
11/11/2002	3	10	CT	6	I	1	5	43.66	17.25	5.96
11/11/2002	3	10	CT	7	I	2	5	43.87	19.18	6.09
11/11/2002	3	10	CT	8	I	0	10	43.64	19.01	5.99
11/11/2002	3	10	CT	9	I	1	10	44.98	16.18	5.67
11/11/2002	3	10	CT	10	I	2	10	.	.	.
11/11/2002	3	10	CT	11	I	0	20	.	.	.
11/11/2002	3	10	CT	12	I	1	20	44.52	23.22	8.03
11/11/2002	3	10	CT	13	I	2	20	45.72	19.25	6.70
11/11/2002	3	10	CT	14	N	1	0	.	.	.
11/11/2002	3	10	CT	15	N	2	0	47.50	21.04	7.10
11/11/2002	3	10	CT	16	N	0	5	48.86	19.66	6.52
11/11/2002	3	10	CT	17	N	1	5	47.47	25.82	9.65
11/11/2002	3	10	CT	18	N	2	5	49.98	20.68	8.57
11/11/2002	3	10	CT	19	N	0	10	45.73	23.14	8.02
11/11/2002	3	10	CT	20	N	1	10	47.99	22.66	9.08
11/11/2002	3	10	CT	21	N	2	10	49.74	18.22	5.66
11/11/2002	3	10	CT	22	N	0	20	49.78	22.57	7.95
11/11/2002	3	10	CT	23	N	1	20	47.66	16.85	7.73
11/11/2002	3	10	CT	24	N	2	20	47.66	21.49	7.60
11/15/2002	3	14	BF	1	N	0	0	.	.	.
11/15/2002	3	14	BF	2	I	0	0	51.51	11.56	8.34
11/15/2002	3	14	BF	3	I	1	0	47.80	8.66	6.26
11/15/2002	3	14	BF	4	I	2	0	45.94	11.66	4.89
11/15/2002	3	14	BF	5	I	0	5	49.08	8.77	6.65
11/15/2002	3	14	BF	6	I	1	5	53.19	13.70	8.31
11/15/2002	3	14	BF	7	I	2	5	.	.	.
11/15/2002	3	14	BF	8	I	0	10	48.51	13.24	8.43
11/15/2002	3	14	BF	9	I	1	10	.	.	.
11/15/2002	3	14	BF	10	I	2	10	49.07	12.42	6.70
11/15/2002	3	14	BF	11	I	0	20	47.92	12.35	5.49
11/15/2002	3	14	BF	12	I	1	20	48.03	6.03	8.63
11/15/2002	3	14	BF	13	I	2	20	50.24	10.85	7.99

11/15/2002	3	14	BF	14	N	1	0	49.71	7.90	7.39
11/15/2002	3	14	BF	15	N	2	0	55.28	6.12	11.08
11/15/2002	3	14	BF	16	N	0	5	49.22	12.46	7.03
11/15/2002	3	14	BF	17	N	1	5	48.83	6.75	7.07
11/15/2002	3	14	BF	18	N	2	5	56.53	5.54	11.23
11/15/2002	3	14	BF	19	N	0	10	.	.	.
11/15/2002	3	14	BF	20	N	1	10	54.01	8.67	7.89
11/15/2002	3	14	BF	21	N	2	10	44.04	15.22	8.94
11/15/2002	3	14	BF	22	N	0	20	50.19	6.06	6.85
11/15/2002	3	14	BF	23	N	1	20	.	.	.
11/15/2002	3	14	BF	24	N	2	20	54.72	9.40	9.74
12/11/2002	3	1	SL	1	N	0	0	41.39	21.62	7.94
12/11/2002	3	1	SL	2	I	0	0	44.38	19.19	7.54
12/11/2002	3	1	SL	3	I	1	0	.	.	.
12/11/2002	3	1	SL	4	I	2	0	42.64	13.61	4.70
12/11/2002	3	1	SL	5	I	0	5	44.15	18.50	7.10
12/11/2002	3	1	SL	6	I	1	5	41.93	14.84	5.17
12/11/2002	3	1	SL	7	I	2	5	43.31	14.17	4.71
12/11/2002	3	1	SL	8	I	0	10	38.97	18.76	6.73
12/11/2002	3	1	SL	9	I	1	10	41.47	16.87	6.30
12/11/2002	3	1	SL	10	I	2	10	.	.	.
12/11/2002	3	1	SL	11	I	0	20	41.05	16.63	5.84
12/11/2002	3	1	SL	12	I	1	20	42.87	15.83	5.62
12/11/2002	3	1	SL	13	I	2	20	41.12	14.03	4.87
12/11/2002	3	1	SL	14	N	1	0	42.03	22.58	8.62
12/11/2002	3	1	SL	15	N	2	0	48.73	20.81	8.59
12/11/2002	3	1	SL	16	N	0	5	42.67	20.48	7.89
12/11/2002	3	1	SL	17	N	1	5	49.09	22.18	9.00
12/11/2002	3	1	SL	18	N	2	5	47.62	21.61	8.26
12/11/2002	3	1	SL	19	N	0	10	45.17	21.32	8.40
12/11/2002	3	1	SL	20	N	1	10	44.34	25.19	9.73
12/11/2002	3	1	SL	21	N	2	10	45.71	21.39	8.49
12/11/2002	3	1	SL	22	N	0	20	49.86	21.94	9.23
12/11/2002	3	1	SL	23	N	1	20	47.49	21.52	8.80
12/11/2002	3	1	SL	24	N	2	20	48.42	20.38	8.20
12/11/2002	3	1	TB	1	N	0	0	44.25	23.18	8.37
12/11/2002	3	1	TB	2	I	0	0	47.27	19.51	7.33
12/11/2002	3	1	TB	3	I	1	0	45.02	21.81	7.89
12/11/2002	3	1	TB	4	I	2	0	40.39	23.24	8.24
12/11/2002	3	1	TB	5	I	0	5	36.33	20.40	7.34
12/11/2002	3	1	TB	6	I	1	5	44.32	22.84	8.83
12/11/2002	3	1	TB	7	I	2	5	45.74	19.73	7.80
12/11/2002	3	1	TB	8	I	0	10	46.02	21.79	8.50

12/11/2002	3	1	TB	9	I	1	10	46.95	21.39	8.79
12/11/2002	3	1	TB	10	I	2	10	46.05	20.25	7.65
12/11/2002	3	1	TB	11	I	0	20	40.94	22.53	8.21
12/11/2002	3	1	TB	12	I	1	20	47.21	21.57	8.69
12/11/2002	3	1	TB	13	I	2	20	43.61	25.41	9.50
12/11/2002	3	1	TB	14	N	1	0	44.59	24.89	9.65
12/11/2002	3	1	TB	15	N	2	0	.	.	.
12/11/2002	3	1	TB	16	N	0	5	46.12	23.08	8.99
12/11/2002	3	1	TB	17	N	1	5	42.08	24.50	9.46
12/11/2002	3	1	TB	18	N	2	5	49.42	21.45	8.85
12/11/2002	3	1	TB	19	N	0	10	46.10	24.79	9.86
12/11/2002	3	1	TB	20	N	1	10	44.14	21.30	7.44
12/11/2002	3	1	TB	21	N	2	10	43.71	22.20	8.57
12/11/2002	3	1	TB	22	N	0	20	47.72	22.91	9.03
12/11/2002	3	1	TB	23	N	1	20	38.87	25.60	9.39
12/11/2002	3	1	TB	24	N	2	20	47.03	22.26	8.59
12/13/2002	3	3	TB	1	N	0	0	48.40	22.78	8.41
12/13/2002	3	3	TB	2	I	0	0	48.23	21.41	8.24
12/13/2002	3	3	TB	3	I	1	0	42.57	14.65	5.88
12/13/2002	3	3	TB	4	I	2	0	43.72	16.37	6.13
12/13/2002	3	3	TB	5	I	0	5	44.31	21.64	7.84
12/13/2002	3	3	TB	6	I	1	5	47.60	21.42	7.71
12/13/2002	3	3	TB	7	I	2	5	47.90	19.78	7.37
12/13/2002	3	3	TB	8	I	0	10	46.98	21.20	8.32
12/13/2002	3	3	TB	9	I	1	10	48.67	21.22	7.89
12/13/2002	3	3	TB	10	I	2	10	46.14	22.78	8.55
12/13/2002	3	3	TB	11	I	0	20	47.13	16.92	6.02
12/13/2002	3	3	TB	12	I	1	20	45.46	18.00	5.97
12/13/2002	3	3	TB	13	I	2	20	45.22	18.42	6.25
12/13/2002	3	3	TB	14	N	1	0	45.54	22.79	8.29
12/13/2002	3	3	TB	15	N	2	0	49.03	18.16	6.24
12/13/2002	3	3	TB	16	N	0	5	46.25	24.66	9.31
12/13/2002	3	3	TB	17	N	1	5	45.50	20.39	7.25
12/13/2002	3	3	TB	18	N	2	5	49.35	20.91	7.98
12/13/2002	3	3	TB	19	N	0	10	47.23	25.05	9.91
12/13/2002	3	3	TB	20	N	1	10	46.45	22.94	8.29
12/13/2002	3	3	TB	21	N	2	10	45.57	24.35	9.03
12/13/2002	3	3	TB	22	N	0	20	46.12	24.89	9.22
12/13/2002	3	3	TB	23	N	1	20	43.45	24.24	8.34
12/13/2002	3	3	TB	24	N	2	20	48.32	23.49	9.22
12/4/2002	1	1	SL	1	N	0	0	0.00	0.00	0.00
12/4/2002	1	1	SL	2	I	0	0	0.00	0.00	0.00
12/4/2002	1	1	SL	3	I	1	0	0.00	0.00	0.00

12/4/2002	1	1	SL	4	I	2	0	0.00	0.00	0.00
12/4/2002	1	1	SL	5	I	0	5	0.00	0.00	0.00
12/4/2002	1	1	SL	6	I	1	5	0.00	0.00	0.00
12/4/2002	1	1	SL	7	I	2	5	0.00	0.00	0.00
12/4/2002	1	1	SL	8	I	0	10	0.00	0.00	0.00
12/4/2002	1	1	SL	9	I	1	10	0.00	0.00	0.00
12/4/2002	1	1	SL	10	I	2	10	0.00	0.00	0.00
12/4/2002	1	1	SL	11	I	0	20	0.00	0.00	0.00
12/4/2002	1	1	SL	12	I	1	20	0.00	0.00	0.00
12/4/2002	1	1	SL	13	I	2	20	0.00	0.00	0.00
12/4/2002	1	1	SL	14	N	1	0	0.00	0.00	0.00
12/4/2002	1	1	SL	15	N	2	0	0.00	0.00	0.00
12/4/2002	1	1	SL	16	N	0	5	0.00	0.00	0.00
12/4/2002	1	1	SL	17	N	1	5	0.00	0.00	0.00
12/4/2002	1	1	SL	18	N	2	5	0.00	0.00	0.00
12/4/2002	1	1	SL	19	N	0	10	0.00	0.00	0.00
12/4/2002	1	1	SL	20	N	1	10	0.00	0.00	0.00
12/4/2002	1	1	SL	21	N	2	10	0.00	0.00	0.00
12/4/2002	1	1	SL	22	N	0	20	0.00	0.00	0.00
12/4/2002	1	1	SL	23	N	1	20	0.00	0.00	0.00
12/4/2002	1	1	SL	24	N	2	20	0.00	0.00	0.00
12/4/2002	1	1	TB	1	N	0	0	0.00	0.00	0.00
12/4/2002	1	1	TB	2	I	0	0	0.00	0.00	0.00
12/4/2002	1	1	TB	3	I	1	0	0.00	0.00	0.00
12/4/2002	1	1	TB	4	I	2	0	0.00	0.00	0.00
12/4/2002	1	1	TB	5	I	0	5	0.00	0.00	0.00
12/4/2002	1	1	TB	6	I	1	5	0.00	0.00	0.00
12/4/2002	1	1	TB	7	I	2	5	0.00	0.00	0.00
12/4/2002	1	1	TB	8	I	0	10	0.00	0.00	0.00
12/4/2002	1	1	TB	9	I	1	10	0.00	0.00	0.00
12/4/2002	1	1	TB	10	I	2	10	0.00	0.00	0.00
12/4/2002	1	1	TB	11	I	0	20	0.00	0.00	0.00
12/4/2002	1	1	TB	12	I	1	20	0.00	0.00	0.00
12/4/2002	1	1	TB	13	I	2	20	0.00	0.00	0.00
12/4/2002	1	1	TB	14	N	1	0	0.00	0.00	0.00
12/4/2002	1	1	TB	15	N	2	0	0.00	0.00	0.00
12/4/2002	1	1	TB	16	N	0	5	0.00	0.00	0.00
12/4/2002	1	1	TB	17	N	1	5	0.00	0.00	0.00
12/4/2002	1	1	TB	18	N	2	5	0.00	0.00	0.00
12/4/2002	1	1	TB	19	N	0	10	0.00	0.00	0.00
12/4/2002	1	1	TB	20	N	1	10	0.00	0.00	0.00
12/4/2002	1	1	TB	21	N	2	10	0.00	0.00	0.00
12/4/2002	1	1	TB	22	N	0	20	0.00	0.00	0.00

12/4/2002	1	1	TB	23	N	1	20	0.00	0.00	0.00
12/4/2002	1	1	TB	24	N	2	20	0.00	0.00	0.00
12/6/2002	1	3	SL	1	N	0	0	51.64	12.78	3.14
12/6/2002	1	3	SL	2	I	0	0	45.40	15.44	4.37
12/6/2002	1	3	SL	3	I	1	0	47.38	16.46	5.28
12/6/2002	1	3	SL	4	I	2	0	47.00	12.41	3.43
12/6/2002	1	3	SL	5	I	0	5	50.13	14.78	5.21
12/6/2002	1	3	SL	6	I	1	5	50.95	19.08	7.79
12/6/2002	1	3	SL	7	I	2	5	48.66	12.30	3.51
12/6/2002	1	3	SL	8	I	0	10	46.89	12.33	3.89
12/6/2002	1	3	SL	9	I	1	10	47.74	15.08	4.70
12/6/2002	1	3	SL	10	I	2	10	49.28	15.99	5.12
12/6/2002	1	3	SL	11	I	0	20	45.53	15.18	4.43
12/6/2002	1	3	SL	12	I	1	20	49.86	11.31	3.35
12/6/2002	1	3	SL	13	I	2	20	48.30	14.05	4.28
12/6/2002	1	3	SL	14	N	1	0	49.06	21.19	8.25
12/6/2002	1	3	SL	15	N	2	0	49.09	10.38	3.72
12/6/2002	1	3	SL	16	N	0	5	51.86	18.56	6.39
12/6/2002	1	3	SL	17	N	1	5	52.85	21.40	9.21
12/6/2002	1	3	SL	18	N	2	5	54.02	20.32	7.88
12/6/2002	1	3	SL	19	N	0	10	53.25	20.42	8.25
12/6/2002	1	3	SL	20	N	1	10	44.58	20.69	6.87
12/6/2002	1	3	SL	21	N	2	10	49.02	18.63	6.03
12/6/2002	1	3	SL	22	N	0	20	47.70	17.48	5.68
12/6/2002	1	3	SL	23	N	1	20	51.67	20.74	8.12
12/6/2002	1	3	SL	24	N	2	20	50.76	20.01	7.24
12/6/2002	1	3	TB	1	N	0	0	47.92	19.03	5.95
12/6/2002	1	3	TB	2	I	0	0	50.83	19.03	6.15
12/6/2002	1	3	TB	3	I	1	0	45.71	12.00	2.04
12/6/2002	1	3	TB	4	I	2	0	48.60	19.45	6.87
12/6/2002	1	3	TB	5	I	0	5	49.71	22.20	8.43
12/6/2002	1	3	TB	6	I	1	5	46.93	18.38	5.44
12/6/2002	1	3	TB	7	I	2	5	46.95	18.36	5.52
12/6/2002	1	3	TB	8	I	0	10	45.29	22.12	7.01
12/6/2002	1	3	TB	9	I	1	10	47.83	20.51	6.70
12/6/2002	1	3	TB	10	I	2	10	52.38	17.63	5.79
12/6/2002	1	3	TB	11	I	0	20	48.95	16.64	5.26
12/6/2002	1	3	TB	12	I	1	20	53.94	8.71	3.30
12/6/2002	1	3	TB	13	I	2	20	48.85	16.50	5.01
12/6/2002	1	3	TB	14	N	1	0	49.48	20.24	6.20
12/6/2002	1	3	TB	15	N	2	0	48.80	22.98	7.85
12/6/2002	1	3	TB	16	N	0	5	45.65	18.89	5.83
12/6/2002	1	3	TB	17	N	1	5	45.66	21.84	7.74

12/6/2002	1	3	TB	18	N	2	5	49.25	21.70	7.45
12/6/2002	1	3	TB	19	N	0	10	48.65	23.66	8.34
12/6/2002	1	3	TB	20	N	1	10	49.57	16.88	6.07
12/6/2002	1	3	TB	21	N	2	10	49.30	20.76	7.29
12/6/2002	1	3	TB	22	N	0	20	54.84	20.48	7.30
12/6/2002	1	3	TB	23	N	1	20	47.33	16.77	4.71
12/6/2002	1	3	TB	24	N	2	20	47.91	20.70	6.78
12/10/2002	1	7	SL	1	N	0	0	46.79	17.26	4.86
12/10/2002	1	7	SL	2	I	0	0	43.90	12.66	2.44
12/10/2002	1	7	SL	3	I	1	0	41.95	12.94	2.70
12/10/2002	1	7	SL	4	I	2	0	42.39	13.15	3.35
12/10/2002	1	7	SL	5	I	0	5	44.73	14.02	4.00
12/10/2002	1	7	SL	6	I	1	5	47.70	16.15	5.64
12/10/2002	1	7	SL	7	I	2	5	44.99	15.51	4.28
12/10/2002	1	7	SL	8	I	0	10	44.67	13.28	3.46
12/10/2002	1	7	SL	9	I	1	10	41.35	16.34	4.62
12/10/2002	1	7	SL	10	I	2	10	47.68	14.58	4.10
12/10/2002	1	7	SL	11	I	0	20	42.18	12.55	2.50
12/10/2002	1	7	SL	12	I	1	20	44.73	12.82	3.23
12/10/2002	1	7	SL	13	I	2	20	45.11	13.89	4.10
12/10/2002	1	7	SL	14	N	1	0	48.05	18.33	6.38
12/10/2002	1	7	SL	15	N	2	0	45.01	17.26	5.23
12/10/2002	1	7	SL	16	N	0	5	48.10	18.78	6.18
12/10/2002	1	7	SL	17	N	1	5	50.84	20.01	6.97
12/10/2002	1	7	SL	18	N	2	5	48.89	20.54	7.17
12/10/2002	1	7	SL	19	N	0	10	53.14	16.11	5.38
12/10/2002	1	7	SL	20	N	1	10	44.74	19.24	6.39
12/10/2002	1	7	SL	21	N	2	10	47.45	18.27	5.31
12/10/2002	1	7	SL	22	N	0	20	43.79	21.49	7.32
12/10/2002	1	7	SL	23	N	1	20	50.30	16.89	5.74
12/10/2002	1	7	SL	24	N	2	20	49.04	18.55	6.16
12/10/2002	1	7	TB	1	N	0	0	47.53	16.62	4.53
12/10/2002	1	7	TB	2	I	0	0	47.93	18.80	5.53
12/10/2002	1	7	TB	3	I	1	0	47.55	20.83	6.12
12/10/2002	1	7	TB	4	I	2	0	44.61	20.84	6.37
12/10/2002	1	7	TB	5	I	0	5	46.07	19.20	5.87
12/10/2002	1	7	TB	6	I	1	5	44.94	16.87	4.91
12/10/2002	1	7	TB	7	I	2	5	44.13	16.79	5.11
12/10/2002	1	7	TB	8	I	0	10	45.94	19.18	5.85
12/10/2002	1	7	TB	9	I	1	10	48.25	16.61	4.85
12/10/2002	1	7	TB	10	I	2	10	46.73	15.91	4.33
12/10/2002	1	7	TB	11	I	0	20	44.76	17.17	6.18
12/10/2002	1	7	TB	12	I	1	20	43.51	14.88	4.16

12/10/2002	1	7	TB	13	I	2	20	44.56	18.21	5.52
12/10/2002	1	7	TB	14	N	1	0	47.48	20.42	5.50
12/10/2002	1	7	TB	15	N	2	0	46.76	22.66	7.34
12/10/2002	1	7	TB	16	N	0	5	45.86	17.92	5.57
12/10/2002	1	7	TB	17	N	1	5	45.60	62.80	6.05
12/10/2002	1	7	TB	18	N	2	5	46.92	19.94	6.05
12/10/2002	1	7	TB	19	N	0	10	49.81	17.95	5.28
12/10/2002	1	7	TB	20	N	1	10	44.98	19.55	5.99
12/10/2002	1	7	TB	21	N	2	10	43.81	19.27	6.50
12/10/2002	1	7	TB	22	N	0	20	45.87	16.13	4.24
12/10/2002	1	7	TB	23	N	1	20	46.76	13.12	3.11
12/10/2002	1	7	TB	24	N	2	20	49.16	17.66	5.53
12/13/2002	1	10	SL	1	N	0	0	49.99	18.49	6.62
12/13/2002	1	10	SL	2	I	0	0	44.70	13.76	4.31
12/13/2002	1	10	SL	3	I	1	0	47.67	15.88	6.37
12/13/2002	1	10	SL	4	I	2	0	42.56	14.29	4.98
12/13/2002	1	10	SL	5	I	0	5	48.25	15.01	5.76
12/13/2002	1	10	SL	6	I	1	5	45.72	11.68	5.01
12/13/2002	1	10	SL	7	I	2	5	46.73	15.07	6.14
12/13/2002	1	10	SL	8	I	0	10	45.07	12.37	4.31
12/13/2002	1	10	SL	9	I	1	10	44.52	14.95	5.72
12/13/2002	1	10	SL	10	I	2	10	43.68	16.74	6.16
12/13/2002	1	10	SL	11	I	0	20	41.86	18.85	6.81
12/13/2002	1	10	SL	12	I	1	20	45.65	13.79	4.65
12/13/2002	1	10	SL	13	I	2	20	41.58	15.40	5.44
12/13/2002	1	10	SL	14	N	1	0	47.87	19.57	8.17
12/13/2002	1	10	SL	15	N	2	0	45.19	10.91	1.53
12/13/2002	1	10	SL	16	N	0	5	49.77	19.02	7.53
12/13/2002	1	10	SL	17	N	1	5	50.03	21.64	9.09
12/13/2002	1	10	SL	18	N	2	5	52.99	20.09	9.15
12/13/2002	1	10	SL	19	N	0	10	50.61	21.19	8.77
12/13/2002	1	10	SL	20	N	1	10	46.75	20.12	7.62
12/13/2002	1	10	SL	21	N	2	10	46.39	21.50	8.63
12/13/2002	1	10	SL	22	N	0	20	46.50	21.18	7.93
12/13/2002	1	10	SL	23	N	1	20	48.53	19.98	8.04
12/13/2002	1	10	SL	24	N	2	20	47.48	20.42	8.60
12/13/2002	1	10	TB	1	N	0	0	44.65	18.79	6.85
12/13/2002	1	10	TB	2	I	0	0	45.27	20.21	7.81
12/13/2002	1	10	TB	3	I	1	0	42.22	20.44	6.98
12/13/2002	1	10	TB	4	I	2	0	47.31	15.47	5.60
12/13/2002	1	10	TB	5	I	0	5	55.28	14.81	8.51
12/13/2002	1	10	TB	6	I	1	5	45.89	19.47	7.46
12/13/2002	1	10	TB	7	I	2	5	41.67	18.47	6.50

12/13/2002	1	10	TB	8	I	0	10	44.56	17.94	6.51
12/13/2002	1	10	TB	9	I	1	10	46.23	18.27	7.12
12/13/2002	1	10	TB	10	I	2	10	44.91	10.11	3.60
12/13/2002	1	10	TB	11	I	0	20	42.98	13.27	6.41
12/13/2002	1	10	TB	12	I	1	20	43.05	22.28	8.33
12/13/2002	1	10	TB	13	I	2	20	46.36	19.92	6.94
12/13/2002	1	10	TB	14	N	1	0	43.82	24.45	8.67
12/13/2002	1	10	TB	15	N	2	0	49.23	17.13	6.13
12/13/2002	1	10	TB	16	N	0	5	46.64	19.25	7.41
12/13/2002	1	10	TB	17	N	1	5	179.29	20.90	7.70
12/13/2002	1	10	TB	18	N	2	5	46.44	19.44	7.52
12/13/2002	1	10	TB	19	N	0	10	41.14	14.91	7.45
12/13/2002	1	10	TB	20	N	1	10	45.79	16.64	7.08
12/13/2002	1	10	TB	21	N	2	10	45.36	17.95	6.77
12/13/2002	1	10	TB	22	N	0	20	47.75	22.23	9.39
12/13/2002	1	10	TB	23	N	1	20	43.07	14.94	6.04
12/13/2002	1	10	TB	24	N	2	20	44.03	19.15	6.90
12/13/2002	1	14	SL	1	N	0	0	0.00	0.00	0.00
12/13/2002	1	14	SL	2	I	0	0	0.00	0.00	0.00
12/13/2002	1	14	SL	3	I	1	0	0.00	0.00	0.00
12/13/2002	1	14	SL	4	I	2	0	0.00	0.00	0.00
12/13/2002	1	14	SL	5	I	0	5	0.00	0.00	0.00
12/13/2002	1	14	SL	6	I	1	5	0.00	0.00	0.00
12/13/2002	1	14	SL	7	I	2	5	0.00	0.00	0.00
12/13/2002	1	14	SL	8	I	0	10	0.00	0.00	0.00
12/13/2002	1	14	SL	9	I	1	10	0.00	0.00	0.00
12/13/2002	1	14	SL	10	I	2	10	0.00	0.00	0.00
12/13/2002	1	14	SL	11	I	0	20	0.00	0.00	0.00
12/13/2002	1	14	SL	12	I	1	20	0.00	0.00	0.00
12/13/2002	1	14	SL	13	I	2	20	0.00	0.00	0.00
12/13/2002	1	14	SL	14	N	1	0	0.00	0.00	0.00
12/13/2002	1	14	SL	15	N	2	0	0.00	0.00	0.00
12/13/2002	1	14	SL	16	N	0	5	0.00	0.00	0.00
12/13/2002	1	14	SL	17	N	1	5	0.00	0.00	0.00
12/13/2002	1	14	SL	18	N	2	5	0.00	0.00	0.00
12/13/2002	1	14	SL	19	N	0	10	0.00	0.00	0.00
12/13/2002	1	14	SL	20	N	1	10	0.00	0.00	0.00
12/13/2002	1	14	SL	21	N	2	10	0.00	0.00	0.00
12/13/2002	1	14	SL	22	N	0	20	0.00	0.00	0.00
12/13/2002	1	14	SL	23	N	1	20	0.00	0.00	0.00
12/13/2002	1	14	SL	24	N	2	20	0.00	0.00	0.00
12/13/2002	1	14	TB	1	N	0	0	0.00	0.00	0.00
12/13/2002	1	14	TB	2	I	0	0	0.00	0.00	0.00

12/13/2002	1	14	TB	3	I	1	0	0.00	0.00	0.00
12/13/2002	1	14	TB	4	I	2	0	0.00	0.00	0.00
12/13/2002	1	14	TB	5	I	0	5	0.00	0.00	0.00
12/13/2002	1	14	TB	6	I	1	5	0.00	0.00	0.00
12/13/2002	1	14	TB	7	I	2	5	0.00	0.00	0.00
12/13/2002	1	14	TB	8	I	0	10	0.00	0.00	0.00
12/13/2002	1	14	TB	9	I	1	10	0.00	0.00	0.00
12/13/2002	1	14	TB	10	I	2	10	0.00	0.00	0.00
12/13/2002	1	14	TB	11	I	0	20	0.00	0.00	0.00
12/13/2002	1	14	TB	12	I	1	20	0.00	0.00	0.00
12/13/2002	1	14	TB	13	I	2	20	0.00	0.00	0.00
12/13/2002	1	14	TB	14	N	1	0	0.00	0.00	0.00
12/13/2002	1	14	TB	15	N	2	0	0.00	0.00	0.00
12/13/2002	1	14	TB	16	N	0	5	0.00	0.00	0.00
12/13/2002	1	14	TB	17	N	1	5	0.00	0.00	0.00
12/13/2002	1	14	TB	18	N	2	5	0.00	0.00	0.00
12/13/2002	1	14	TB	19	N	0	10	0.00	0.00	0.00
12/13/2002	1	14	TB	20	N	1	10	0.00	0.00	0.00
12/13/2002	1	14	TB	21	N	2	10	0.00	0.00	0.00
12/13/2002	1	14	TB	22	N	0	20	0.00	0.00	0.00
12/13/2002	1	14	TB	23	N	1	20	0.00	0.00	0.00
12/13/2002	1	14	TB	24	N	2	20	0.00	0.00	0.00
12/13/2002	1	14	TB	1	N	0	0	0.00	0.00	0.00
12/13/2002	1	14	TB	2	I	0	0	0.00	0.00	0.00
12/13/2002	1	14	TB	3	I	1	0	0.00	0.00	0.00
12/13/2002	1	14	TB	4	I	2	0	0.00	0.00	0.00
12/13/2002	1	14	TB	5	I	0	5	0.00	0.00	0.00
12/13/2002	1	14	TB	6	I	1	5	0.00	0.00	0.00
12/13/2002	1	14	TB	7	I	2	5	0.00	0.00	0.00
12/13/2002	1	14	TB	8	I	0	10	0.00	0.00	0.00
12/13/2002	1	14	TB	9	I	1	10	0.00	0.00	0.00
12/13/2002	1	14	TB	10	I	2	10	0.00	0.00	0.00
12/13/2002	1	14	TB	11	I	0	20	0.00	0.00	0.00
12/13/2002	1	14	TB	12	I	1	20	0.00	0.00	0.00
12/13/2002	1	14	TB	13	I	2	20	0.00	0.00	0.00
12/13/2002	1	14	TB	14	N	1	0	0.00	0.00	0.00
12/13/2002	1	14	TB	15	N	2	0	0.00	0.00	0.00
12/13/2002	1	14	TB	16	N	0	5	0.00	0.00	0.00
12/13/2002	1	14	TB	17	N	1	5	0.00	0.00	0.00
12/13/2002	1	14	TB	18	N	2	5	0.00	0.00	0.00
12/13/2002	1	14	TB	19	N	0	10	0.00	0.00	0.00
12/13/2002	1	14	TB	20	N	1	10	0.00	0.00	0.00
12/13/2002	1	14	TB	21	N	2	10	0.00	0.00	0.00

12/13/2002	1	14	TB	22	N	0	20	0.00	0.00	0.00
12/13/2002	1	14	TB	23	N	1	20	0.00	0.00	0.00
12/13/2002	1	14	TB	24	N	2	20	0.00	0.00	0.00
12/6/2002	2	1	SL	1	N	0	0	47.64	18.46	6.73
12/6/2002	2	1	SL	2	I	0	0	.	.	.
12/6/2002	2	1	SL	3	I	1	0	.	.	.
12/6/2002	2	1	SL	4	I	2	0	.	.	.
12/6/2002	2	1	SL	5	I	0	5	.	.	.
12/6/2002	2	1	SL	6	I	1	5	46.31	14.38	3.88
12/6/2002	2	1	SL	7	I	2	5	46.44	18.62	6.47
12/6/2002	2	1	SL	8	I	0	10	46.35	13.39	3.84
12/6/2002	2	1	SL	9	I	1	10	47.62	14.41	4.52
12/6/2002	2	1	SL	10	I	2	10	47.73	13.91	4.86
12/6/2002	2	1	SL	11	I	0	20	44.88	15.28	4.50
12/6/2002	2	1	SL	12	I	1	20	48.87	16.29	5.94
12/6/2002	2	1	SL	13	I	2	20	46.68	13.90	3.94
12/6/2002	2	1	SL	14	N	1	0	48.44	17.93	5.85
12/6/2002	2	1	SL	15	N	2	0	.	.	.
12/6/2002	2	1	SL	16	N	0	5	45.52	17.70	5.56
12/6/2002	2	1	SL	17	N	1	5	45.20	20.89	6.87
12/6/2002	2	1	SL	18	N	2	5	46.95	20.28	6.71
12/6/2002	2	1	SL	19	N	0	10	47.72	19.66	6.85
12/6/2002	2	1	SL	20	N	1	10	47.03	20.54	7.01
12/6/2002	2	1	SL	21	N	2	10	49.32	20.50	7.49
12/6/2002	2	1	SL	22	N	0	20	50.73	19.99	7.03
12/6/2002	2	1	SL	23	N	1	20	.	.	.
12/6/2002	2	1	SL	24	N	2	20	48.80	20.20	7.23
12/6/2002	2	1	TB	1	N	0	0	43.46	21.77	7.42
12/6/2002	2	1	TB	2	I	0	0	47.55	16.99	5.30
12/6/2002	2	1	TB	3	I	1	0	.	.	.
12/6/2002	2	1	TB	4	I	2	0	46.19	19.43	6.62
12/6/2002	2	1	TB	5	I	0	5	48.43	18.36	6.06
12/6/2002	2	1	TB	6	I	1	5	49.13	16.50	5.14
12/6/2002	2	1	TB	7	I	2	5	44.04	21.19	6.85
12/6/2002	2	1	TB	8	I	0	10	46.36	20.21	7.44
12/6/2002	2	1	TB	9	I	1	10	49.16	18.14	5.94
12/6/2002	2	1	TB	10	I	2	10	45.03	17.04	6.49
12/6/2002	2	1	TB	11	I	0	20	45.38	19.93	6.88
12/6/2002	2	1	TB	12	I	1	20	46.17	18.76	5.90
12/6/2002	2	1	TB	13	I	2	20	46.69	17.27	6.17
12/6/2002	2	1	TB	14	N	1	0	49.21	17.31	5.73
12/6/2002	2	1	TB	15	N	2	0	48.39	19.05	6.11
12/6/2002	2	1	TB	16	N	0	5	45.74	17.18	5.55

12/6/2002	2	1	TB	17	N	1	5	46.37	21.79	7.46
12/6/2002	2	1	TB	18	N	2	5	48.95	17.53	5.71
12/6/2002	2	1	TB	19	N	0	10	45.92	18.34	5.26
12/6/2002	2	1	TB	20	N	1	10	43.92	24.83	8.85
12/6/2002	2	1	TB	21	N	2	10	50.03	18.64	5.67
12/6/2002	2	1	TB	22	N	0	20	45.93	21.79	7.31
12/6/2002	2	1	TB	23	N	1	20	48.54	23.63	9.49
12/6/2002	2	1	TB	24	N	2	20	44.94	17.15	5.89
12/8/2002	2	3	SL	1	N	0	0	0.00	0.00	0.00
12/8/2002	2	3	SL	2	I	0	0	0.00	0.00	0.00
12/8/2002	2	3	SL	3	I	1	0	0.00	0.00	0.00
12/8/2002	2	3	SL	4	I	2	0	0.00	0.00	0.00
12/8/2002	2	3	SL	5	I	0	5	0.00	0.00	0.00
12/8/2002	2	3	SL	6	I	1	5	0.00	0.00	0.00
12/8/2002	2	3	SL	7	I	2	5	0.00	0.00	0.00
12/8/2002	2	3	SL	8	I	0	10	0.00	0.00	0.00
12/8/2002	2	3	SL	9	I	1	10	0.00	0.00	0.00
12/8/2002	2	3	SL	10	I	2	10	0.00	0.00	0.00
12/8/2002	2	3	SL	11	I	0	20	0.00	0.00	0.00
12/8/2002	2	3	SL	12	I	1	20	0.00	0.00	0.00
12/8/2002	2	3	SL	13	I	2	20	0.00	0.00	0.00
12/8/2002	2	3	SL	14	N	1	0	0.00	0.00	0.00
12/8/2002	2	3	SL	15	N	2	0	0.00	0.00	0.00
12/8/2002	2	3	SL	16	N	0	5	0.00	0.00	0.00
12/8/2002	2	3	SL	17	N	1	5	0.00	0.00	0.00
12/8/2002	2	3	SL	18	N	2	5	0.00	0.00	0.00
12/8/2002	2	3	SL	19	N	0	10	0.00	0.00	0.00
12/8/2002	2	3	SL	20	N	1	10	0.00	0.00	0.00
12/8/2002	2	3	SL	21	N	2	10	0.00	0.00	0.00
12/8/2002	2	3	SL	22	N	0	20	0.00	0.00	0.00
12/8/2002	2	3	SL	23	N	1	20	0.00	0.00	0.00
12/8/2002	2	3	SL	24	N	2	20	0.00	0.00	0.00
12/8/2002	2	3	SL	1	N	0	0	0.00	0.00	0.00
12/8/2002	2	3	SL	2	I	0	0	0.00	0.00	0.00
12/8/2002	2	3	SL	3	I	1	0	0.00	0.00	0.00
12/8/2002	2	3	SL	4	I	2	0	0.00	0.00	0.00
12/8/2002	2	3	SL	5	I	0	5	0.00	0.00	0.00
12/8/2002	2	3	SL	6	I	1	5	0.00	0.00	0.00
12/8/2002	2	3	SL	7	I	2	5	0.00	0.00	0.00
12/8/2002	2	3	SL	8	I	0	10	0.00	0.00	0.00
12/8/2002	2	3	SL	9	I	1	10	0.00	0.00	0.00
12/8/2002	2	3	SL	10	I	2	10	0.00	0.00	0.00
12/8/2002	2	3	SL	11	I	0	20	0.00	0.00	0.00

12/8/2002	2	3	SL	12	I	1	20	0.00	0.00	0.00
12/8/2002	2	3	SL	13	I	2	20	0.00	0.00	0.00
12/8/2002	2	3	SL	14	N	1	0	0.00	0.00	0.00
12/8/2002	2	3	SL	15	N	2	0	0.00	0.00	0.00
12/8/2002	2	3	SL	16	N	0	5	0.00	0.00	0.00
12/8/2002	2	3	SL	17	N	1	5	0.00	0.00	0.00
12/8/2002	2	3	SL	18	N	2	5	0.00	0.00	0.00
12/8/2002	2	3	SL	19	N	0	10	0.00	0.00	0.00
12/8/2002	2	3	SL	20	N	1	10	0.00	0.00	0.00
12/8/2002	2	3	SL	21	N	2	10	0.00	0.00	0.00
12/8/2002	2	3	SL	22	N	0	20	0.00	0.00	0.00
12/8/2002	2	3	SL	23	N	1	20	0.00	0.00	0.00
12/8/2002	2	3	SL	24	N	2	20	0.00	0.00	0.00
12/8/2002	2	3	TB	1	N	0	0	0.00	0.00	0.00
12/8/2002	2	3	TB	2	I	0	0	0.00	0.00	0.00
12/8/2002	2	3	TB	3	I	1	0	0.00	0.00	0.00
12/8/2002	2	3	TB	4	I	2	0	0.00	0.00	0.00
12/8/2002	2	3	TB	5	I	0	5	0.00	0.00	0.00
12/8/2002	2	3	TB	6	I	1	5	0.00	0.00	0.00
12/8/2002	2	3	TB	7	I	2	5	0.00	0.00	0.00
12/8/2002	2	3	TB	8	I	0	10	0.00	0.00	0.00
12/8/2002	2	3	TB	9	I	1	10	0.00	0.00	0.00
12/8/2002	2	3	TB	10	I	2	10	0.00	0.00	0.00
12/8/2002	2	3	TB	11	I	0	20	0.00	0.00	0.00
12/8/2002	2	3	TB	12	I	1	20	0.00	0.00	0.00
12/8/2002	2	3	TB	13	I	2	20	0.00	0.00	0.00
12/8/2002	2	3	TB	14	N	1	0	0.00	0.00	0.00
12/8/2002	2	3	TB	15	N	2	0	0.00	0.00	0.00
12/8/2002	2	3	TB	16	N	0	5	0.00	0.00	0.00
12/8/2002	2	3	TB	17	N	1	5	0.00	0.00	0.00
12/8/2002	2	3	TB	18	N	2	5	0.00	0.00	0.00
12/8/2002	2	3	TB	19	N	0	10	0.00	0.00	0.00
12/8/2002	2	3	TB	20	N	1	10	0.00	0.00	0.00
12/8/2002	2	3	TB	21	N	2	10	0.00	0.00	0.00
12/8/2002	2	3	TB	22	N	0	20	0.00	0.00	0.00
12/8/2002	2	3	TB	23	N	1	20	0.00	0.00	0.00
12/8/2002	2	3	TB	24	N	2	20	0.00	0.00	0.00
12/12/2002	2	7	SL	1	N	0	0	47.35	19.12	7.68
12/12/2002	2	7	SL	2	I	0	0	43.02	18.00	7.00
12/12/2002	2	7	SL	3	I	1	0	46.64	15.05	5.79
12/12/2002	2	7	SL	4	I	2	0	.	.	.
12/12/2002	2	7	SL	5	I	0	5	.	.	.
12/12/2002	2	7	SL	6	I	1	5	.	.	.

12/12/2002	2	7	SL	7	I	2	5	43.68	18.35	7.13
12/12/2002	2	7	SL	8	I	0	10	45.36	16.02	6.27
12/12/2002	2	7	SL	9	I	1	10	45.58	14.51	5.00
12/12/2002	2	7	SL	10	I	2	10	41.22	19.24	7.41
12/12/2002	2	7	SL	11	I	0	20	43.19	15.63	5.84
12/12/2002	2	7	SL	12	I	1	20	48.07	14.07	5.35
12/12/2002	2	7	SL	13	I	2	20	42.96	13.61	4.44
12/12/2002	2	7	SL	14	N	1	0	47.68	20.40	8.35
12/12/2002	2	7	SL	15	N	2	0	44.93	21.94	8.44
12/12/2002	2	7	SL	16	N	0	5	45.64	19.14	7.24
12/12/2002	2	7	SL	17	N	1	5	44.17	21.53	8.21
12/12/2002	2	7	SL	18	N	2	5	45.52	21.49	8.08
12/12/2002	2	7	SL	19	N	0	10	45.87	21.14	8.48
12/12/2002	2	7	SL	20	N	1	10	48.87	21.78	9.43
12/12/2002	2	7	SL	21	N	2	10	49.80	18.85	7.92
12/12/2002	2	7	SL	22	N	0	20	52.46	19.17	9.04
12/12/2002	2	7	SL	23	N	1	20	45.49	24.34	10.36
12/12/2002	2	7	SL	24	N	2	20	.	.	.
12/12/2002	2	7	TB	1	N	0	0	.	.	.
12/12/2002	2	7	TB	2	I	0	0	41.78	17.56	6.69
12/12/2002	2	7	TB	3	I	1	0	44.12	20.90	7.80
12/12/2002	2	7	TB	4	I	2	0	45.56	17.63	6.75
12/12/2002	2	7	TB	5	I	0	5	49.38	19.20	8.74
12/12/2002	2	7	TB	6	I	1	5	44.71	17.33	6.20
12/12/2002	2	7	TB	7	I	2	5	47.80	17.23	6.07
12/12/2002	2	7	TB	8	I	0	10	45.91	20.73	8.16
12/12/2002	2	7	TB	9	I	1	10	46.45	20.46	7.89
12/12/2002	2	7	TB	10	I	2	10	49.06	16.89	6.26
12/12/2002	2	7	TB	11	I	0	20	44.13	20.14	7.50
12/12/2002	2	7	TB	12	I	1	20	45.17	19.78	7.44
12/12/2002	2	7	TB	13	I	2	20	43.09	19.42	7.37
12/12/2002	2	7	TB	14	N	1	0	47.13	18.73	7.35
12/12/2002	2	7	TB	15	N	2	0	48.93	18.13	6.77
12/12/2002	2	7	TB	16	N	0	5	44.97	22.56	8.19
12/12/2002	2	7	TB	17	N	1	5	49.47	20.25	7.45
12/12/2002	2	7	TB	18	N	2	5	45.70	20.62	8.11
12/12/2002	2	7	TB	19	N	0	10	46.19	18.50	6.22
12/12/2002	2	7	TB	20	N	1	10	45.73	19.16	7.06
12/12/2002	2	7	TB	21	N	2	10	44.42	21.81	8.44
12/12/2002	2	7	TB	22	N	0	20	45.42	20.46	7.20
12/12/2002	2	7	TB	23	N	1	20	48.30	21.02	8.71
12/12/2002	2	7	TB	24	N	2	20	44.67	21.23	8.30
12/13/2002	3	3	SL	1	N	0	0	47.03	18.60	6.67

12/13/2002	3	3	SL	2	I	0	0	46.54	17.91	6.87
12/13/2002	3	3	SL	3	I	1	0	47.72	15.59	5.98
12/13/2002	3	3	SL	4	I	2	0	46.04	12.12	3.96
12/13/2002	3	3	SL	5	I	0	5	44.99	13.72	4.37
12/13/2002	3	3	SL	6	I	1	5	44.98	14.34	4.97
12/13/2002	3	3	SL	7	I	2	5	46.80	16.40	6.25
12/13/2002	3	3	SL	8	I	0	10	41.16	14.46	4.84
12/13/2002	3	3	SL	9	I	1	10	47.60	17.15	6.68
12/13/2002	3	3	SL	10	I	2	10	47.64	16.99	5.91
12/13/2002	3	3	SL	11	I	0	20	46.67	11.48	3.73
12/13/2002	3	3	SL	12	I	1	20	48.91	14.25	5.65
12/13/2002	3	3	SL	13	I	2	20	44.27	13.82	4.34
12/13/2002	3	3	SL	14	N	1	0	.	.	.
12/13/2002	3	3	SL	15	N	2	0	50.19	19.65	8.07
12/13/2002	3	3	SL	16	N	0	5	43.95	17.51	6.15
12/13/2002	3	3	SL	17	N	1	5	50.83	22.02	8.58
12/13/2002	3	3	SL	18	N	2	5	48.87	22.03	8.29
12/13/2002	3	3	SL	19	N	0	10	47.55	17.12	6.08
12/13/2002	3	3	SL	20	N	1	10	45.69	23.16	8.34
12/13/2002	3	3	SL	21	N	2	10	46.85	21.50	8.31
12/13/2002	3	3	SL	22	N	0	20	49.47	21.31	8.40
12/13/2002	3	3	SL	23	N	1	20	50.64	20.80	8.83
12/13/2002	3	3	SL	24	N	2	20	49.00	19.38	7.54

Panelist	Date	Rep	Day	Muscle	Injected	BLADE	VT	Raw	AmtDis	Discolor	Cooked
Teresa	11/1	1	3	CT	N	0	0	5	3	1	
Teresa	11/1	1	3	CT	I	0	0	5	3	1	
Teresa	11/1	1	3	CT	I	1	0	6	2	5	
Teresa	11/1	1	3	CT	I	2	0	5	2	1	
Teresa	11/1	1	3	CT	I	0	5	5	2	4	
Teresa	11/1	1	3	CT	I	1	5	6	4	5	
Teresa	11/1	1	3	CT	I	2	5	4	3	3	
Teresa	11/1	1	3	CT	I	0	10	4	2	3	
Teresa	11/1	1	3	CT	I	1	10	6	4	5	
Teresa	11/1	1	3	CT	I	2	10	5	3	1	
Teresa	11/1	1	3	CT	I	0	20	5	2	4	
Teresa	11/1	1	3	CT	I	1	20	4	2	3	
Teresa	11/1	1	3	CT	I	2	20	4	2	3	
Teresa	11/1	1	3	CT	N	1	0	4	2	3	
Teresa	11/1	1	3	CT	N	2	0	5	3	1	
Teresa	11/1	1	3	CT	N	0	5	6	1	0	
Teresa	11/1	1	3	CT	N	1	5	6	1	0	
Teresa	11/1	1	3	CT	N	2	5	6	1	0	
Teresa	11/1	1	3	CT	N	0	10	5	1	0	
Teresa	11/1	1	3	CT	N	1	10	5	2	4	
Teresa	11/1	1	3	CT	N	2	10	5	2	1	
Teresa	11/1	1	3	CT	N	0	20	5	2	4	
Teresa	11/1	1	3	CT	N	1	20	5	1	0	
Teresa	11/1	1	3	CT	N	2	20	5	4	4	
Blaine	11/1	1	3	CT	N	0	0	5	2	2	
Blaine	11/1	1	3	CT	I	0	0	4	3	1	
Blaine	11/1	1	3	CT	I	1	0	5	2	2	
Blaine	11/1	1	3	CT	I	2	0	4	3	1	
Blaine	11/1	1	3	CT	I	0	5	5	3	2	
Blaine	11/1	1	3	CT	I	1	5	5	4	2	
Blaine	11/1	1	3	CT	I	2	5	3	2	4	
Blaine	11/1	1	3	CT	I	0	10	4	2	2	
Blaine	11/1	1	3	CT	I	1	10	5	2	1	
Blaine	11/1	1	3	CT	I	2	10	4	3	1	
Blaine	11/1	1	3	CT	I	0	20	5	5	2	
Blaine	11/1	1	3	CT	I	1	20	4	2	2	
Blaine	11/1	1	3	CT	I	2	20	4	3	3	
Blaine	11/1	1	3	CT	N	1	0	4	4	2	
Blaine	11/1	1	3	CT	N	2	0	5	5	1	
Blaine	11/1	1	3	CT	N	0	5	5	1	0	

Blaine	11/1	1	3	CT	N	1	5	5	1	0
Blaine	11/1	1	3	CT	N	2	5	5	2	2
Blaine	11/1	1	3	CT	N	0	10	5	2	2
Blaine	11/1	1	3	CT	N	1	10	4	2	2
Blaine	11/1	1	3	CT	N	2	10	5	2	2
Blaine	11/1	1	3	CT	N	0	20	5	4	2
Blaine	11/1	1	3	CT	N	1	20	5	2	2
Blaine	11/1	1	3	CT	N	2	20	5	5	2
Tracey	11/1	1	3	CT	N	0	0	5	3	2
Tracey	11/1	1	3	CT	I	0	0	5	3	1
Tracey	11/1	1	3	CT	I	1	0	4	2	2
Tracey	11/1	1	3	CT	I	2	0	5	3	1
Tracey	11/1	1	3	CT	I	0	5	5	3	2
Tracey	11/1	1	3	CT	I	1	5	5	2	2
Tracey	11/1	1	3	CT	I	2	5	5	5	2
Tracey	11/1	1	3	CT	I	0	10	4	2	2
Tracey	11/1	1	3	CT	I	1	10	5	2	1
Tracey	11/1	1	3	CT	I	2	10	4	4	1
Tracey	11/1	1	3	CT	I	0	20	5	2	2
Tracey	11/1	1	3	CT	I	1	20	3	2	5
Tracey	11/1	1	3	CT	I	2	20	4	5	3
Tracey	11/1	1	3	CT	N	1	0	4	3	2
Tracey	11/1	1	3	CT	N	2	0	5	2	1
Tracey	11/1	1	3	CT	N	0	5	5	1	0
Tracey	11/1	1	3	CT	N	1	5	5	1	0
Tracey	11/1	1	3	CT	N	2	5	.	.	.
Tracey	11/1	1	3	CT	N	0	10	5	2	2
Tracey	11/1	1	3	CT	N	1	10	5	2	2
Tracey	11/1	1	3	CT	N	2	10	.	.	.
Tracey	11/1	1	3	CT	N	0	20	5	4	2
Tracey	11/1	1	3	CT	N	1	20	5	2	4
Tracey	11/1	1	3	CT	N	2	20	4	2	5
Tracey	11/1	1	3	BF	N	0	0	5	3	17
Tracey	11/1	1	3	BF	I	0	0	5	4	14
Tracey	11/1	1	3	BF	I	1	0	5	4	16
Tracey	11/1	1	3	BF	I	2	0	5	5	17
Tracey	11/1	1	3	BF	I	0	5	4	1	03
Tracey	11/1	1	3	BF	I	1	5	4	4	15
Tracey	11/1	1	3	BF	I	2	5	.	.	..
Tracey	11/1	1	3	BF	I	0	10	5	5	16
Tracey	11/1	1	3	BF	I	1	10	5	3	16
Tracey	11/1	1	3	BF	I	2	10	3	4	14
Tracey	11/1	1	3	BF	I	0	20	5	6	16

Tracey	11/1	1	3	BF	I	1	20	5	5	1	5
Tracey	11/1	1	3	BF	I	2	20	5	6	1	5
Tracey	11/1	1	3	BF	N	1	0	5	5	1	5
Tracey	11/1	1	3	BF	N	2	0	.	.	.	6
Tracey	11/1	1	3	BF	N	0	5	5	3	1	6
Tracey	11/1	1	3	BF	N	1	5	5	6	1	6
Tracey	11/1	1	3	BF	N	2	5	5	7	1	2
Tracey	11/1	1	3	BF	N	0	10	.	.	.	.
Tracey	11/1	1	3	BF	N	1	10	5	5	1	7
Tracey	11/1	1	3	BF	N	2	10	5	5	1	5
Tracey	11/1	1	3	BF	N	0	20	5	6	1	6
Tracey	11/1	1	3	BF	N	1	20	5	1	0	5
Tracey	11/1	1	3	BF	N	2	20	2	1	0	5
Blaine	10/30	1	1	BF	N	0	0	5	2	1	4
Blaine	10/30	1	1	BF	I	0	0	5	4	1	4
Blaine	10/30	1	1	BF	I	1	0	5	6	1	6
Blaine	10/30	1	1	BF	I	2	0	.	.	.	.
Blaine	10/30	1	1	BF	I	0	5	4	2	1	4
Blaine	10/30	1	1	BF	I	1	5	3	4	1	4
Blaine	10/30	1	1	BF	I	2	5	5	5	1	4
Blaine	10/30	1	1	BF	I	0	10	5	2	1	4
Blaine	10/30	1	1	BF	I	1	10	5	5	1	4
Blaine	10/30	1	1	BF	I	2	10	5	5	1	5
Blaine	10/30	1	1	BF	I	0	20	5	6	1	6
Blaine	10/30	1	1	BF	I	1	20	5	5	1	4
Blaine	10/30	1	1	BF	I	2	20	5	3	1	6
Blaine	10/30	1	1	BF	N	1	0	5	6	1	4
Blaine	10/30	1	1	BF	N	2	0	5	3	1	4
Blaine	10/30	1	1	BF	N	0	5	4	6	1	.
Blaine	10/30	1	1	BF	N	1	5	4	6	1	4
Blaine	10/30	1	1	BF	N	2	5	4	4	1	3
Blaine	10/30	1	1	BF	N	0	10	5	2	1	2
Blaine	10/30	1	1	BF	N	1	10	5	5	2	5
Blaine	10/30	1	1	BF	N	2	10	5	5	1	5
Blaine	10/30	1	1	BF	N	0	20	4	5	1	6
Blaine	10/30	1	1	BF	N	1	20	5	2	2	3
Blaine	10/30	1	1	BF	N	2	20	4	1	0	4
Blaine	10/30	1	1	CT	N	0	0	5	2	1	3
Blaine	10/30	1	1	CT	I	0	0	4	6	1	4
Blaine	10/30	1	1	CT	I	1	0	4	2	1	6
Blaine	10/30	1	1	CT	I	2	0	5	1	0	4
Blaine	10/30	1	1	CT	I	0	5	6	5	1	4
Blaine	10/30	1	1	CT	I	1	5	5	1	0	3

Blaine	10/30	1	1	CT	I	2	5	6	3	2	6
Blaine	10/30	1	1	CT	I	0	10	5	4	2	4
Blaine	10/30	1	1	CT	I	1	10	5	2	2	3
Blaine	10/30	1	1	CT	I	2	10	5	2	1	6
Blaine	10/30	1	1	CT	I	0	20	5	2	1	7
Blaine	10/30	1	1	CT	I	1	20	4	1	0	5
Blaine	10/30	1	1	CT	I	2	20	4	1	0	2
Blaine	10/30	1	1	CT	N	1	0	6	4	2	3
Blaine	10/30	1	1	CT	N	2	0	5	2	1	5
Blaine	10/30	1	1	CT	N	0	5	5	2	1	2
Blaine	10/30	1	1	CT	N	1	5	4	2	1	4
Blaine	10/30	1	1	CT	N	2	5	4	2	1	6
Blaine	10/30	1	1	CT	N	0	10	4	1	0	4
Blaine	10/30	1	1	CT	N	1	10	.	.	.	7
Blaine	10/30	1	1	CT	N	2	10	5	2	1	3
Blaine	10/30	1	1	CT	N	0	20	5	1	0	4
Blaine	10/30	1	1	CT	N	1	20	5	2	1	4
Blaine	10/30	1	1	CT	N	2	20	3	4	1	.
Tracey	10/30	1	1	BF	N	0	0	5	4	1	5
Tracey	10/30	1	1	BF	I	0	0	5	4	1	3
Tracey	10/30	1	1	BF	I	1	0	5	5	1	7
Tracey	10/30	1	1	BF	I	2	0	.	.	.	.
Tracey	10/30	1	1	BF	I	0	5	5	2	1	3
Tracey	10/30	1	1	BF	I	1	5	4	4	1	4
Tracey	10/30	1	1	BF	I	2	5	5	5	1	4
Tracey	10/30	1	1	BF	I	0	10	5	2	1	5
Tracey	10/30	1	1	BF	I	1	10	5	4	1	5
Tracey	10/30	1	1	BF	I	2	10	5	3	1	6
Tracey	10/30	1	1	BF	I	0	20	5	5	1	.
Tracey	10/30	1	1	BF	I	1	20	4	5	1	5
Tracey	10/30	1	1	BF	I	2	20	5	4	1	6
Tracey	10/30	1	1	BF	N	1	0	5	5	1	4
Tracey	10/30	1	1	BF	N	2	0	5	4	1	5
Tracey	10/30	1	1	BF	N	0	5	4	6	1	6
Tracey	10/30	1	1	BF	N	1	5	4	5	1	6
Tracey	10/30	1	1	BF	N	2	5	3	3	1	5
Tracey	10/30	1	1	BF	N	0	10	5	2	1	1
Tracey	10/30	1	1	BF	N	1	10	5	4	1	5
Tracey	10/30	1	1	BF	N	2	10	5	5	1	5
Tracey	10/30	1	1	BF	N	0	20	5	5	1	7
Tracey	10/30	1	1	BF	N	1	20	5	3	1	5
Tracey	10/30	1	1	BF	N	2	20	3	1	0	.
Tracey	10/30	1	1	CT	N	0	0	5	4	1	3

Tracey	10/30	1	1	CT	I	0	0	4	1	0	2
Tracey	10/30	1	1	CT	I	1	0	5	2	1	5
Tracey	10/30	1	1	CT	I	2	0	5	1	0	4
Tracey	10/30	1	1	CT	I	0	5	.	.	.	2
Tracey	10/30	1	1	CT	I	1	5	5	1	0	2
Tracey	10/30	1	1	CT	I	2	5	6	2	2	.
Tracey	10/30	1	1	CT	I	0	10	.	.	.	5
Tracey	10/30	1	1	CT	I	1	10	5	2	2	2
Tracey	10/30	1	1	CT	I	2	10	.	.	.	6
Tracey	10/30	1	1	CT	I	0	20	5	2	1	7
Tracey	10/30	1	1	CT	I	1	20	3	1	0	5
Tracey	10/30	1	1	CT	I	2	20	.	.	.	2
Tracey	10/30	1	1	CT	N	1	0	5	6	1	2
Tracey	10/30	1	1	CT	N	2	0	5	2	3	2
Tracey	10/30	1	1	CT	N	0	5	5	2	1	1
Tracey	10/30	1	1	CT	N	1	5	5	1	0	4
Tracey	10/30	1	1	CT	N	2	5	5	1	0	6
Tracey	10/30	1	1	CT	N	0	10	4	1	0	3
Tracey	10/30	1	1	CT	N	1	10	.	.	.	7
Tracey	10/30	1	1	CT	N	2	10	4	2	1	2
Tracey	10/30	1	1	CT	N	0	20	5	1	0	3
Tracey	10/30	1	1	CT	N	1	20	6	1	0	5
Tracey	10/30	1	1	CT	N	2	20	5	1	0	4
Teresa	10/30	1	1	BF	N	0	0	5	1	0	5
Teresa	10/30	1	1	BF	I	0	0	5	4	1	6
Teresa	10/30	1	1	BF	I	1	0	5	4	2	7
Teresa	10/30	1	1	BF	I	2	0	.	.	.	.
Teresa	10/30	1	1	BF	I	0	5	6	3	1	5
Teresa	10/30	1	1	BF	I	1	5	4	4	1	5
Teresa	10/30	1	1	BF	I	2	5	4	5	1	6
Teresa	10/30	1	1	BF	I	0	10	6	2	1	6
Teresa	10/30	1	1	BF	I	1	10	5	4	2	5
Teresa	10/30	1	1	BF	I	2	10	5	5	1	5
Teresa	10/30	1	1	BF	I	0	20	5	5	1	6
Teresa	10/30	1	1	BF	I	1	20	5	6	1	5
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Teresa	10/30	1	1	BF	N	1	0	5	6	1	5
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Teresa	10/30	1	1	BF	N	1	5	5	6	1	6
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Teresa	10/30	1	1	BF	N	2	10	5	5	1	5
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Teresa	10/30	1	1	CT	I	1	0	6	3	1	6
Teresa	10/30	1	1	CT	I	2	0	6	1	0	5
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Teresa	10/30	1	1	CT	I	1	5	6	4	5	5
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Teresa	10/30	1	1	CT	I	0	10	5	3	3	5
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Teresa	10/30	1	1	CT	I	2	10	6	2	1	6
Teresa	10/30	1	1	CT	I	0	20	6	2	1	7
Teresa	10/30	1	1	CT	I	1	20	4	1	0	6
Teresa	10/30	1	1	CT	I	2	20	5	1	0	3
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Teresa	10/30	1	1	CT	N	2	0	5	2	4	4
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Teresa	10/30	1	1	CT	N	2	5	5	2	4	6
Teresa	10/30	1	1	CT	N	0	10	5	2	3	4
Teresa	10/30	1	1	CT	N	1	10	.	.	.	7
Teresa	10/30	1	1	CT	N	2	10	4	3	1	3
Teresa	10/30	1	1	CT	N	0	20	5	1	0	4
Teresa	10/30	1	1	CT	N	1	20	5	2	2	5
Teresa	10/30	1	1	CT	N	2	20	6	4	5	5
Tracey	11/5	1	7	CT	N	0	0	5	1	0	7
Tracey	11/5	1	7	CT	I	0	0	4	1	0	4
Tracey	11/5	1	7	CT	I	1	0	5	2	1	5
Tracey	11/5	1	7	CT	I	2	0	5	2	1	4
Tracey	11/5	1	7	CT	I	0	5	5	1	0	5
Tracey	11/5	1	7	CT	I	1	5	5	1	0	4
Tracey	11/5	1	7	CT	I	2	5	5	1	0	7
Tracey	11/5	1	7	CT	I	0	10	4	4	1	7
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Tracey	1/5	1	7	CT	I	2	10	4	5	1	7
Tracey	11/5	1	7	CT	I	0	20	6	1	0	5
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Tracey	11/5	1	7	CT	I	2	20	5	4	3	6
Tracey	11/5	1	7	CT	N	1	0	5	1	0	3
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Tracey	11/5	1	7	CT	N	1	5	5	1	04
Tracey	11/5	1	7	CT	N	2	5	5	4	16
Tracey	11/5	1	7	CT	N	0	10	5	3	14
Tracey	11/5	1	7	CT	N	1	10	5	4	15
Tracey	11/5	1	7	CT	N	2	10	5	4	15
Tracey	11/5	1	7	CT	N	0	20	6	1	03
Tracey	11/5	1	7	CT	N	1	20	6	1	05
Tracey	11/5	1	7	CT	N	2	20	5	2	13
Tracey	11/5	1	7	BF	N	0	0	5	3	15
Tracey	11/5	1	7	BF	I	0	0	5	3	16
Tracey	11/5	1	7	BF	I	1	0	4	3	16
Tracey	11/5	1	7	BF	I	2	0	3	3	16
Tracey	11/5	1	7	BF	I	0	5	3	6	14
Tracey	11/5	1	7	BF	I	1	5	3	4	17
Tracey	11/5	1	7	BF	I	2	5	4	4	16
Tracey	11/5	1	7	BF	I	0	10	4	4	15
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Tracey	11/5	1	7	BF	I	0	20	5	3	36
Tracey	11/5	1	7	BF	I	1	20	4	6	15
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Tracey	11/5	1	7	BF	N	1	0	5	5	16
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Tracey	11/5	1	7	BF	N	0	5	5	6	16
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Tracey	11/5	1	7	BF	N	0	20	4	6	16
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Tracey	11/5	1	7	BF	N	2	20	2	2	14
Teresa	11/5	1	7	CT	N	0	0	4	2	26
Teresa	11/5	1	7	CT	I	0	0	4	1	05
Teresa	11/5	1	7	CT	I	1	0	5	2	16
Teresa	11/5	1	7	CT	I	2	0	5	3	16
Teresa	11/5	1	7	CT	I	0	5	4	2	15
Teresa	11/5	1	7	CT	I	1	5	4	2	36
Teresa	11/5	1	7	CT	I	2	5	4	4	16
Teresa	11/5	1	7	CT	I	0	10	4	5	36
Teresa	11/5	1	7	CT	I	1	10	5	4	16
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Teresa	11/5	1	7	CT	I	0	20	4	2	5	5
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Teresa	11/5	1	7	CT	I	2	20	4	3	1	6
Teresa	11/5	1	7	CT	N	1	0	5	2	1	4
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Teresa	11/5	1	7	CT	N	0	20	5	3	4	4
Teresa	11/5	1	7	CT	N	1	20	6	2	1	5
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Teresa	11/5	1	7	BF	N	0	0	6	3	1	6
Teresa	11/5	1	7	BF	I	0	0	6	3	1	6
Teresa	11/5	1	7	BF	I	1	0	6	2	1	5
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Teresa	11/5	1	7	BF	I	0	5	4	7	1	4
Teresa	11/5	1	7	BF	I	1	5	4	2	1	6
Teresa	11/5	1	7	BF	I	2	5	6	4	1	6
Teresa	11/5	1	7	BF	I	0	10	4	4	1	5
Teresa	11/5	1	7	BF	I	1	10	5	4	1	5
Teresa	11/5	1	7	BF	I	2	10	4	5	1	5
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Teresa	11/5	1	7	BF	I	1	20	4	5	1	6
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Teresa	11/5	1	7	BF	N	1	0	6	4	1	6
Teresa	11/5	1	7	BF	N	2	0	5	2	1	7
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Teresa	11/5	1	7	BF	N	1	10	5	6	1	6
Teresa	11/5	1	7	BF	N	2	10	5	1	0	5
Teresa	11/5	1	7	BF	N	0	20	5	6	1	4
Teresa	11/5	1	7	BF	N	1	20	6	6	1	5
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Blaine	11/5	1	7	CT	N	0	0	5	1	0	6
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Blaine	11/5	1	7	CT	I	1	0	5	1	0	5
Blaine	11/5	1	7	CT	I	2	0	5	3	2	5
Blaine	11/5	1	7	CT	I	0	5	5	1	0	5

Blaine	11/5	1	7	CT	I	1	5	5	1	0 5
Blaine	11/5	1	7	CT	I	2	5	4	1	0 6
Blaine	11/5	1	7	CT	I	0	10	3	3	2 7
Blaine	11/5	1	7	CT	I	1	10	5	5	1 6
Blaine	11/5	1	7	CT	I	2	10	4	5	1 7
Blaine	11/5	1	7	CT	I	0	20	6	1	0 4
Blaine	11/5	1	7	CT	I	1	20	2	6	1 7
Blaine	11/5	1	7	CT	I	2	20	4	4	1 6
Blaine	11/5	1	7	CT	N	1	0	6	1	0 4
Blaine	11/5	1	7	CT	N	2	0	5	3	1 4
Blaine	11/5	1	7	CT	N	0	5	5	1	0 5
Blaine	11/5	1	7	CT	N	1	5	5	1	0 4
Blaine	11/5	1	7	CT	N	2	5	4	4	1 6
Blaine	11/5	1	7	CT	N	0	10	4	1	0 5
Blaine	11/5	1	7	CT	N	1	10	5	4	1 4
Blaine	11/5	1	7	CT	N	2	10	5	3	1 5
Blaine	11/5	1	7	CT	N	0	20	5	1	0 4
Blaine	11/5	1	7	CT	N	1	20	5	1	0 4
Blaine	11/5	1	7	CT	N	2	20	3	2	3 5
Blaine	11/5	1	7	BF	N	0	0	5	2	1
Blaine	11/5	1	7	BF	I	0	0	5	2	1
Blaine	11/5	1	7	BF	I	1	0	4	2	1
Blaine	11/5	1	7	BF	I	2	0	4	4	1
Blaine	11/5	1	7	BF	I	0	5	2	1	0
Blaine	11/5	1	7	BF	I	1	5	4	4	1
Blaine	11/5	1	7	BF	I	2	5	5	5	1
Blaine	11/5	1	7	BF	I	0	10	6	4	1
Blaine	11/5	1	7	BF	I	1	10	5	3	1
Blaine	11/5	1	7	BF	I	2	10	4	5	1
Blaine	11/5	1	7	BF	I	0	20	4	2	5
Blaine	11/5	1	7	BF	I	1	20	4	6	1
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Blaine	11/5	1	7	BF	N	2	0	2	2	1
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Blaine	11/5	1	7	BF	N	2	5	4	3	1
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Blaine	11/5	1	7	BF	N	2	10	5	4	1
Blaine	11/5	1	7	BF	N	0	20	3	6	1
Blaine	11/5	1	7	BF	N	1	20	5	6	1
Blaine	11/5	1	7	BF	N	2	20	3	2	1

Teresa	11/8	1	10	CT	N	0	0	5	4	1	6
Teresa	11/8	1	10	CT	I	0	0	.	.	.	.
Teresa	11/8	1	10	CT	I	1	0	5	3	1	6
Teresa	11/8	1	10	CT	I	2	0	5	1	0	6
Teresa	11/8	1	10	CT	I	0	5	4	1	0	4
Teresa	11/8	1	10	CT	I	1	5	5	6	1	6
Teresa	11/8	1	10	CT	I	2	5	.	.	.	.
Teresa	11/8	1	10	CT	I	0	10	4	2	5	6
Teresa	11/8	1	10	CT	I	1	10	5	3	1	6
Teresa	11/8	1	10	CT	I	2	10	5	6	1	6
Teresa	11/8	1	10	CT	I	0	20	5	2	1	6
Teresa	11/8	1	10	CT	I	1	20	4	2	3	3
Teresa	11/8	1	10	CT	I	2	20	5	3	1	7
Teresa	11/8	1	10	CT	N	1	0	4	1	0	4
Teresa	11/8	1	10	CT	N	2	0	4	2	1	4
Teresa	11/8	1	10	CT	N	0	5	5	1	0	5
Teresa	11/8	1	10	CT	N	1	5	5	2	1	6
Teresa	11/8	1	10	CT	N	2	5	5	4	4	4
Teresa	11/8	1	10	CT	N	0	10	5	4	1	5
Teresa	11/8	1	10	CT	N	1	10	4	2	5	6
Teresa	11/8	1	10	CT	N	2	10	5	1	0	5
Teresa	11/8	1	10	CT	N	0	20	4	1	0	4
Teresa	11/8	1	10	CT	N	1	20	5	1	0	6
Teresa	11/8	1	10	CT	N	2	20	5	4	4	5
Teresa	11/8	1	10	BF	N	0	0	.	.	.	.
Teresa	11/8	1	10	BF	I	0	0	4	5	1	6
Teresa	11/8	1	10	BF	I	1	0	5	5	1	6
Teresa	11/8	1	10	BF	I	2	0	4	5	1	5
Teresa	11/8	1	10	BF	I	0	5	3	3	1	6
Teresa	11/8	1	10	BF	I	1	5	3	5	1	5
Teresa	11/8	1	10	BF	I	2	5	.	.	.	.
Teresa	11/8	1	10	BF	I	0	10	.	.	.	.
Teresa	11/8	1	10	BF	I	1	10	4	5	1	6
Teresa	11/8	1	10	BF	I	2	10	4	5	1	6
Teresa	11/8	1	10	BF	I	0	20	.	.	.	.
Teresa	11/8	1	10	BF	I	1	20	4	6	1	6
Teresa	11/8	1	10	BF	I	2	20	.	.	.	6
Teresa	11/8	1	10	BF	N	1	0	5	5	1	6
Teresa	11/8	1	10	BF	N	2	0	4	3	1	6
Teresa	11/8	1	10	BF	N	0	5	.	.	.	.
Teresa	11/8	1	10	BF	N	1	5	5	7	1	6
Teresa	11/8	1	10	BF	N	2	5	5	7	1	6
Teresa	11/8	1	10	BF	N	0	10	5	2	1	5

Teresa	11/8	1	10	BF	N	1	10	5	3	4	6
Teresa	11/8	1	10	BF	N	2	10	5	3	1	5
Teresa	11/8	1	10	BF	N	0	20	5	7	1	6
Teresa	11/8	1	10	BF	N	1	20	4	6	1	6
Teresa	11/8	1	10	BF	N	2	20	3	2	1	7
Tracey	11/8	1	10	BF	N	0	0	.	.	.	.
Tracey	11/8	1	10	BF	I	0	0	5	6	1	6
Tracey	11/8	1	10	BF	I	1	0	5	5	1	6
Tracey	11/8	1	10	BF	I	2	0	3	4	1	5
Tracey	11/8	1	10	BF	I	0	5	2	4	1	6
Tracey	11/8	1	10	BF	I	1	5	3	5	1	4
Tracey	11/8	1	10	BF	I	2	5	.	.	.	.
Tracey	11/8	1	10	BF	I	0	10	.	.	.	.
Tracey	11/8	1	10	BF	I	1	10	4	7	1	6
Tracey	11/8	1	10	BF	I	2	10	3	.	.	7
Tracey	11/8	1	10	BF	I	0	20	.	.	.	.
Tracey	11/8	1	10	BF	I	1	20	3	6	1	7
Tracey	11/8	1	10	BF	I	2	20	3	3	1	7
Tracey	11/8	1	10	BF	N	1	0	5	4	1	7
Tracey	11/8	1	10	BF	N	2	0	4	4	1	6
Tracey	11/8	1	10	BF	N	0	5	.	.	.	.
Tracey	11/8	1	10	BF	N	1	5	4	6	1	6
Tracey	11/8	1	10	BF	N	2	5	4	6	1	6
Tracey	11/8	1	10	BF	N	0	10	5	3	1	5
Tracey	11/8	1	10	BF	N	1	10	4	6	1	7
Tracey	11/8	1	10	BF	N	2	10	5	3	1	5
Tracey	11/8	1	10	BF	N	0	20	5	7	1	6
Tracey	11/8	1	10	BF	N	1	20	5	6	1	7
Tracey	11/8	1	10	BF	N	2	20	2	1	0	7
Tracey	11/8	1	10	CT	N	0	0	6	5	1	6
Tracey	11/8	1	10	CT	I	0	0	.	.	.	.
Tracey	11/8	1	10	CT	I	1	0	5	5	1	6
Tracey	11/8	1	10	CT	I	2	0	5	2	1	6
Tracey	11/8	1	10	CT	I	0	5	6	1	0	3
Tracey	11/8	1	10	CT	I	1	5	4	5	1	7
Tracey	11/8	1	10	CT	I	2	5	5	1	0	.
Tracey	11/8	1	10	CT	I	0	10	6	2	2	7
Tracey	11/8	1	10	CT	I	1	10	5	5	1	6
Tracey	11/8	1	10	CT	I	2	10	4	4	1	6
Tracey	11/8	1	10	CT	I	0	20	4	3	1	6
Tracey	11/8	1	10	CT	I	1	20	5	3	1	2
Tracey	11/8	1	10	CT	I	2	20	5	4	1	7
Tracey	11/8	1	10	CT	N	1	0	6	1	0	3

Tracey	11/8	1	10	CT	N	2	0	5	3	1	3
Tracey	11/8	1	10	CT	N	0	5	5	1	0	5
Tracey	11/8	1	10	CT	N	1	5	5	1	0	6
Tracey	11/8	1	10	CT	N	2	5	6	3	1	3
Tracey	11/8	1	10	CT	N	0	10	5	3	1	5
Tracey	11/8	1	10	CT	N	1	10	5	2	1	7
Tracey	11/8	1	10	CT	N	2	10	5	1	0	4
Tracey	11/8	1	10	CT	N	0	20	6	1	0	2
Tracey	11/8	1	10	CT	N	1	20	5	2	2	7
Tracey	11/8	1	10	CT	N	2	20	5	4	2	5
Blaine	11/8	1	10	BF	N	0	0	.	.	.	.
Blaine	11/8	1	10	BF	I	0	0	5	4	1	6
Blaine	11/8	1	10	BF	I	1	0	5	5	1	6
Blaine	11/8	1	10	BF	I	2	0	1	2	2	5
Blaine	11/8	1	10	BF	I	0	5	2	3	1	6
Blaine	11/8	1	10	BF	I	1	5	1	3	2	4
Blaine	11/8	1	10	BF	I	2	5	.	.	.	.
Blaine	11/8	1	10	BF	I	0	10	.	.	.	.
Blaine	11/8	1	10	BF	I	1	10	1	1	0	6
Blaine	11/8	1	10	BF	I	2	10	4	5	1	6
Blaine	11/8	1	10	BF	I	0	20	.	.	.	.
Blaine	11/8	1	10	BF	I	1	20	2	5	1	6
Blaine	11/8	1	10	BF	I	2	20	4	4	1	6
Blaine	11/8	1	10	BF	N	1	0	5	5	1	6
Blaine	11/8	1	10	BF	N	2	0	4	5	1	6
Blaine	11/8	1	10	BF	N	0	5	.	.	.	.
Blaine	11/8	1	10	BF	N	1	5	1	1	0	6
Blaine	11/8	1	10	BF	N	2	5	2	2	1	6
Blaine	11/8	1	10	BF	N	0	10	5	3	3	5
Blaine	11/8	1	10	BF	N	1	10	4	5	1	6
Blaine	11/8	1	10	BF	N	2	10	5	4	1	5
Blaine	11/8	1	10	BF	N	0	20	1	1	0	6
Blaine	11/8	1	10	BF	N	1	20	4	5	1	6
Blaine	11/8	1	10	BF	N	2	20	2	1	0	6
Blaine	11/8	1	10	CT	N	0	0	5	5	1	6
Blaine	11/8	1	10	CT	I	0	0	.	.	.	.
Blaine	11/8	1	10	CT	I	1	0	4	1	0	6
Blaine	11/8	1	10	CT	I	2	0	5	3	1	6
Blaine	11/8	1	10	CT	I	0	5	6	1	0	4
Blaine	11/8	1	10	CT	I	1	5	1	5	4	.
Blaine	11/8	1	10	CT	I	2	5	.	.	.	.
Blaine	11/8	1	10	CT	I	0	10	4	1	0	6
Blaine	11/8	1	10	CT	I	1	10	5	4	1	6

Blaine	11/8	1	10	CT	I	2	10	4	1	0	6
Blaine	11/8	1	10	CT	I	0	20	4	2	1	6
Blaine	11/8	1	10	CT	I	1	20	4	1	0	3
Blaine	11/8	1	10	CT	I	2	20	5	5	1	6
Blaine	11/8	1	10	CT	N	1	0	6	1	0	3
Blaine	11/8	1	10	CT	N	2	0	5	4	1	5
Blaine	11/8	1	10	CT	N	0	5	5	1	0	5
Blaine	11/8	1	10	CT	N	1	5	5	2	1	6
Blaine	11/8	1	10	CT	N	2	5	5	3	1	5
Blaine	11/8	1	10	CT	N	0	10	5	5	1	4
Blaine	11/8	1	10	CT	N	1	10	4	1	0	6
Blaine	11/8	1	10	CT	N	2	10	5	1	0	4
Blaine	11/8	1	10	CT	N	0	20	5	1	0	2
Blaine	11/8	1	10	CT	N	1	20	3	4	1	6
Blaine	11/8	1	10	CT	N	2	20	5	4	1	5
Tracey	11/12	1	14	CT	N	0	0	2	2	1	5
Tracey	11/12	1	14	CT	I	0	0	6	3	1	4
Tracey	11/12	1	14	CT	I	1	0	5	6	2	6
Tracey	11/12	1	14	CT	I	2	0	6	1	0	5
Tracey	11/12	1	14	CT	I	0	5	5	5	3	5
Tracey	11/12	1	14	CT	I	1	5	5	5	3	6
Tracey	11/12	1	14	CT	I	2	5	6	3	2	7
Tracey	11/12	1	14	CT	I	0	10	5	3	3	4
Tracey	11/12	1	14	CT	I	1	10	5	5	1	.
Tracey	11/12	1	14	CT	I	2	10	5	5	3	6
Tracey	11/12	1	14	CT	I	0	20	5	3	4	6
Tracey	11/12	1	14	CT	I	1	20	6	3	2	5
Tracey	11/12	1	14	CT	I	2	20	5	4	1	5
Tracey	11/12	1	14	CT	N	1	0	.	.	.	6
Tracey	11/12	1	14	CT	N	2	0	5	4	1	6
Tracey	11/12	1	14	CT	N	0	5	5	2	1	7
Tracey	11/12	1	14	CT	N	1	5	5	1	0	.
Tracey	11/12	1	14	CT	N	2	5	5	3	1	6
Tracey	11/12	1	14	CT	N	0	10	5	6	1	.
Tracey	11/12	1	14	CT	N	1	10	.	.	.	6
Tracey	11/12	1	14	CT	N	2	10	5	3	1	6
Tracey	11/12	1	14	CT	N	0	20	5	3	4	7
Tracey	11/12	1	14	CT	N	1	20	5	3	1	5
Tracey	11/12	1	14	CT	N	2	20	.	.	.	7
Tracey	11/12	1	14	BF	N	0	0	4	4	1	5
Tracey	11/12	1	14	BF	I	0	0	3	3	1	7
Tracey	11/12	1	14	BF	I	1	0	4	5	1	6
Tracey	11/12	1	14	BF	I	2	0	4	6	1	6

Tracey	11/12	1	14	BF	I	0	5	3	6	13
Tracey	11/12	1	14	BF	I	1	5	3	4	1.
Tracey	11/12	1	14	BF	I	2	5	4	5	16
Tracey	11/12	1	14	BF	I	0	10	3	4	17
Tracey	11/12	1	14	BF	I	1	10	5	6	16
Tracey	11/12	1	14	BF	I	2	10	4	4	15
Tracey	11/12	1	14	BF	I	0	20	4	5	17
Tracey	11/12	1	14	BF	I	1	20	4	7	14
Tracey	11/12	1	14	BF	I	2	20	4	6	1.
Tracey	11/12	1	14	BF	N	1	0	4	5	14
Tracey	11/12	1	14	BF	N	2	0	4	3	15
Tracey	11/12	1	14	BF	N	0	5	4	6	17
Tracey	11/12	1	14	BF	N	1	5	.	.	.6
Tracey	11/12	1	14	BF	N	2	5	5	7	16
Tracey	11/12	1	14	BF	N	0	10	4	5	16
Tracey	11/12	1	14	BF	N	1	10	4	3	3.
Tracey	11/12	1	14	BF	N	2	10	5	4	16
Tracey	11/12	1	14	BF	N	0	20	5	7	13
Tracey	11/12	1	14	BF	N	1	20	4	6	15
Tracey	11/12	1	14	BF	N	2	20	3	3	4.
Blaine	11/12	1	14	CT	N	0	0	2	1	04
Blaine	11/12	1	14	CT	I	0	0	5	2	16
Blaine	11/12	1	14	CT	I	1	0	5	4	16
Blaine	11/12	1	14	CT	I	2	0	5	3	26
Blaine	11/12	1	14	CT	I	0	5	6	1	03
Blaine	11/12	1	14	CT	I	1	5	4	2	36
Blaine	11/12	1	14	CT	I	2	5	5	1	05
Blaine	11/12	1	14	CT	I	0	10	5	1	07
Blaine	11/12	1	14	CT	I	1	10	5	4	15
Blaine	11/12	1	14	CT	I	2	10	5	3	15
Blaine	11/12	1	14	CT	I	0	20	5	1	07
Blaine	11/12	1	14	CT	I	1	20	4	2	53
Blaine	11/12	1	14	CT	I	2	20	5	1	04
Blaine	11/12	1	14	CT	N	1	0	.	.	..
Blaine	11/12	1	14	CT	N	2	0	4	2	53
Blaine	11/12	1	14	CT	N	0	5	5	1	07
Blaine	11/12	1	14	CT	N	1	5	.	.	.6
Blaine	11/12	1	14	CT	N	2	5	5	4	15
Blaine	11/12	1	14	CT	N	0	10	5	1	03
Blaine	11/12	1	14	CT	N	1	10	.	.	..
Blaine	11/12	1	14	CT	N	2	10	6	3	17
Blaine	11/12	1	14	CT	N	0	20	5	1	03
Blaine	11/12	1	14	CT	N	1	20	5	1	06

Blaine	11/12	1	14	CT	N	2	20	.	.	.	.
Blaine	11/12	1	14	BF	N	0	0	5	4	1	6
Blaine	11/12	1	14	BF	I	0	0	4	1	5	5
Blaine	11/12	1	14	BF	I	1	0	5	3	2	6
Blaine	11/12	1	14	BF	I	2	0	6	1	0	6
Blaine	11/12	1	14	BF	I	0	5	5	1	0	5
Blaine	11/12	1	14	BF	I	1	5	5	2	4	7
Blaine	11/12	1	14	BF	I	2	5	4	1	0	7
Blaine	11/12	1	14	BF	I	0	10	5	3	1	5
Blaine	11/12	1	14	BF	I	1	10	5	5	1	.
Blaine	11/12	1	14	BF	I	2	10	5	3	1	5
Blaine	11/12	1	14	BF	I	0	20	5	3	1	6
Blaine	11/12	1	14	BF	I	1	20	1	7	1	5
Blaine	11/12	1	14	BF	I	2	20	5	5	1	6
Blaine	11/12	1	14	BF	N	1	0	5	4	2	6
Blaine	11/12	1	14	BF	N	2	0	5	2	1	5
Blaine	11/12	1	14	BF	N	0	5	5	2	3	6
Blaine	11/12	1	14	BF	N	1	5	.	.	.	.
Blaine	11/12	1	14	BF	N	2	5	1	7	1	5
Blaine	11/12	1	14	BF	N	0	10	5	4	1	6
Blaine	11/12	1	14	BF	N	1	10	5	1	0	5
Blaine	11/12	1	14	BF	N	2	10	5	3	2	6
Blaine	11/12	1	14	BF	N	0	20	1	7	1	7
Blaine	11/12	1	14	BF	N	1	20	5	4	1	5
Blaine	11/12	1	14	BF	N	2	20	4	1	0	6
Teresa	11/12	1	14	CT	N	0	0	2	7	1	5
Teresa	11/12	1	14	CT	I	0	0	4	3	1	6
Teresa	11/12	1	14	CT	I	1	0	5	4	1	6
Teresa	11/12	1	14	CT	I	2	0	4	5	1	6
Teresa	11/12	1	14	CT	I	0	5	5	1	0	5
Teresa	11/12	1	14	CT	I	1	5	5	5	1	6
Teresa	11/12	1	14	CT	I	2	5	5	4	4	6
Teresa	11/12	1	14	CT	I	0	10	5	2	1	7
Teresa	11/12	1	14	CT	I	1	10	5	4	1	6
Teresa	11/12	1	14	CT	I	2	10	4	5	1	5
Teresa	11/12	1	14	CT	I	0	20	5	2	1	7
Teresa	11/12	1	14	CT	I	1	20	4	5	1	4
Teresa	11/12	1	14	CT	I	2	20	4	3	1	5
Teresa	11/12	1	14	CT	N	1	0	.	.	.	.
Teresa	11/12	1	14	CT	N	2	0	5	5	1	3
Teresa	11/12	1	14	CT	N	0	5	5	1	0	6
Teresa	11/12	1	14	CT	N	1	5	5	1	0	6
Teresa	11/12	1	14	CT	N	2	5	5	4	4	6

Teresa	11/12	1	14	CT	N	0	10	5	4	15
Teresa	11/12	1	14	CT	N	1	10	.	.	..
Teresa	11/12	1	14	CT	N	2	10	5	4	16
Teresa	11/12	1	14	CT	N	0	20	4	1	04
Teresa	11/12	1	14	CT	N	1	20	5	3	16
Teresa	11/12	1	14	CT	N	2	20	.	.	..
Teresa	11/12	1	14	BF	N	0	0	5	5	16
Teresa	11/12	1	14	BF	I	0	0	4	5	15
Teresa	11/12	1	14	BF	I	1	0	5	4	16
Teresa	11/12	1	14	BF	I	2	0	5	7	16
Teresa	11/12	1	14	BF	I	0	5	4	6	16
Teresa	11/12	1	14	BF	I	1	5	4	5	17
Teresa	11/12	1	14	BF	I	2	5	4	6	17
Teresa	11/12	1	14	BF	I	0	10	4	5	16
Teresa	11/12	1	14	BF	I	1	10	5	5	16
Teresa	11/12	1	14	BF	I	2	10	4	4	17
Teresa	11/12	1	14	BF	I	0	20	5	5	16
Teresa	11/12	1	14	BF	I	1	20	5	7	15
Teresa	11/12	1	14	BF	I	2	20	5	6	16
Teresa	11/12	1	14	BF	N	1	0	5	4	16
Teresa	11/12	1	14	BF	N	2	0	4	6	17
Teresa	11/12	1	14	BF	N	0	5	4	5	17
Teresa	11/12	1	14	BF	N	1	5	.	.	..
Teresa	11/12	1	14	BF	N	2	5	5	7	17
Teresa	11/12	1	14	BF	N	0	10	5	4	16
Teresa	11/12	1	14	BF	N	1	10	4	3	15
Teresa	11/12	1	14	BF	N	2	10	5	4	16
Teresa	11/12	1	14	BF	N	0	20	5	7	16
Teresa	11/12	1	14	BF	N	1	20	5	7	15
Teresa	11/12	1	14	BF	N	2	20	5	5	17
Tracey	11/6	2	7	CT	N	0	0	5	5	17
Tracey	11/6	2	7	CT	I	0	0	5	1	03
Tracey	11/6	2	7	CT	I	1	0	5	4	44
Tracey	11/6	2	7	CT	I	2	0	4	3	54
Tracey	11/6	2	7	CT	I	0	5	6	1	07
Tracey	11/6	2	7	CT	I	1	5	5	1	06
Tracey	11/6	2	7	CT	I	2	5	7	1	07
Tracey	11/6	2	7	CT	I	0	10	7	1	03
Tracey	11/6	2	7	CT	I	1	10	6	3	43
Tracey	11/6	2	7	CT	I	2	10	6	1	07
Tracey	11/6	2	7	CT	I	0	20	5	4	43
Tracey	11/6	2	7	CT	I	1	20	5	1	07
Tracey	11/6	2	7	CT	I	2	20	5	2	13

Tracey	11/6	2	7	CT	N	1	0	4	1	0 4
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Tracey	11/6	2	7	CT	N	0	5	6	1	0 3
Tracey	11/6	2	7	CT	N	1	5	6	2	1 4
Tracey	11/6	2	7	CT	N	2	5	6	1	0 2
Tracey	11/6	2	7	CT	N	0	10	6	5	1 6
Tracey	11/6	2	7	CT	N	1	10	5	1	0 7
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Tracey	11/6	2	7	CT	N	0	20	5	5	1 .
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Tracey	11/6	2	7	CT	N	2	20	5	1	0 4
Tracey	11/6	2	7	BF	N	0	0	6	5	4 7
Tracey	11/6	2	7	BF	I	0	0	5	4	1 7
Tracey	11/6	2	7	BF	I	1	0	4	6	1 6
Tracey	11/6	2	7	BF	I	2	0	5	3	1 6
Tracey	11/6	2	7	BF	I	0	5	5	6	1 6
Tracey	11/6	2	7	BF	I	1	5	1	1	0 4
Tracey	11/6	2	7	BF	I	2	5	5	5	1 .
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Tracey	11/6	2	7	BF	I	1	10	3	6	1 7
Tracey	11/6	2	7	BF	I	2	10	.	.	. .
Tracey	11/6	2	7	BF	I	0	20	1	1	0 4
Tracey	11/6	2	7	BF	I	1	20	5	2	1 7
Tracey	11/6	2	7	BF	I	2	20	4	1	0 7
Tracey	11/6	2	7	BF	N	1	0	5	6	1 6
Tracey	11/6	2	7	BF	N	2	0	4	4	1 6
Tracey	11/6	2	7	BF	N	0	5	5	4	1 5
Tracey	11/6	2	7	BF	N	1	5	4	3	1 7
Tracey	11/6	2	7	BF	N	2	5	.	.	. .
Tracey	11/6	2	7	BF	N	0	10	5	7	1 5
Tracey	11/6	2	7	BF	N	1	10	5	4	1 7
Tracey	11/6	2	7	BF	N	2	10	5	2	1 6
Tracey	11/6	2	7	BF	N	0	20	5	6	1 5
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Tracey	11/6	2	7	BF	N	2	20	5	1	0 7
Teresa	11/6	2	7	CT	N	0	0	5	3	1 6
Teresa	11/6	2	7	CT	I	0	0	4	1	0 5
Teresa	11/6	2	7	CT	I	1	0	5	3	6 6
Teresa	11/6	2	7	CT	I	2	0	4	5	1 5
Teresa	11/6	2	7	CT	I	0	5	4	1	0 6
Teresa	11/6	2	7	CT	I	1	5	5	1	0 6
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Teresa	11/6	2	7	CT	I	0	10	4	3	5 4

Teresa	11/6	2	7	CT	I	1	10	5	3	1	5
Teresa	11/6	2	7	CT	I	2	10	4	4	5	6
Teresa	11/6	2	7	CT	I	0	20	5	6	6	3
Teresa	11/6	2	7	CT	I	1	20	4	1	0	6
Teresa	11/6	2	7	CT	I	2	20	5	4	4	5
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Teresa	11/6	2	7	CT	N	2	0	5	4	4	5
Teresa	11/6	2	7	CT	N	0	5	5	1	0	4
Teresa	11/6	2	7	CT	N	1	5	4	2	5	5
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Teresa	11/6	2	7	CT	N	0	10	4	5	1	6
Teresa	11/6	2	7	CT	N	1	10	5	1	0	6
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Teresa	11/6	2	7	CT	N	0	20	5	4	1	6
Teresa	11/6	2	7	CT	N	1	20	5	7	1	5
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Teresa	11/6	2	7	BF	N	0	0	4	1	0	6
Teresa	11/6	2	7	BF	I	0	0	4	5	1	6
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Teresa	11/6	2	7	BF	I	0	5	6	5	1	6
Teresa	11/6	2	7	BF	I	1	5	3	1	0	5
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Teresa	11/6	2	7	BF	I	0	10	4	4	3	5
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Teresa	11/6	2	7	BF	I	2	10	.	.	.	.
Teresa	11/6	2	7	BF	I	0	20	3	2	1	5
Teresa	11/6	2	7	BF	I	1	20	4	3	1	6
Teresa	11/6	2	7	BF	I	2	20	4	2	5	6
Teresa	11/6	2	7	BF	N	1	0	5	6	1	6
Teresa	11/6	2	7	BF	N	2	0	4	6	1	6
Teresa	11/6	2	7	BF	N	0	5	5	4	1	5
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Teresa	11/6	2	7	BF	N	2	5	.	.	.	.
Teresa	11/6	2	7	BF	N	0	10	5	7	1	6
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Teresa	11/6	2	7	BF	N	2	10	4	5	1	6
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Teresa	11/6	2	7	BF	N	1	20	5	6	1	6
Teresa	11/6	2	7	BF	N	2	20	5	1	0	.
Blaine	11/6	2	7	CT	N	0	0	6	5	3	.
Blaine	11/6	2	7	CT	I	0	0	4	1	0	4
Blaine	11/6	2	7	CT	I	1	0	5	1	0	7

Blaine	11/6	2	7	CT	I	2	0	6	2	1	5
Blaine	11/6	2	7	CT	I	0	5	4	1	0	5
Blaine	11/6	2	7	CT	I	1	5	5	1	0	6
Blaine	11/6	2	7	CT	I	2	5	5	1	0	6
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Blaine	11/6	2	7	CT	I	1	10	6	5	1	4
Blaine	11/6	2	7	CT	I	2	10	5	4	1	6
Blaine	11/6	2	7	CT	I	0	20	5	3	1	5
Blaine	11/6	2	7	CT	I	1	20	4	1	0	6
Blaine	11/6	2	7	CT	I	2	20	4	2	1	4
Blaine	11/6	2	7	CT	N	1	0	5	1	0	5
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Blaine	11/6	2	7	CT	N	0	5	5	4	3	4
Blaine	11/6	2	7	CT	N	1	5	4	1	0	5
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Blaine	11/6	2	7	CT	N	0	20	5	5	1	.
Blaine	11/6	2	7	CT	N	1	20	5	5	1	4
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Blaine	11/6	2	7	BF	N	0	0	5	5	2	6
Blaine	11/6	2	7	BF	I	0	0	2	6	1	6
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Blaine	11/6	2	7	BF	I	2	0	4	2	3	6
Blaine	11/6	2	7	BF	I	0	5	.	.	.	5
Blaine	11/6	2	7	BF	I	1	5	2	1	0	5
Blaine	11/6	2	7	BF	I	2	5	4	4	1	6
Blaine	11/6	2	7	BF	I	0	10	3	2	2	5
Blaine	11/6	2	7	BF	I	1	10	1	1	0	6
Blaine	11/6	2	7	BF	I	2	10	.	.	.	.
Blaine	11/6	2	7	BF	I	0	20	2	1	0	5
Blaine	11/6	2	7	BF	I	1	20	4	6	2	6
Blaine	11/6	2	7	BF	I	2	20	1	1	0	6
Blaine	11/6	2	7	BF	N	1	0	1	1	0	5
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Blaine	11/6	2	7	BF	N	0	5	5	4	1	5
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Blaine	11/6	2	7	BF	N	2	5	.	.	.	.
Blaine	11/6	2	7	BF	N	0	10	1	1	0	6
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Blaine	11/6	2	7	BF	N	0	20	5	6	1	5

Blaine	11/6	2	7	BF	N	1	20	1	1	0	6
Blaine	11/6	2	7	BF	N	2	20	4	1	0	6
Teresa	11/9	2	10	CT	N	0	0	5	4	1	6
Teresa	11/9	2	10	CT	I	0	0	5	4	1	6
Teresa	11/9	2	10	CT	I	1	0	6	5	1	6
Teresa	11/9	2	10	CT	I	2	0	4	2	1	5
Teresa	11/9	2	10	CT	I	0	5	4	5	1	4
Teresa	11/9	2	10	CT	I	1	5	5	1	0	6
Teresa	11/9	2	10	CT	I	2	5	5	4	1	6
Teresa	11/9	2	10	CT	I	0	10	5	4	1	5
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Teresa	11/9	2	10	CT	I	2	10	5	5	1	6
Teresa	11/9	2	10	CT	I	0	20	5	4	1	4
Teresa	11/9	2	10	CT	I	1	20	4	4	1	6
Teresa	11/9	2	10	CT	I	2	20	4	5	1	6
Teresa	11/9	2	10	CT	N	1	0	5	2	1	6
Teresa	11/9	2	10	CT	N	2	0	5	5	1	5
Teresa	11/9	2	10	CT	N	0	5	5	4	1	6
Teresa	11/9	2	10	CT	N	1	5	5	5	1	5
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Teresa	11/9	2	10	CT	N	0	10	5	5	1	6
Teresa	11/9	2	10	CT	N	1	10	4	6	1	6
Teresa	11/9	2	10	CT	N	2	10	4	5	1	6
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Teresa	11/9	2	10	CT	N	1	20	5	6	1	6
Teresa	11/9	2	10	CT	N	2	20	.	.	.	6
Teresa	11/9	2	10	BF	N	0	0	5	1	0	6
Teresa	11/9	2	10	BF	I	0	0	.	.	.	.
Teresa	11/9	2	10	BF	I	1	0	5	7	1	5
Teresa	11/9	2	10	BF	I	2	0	5	7	1	6
Teresa	11/9	2	10	BF	I	0	5	6	7	1	6
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Teresa	11/9	2	10	BF	I	2	5	4	5	1	6
Teresa	11/9	2	10	BF	I	0	10	4	5	1	7
Teresa	11/9	2	10	BF	I	1	10	4	6	1	5
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Teresa	11/9	2	10	BF	I	0	20	4	5	1	7
Teresa	11/9	2	10	BF	I	1	20	4	3	1	7
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Teresa	11/9	2	10	BF	N	1	0	5	5	1	6
Teresa	11/9	2	10	BF	N	2	0	5	4	1	5
Teresa	11/9	2	10	BF	N	0	5	5	4	1	5
Teresa	11/9	2	10	BF	N	1	5	5	7	1	6

Teresa	11/9	2	10	BF	N	2	5	5	7	16
Teresa	11/9	2	10	BF	N	0	10	5	6	16
Teresa	11/9	2	10	BF	N	1	10	5	4	15
Teresa	11/9	2	10	BF	N	2	10	5	3	66
Teresa	11/9	2	10	BF	N	0	20	5	3	15
Teresa	11/9	2	10	BF	N	1	20	5	2	16
Teresa	11/9	2	10	BF	N	2	20	.	.	..
Tracey	11/9	2	10	CT	N	0	0	6	5	57
Tracey	11/9	2	10	CT	I	0	0	6	4	45
Tracey	11/9	2	10	CT	I	1	0	5	3	16
Tracey	11/9	2	10	CT	I	2	0	4	1	07
Tracey	11/9	2	10	CT	I	0	5	3	3	15
Tracey	11/9	2	10	CT	I	1	5	5	1	05
Tracey	11/9	2	10	CT	I	2	5	5	5	16
Tracey	11/9	2	10	CT	I	0	10	5	1	05
Tracey	11/9	2	10	CT	I	1	10	6	5	46
Tracey	11/9	2	10	CT	I	2	10	5	5	36
Tracey	11/9	2	10	CT	I	0	20	5	5	34
Tracey	11/9	2	10	CT	I	1	20	5	2	15
Tracey	11/9	2	10	CT	I	2	20	5	6	16
Tracey	11/9	2	10	CT	N	1	0	5	1	06
Tracey	11/9	2	10	CT	N	2	0	5	3	16
Tracey	11/9	2	10	CT	N	0	5	5	2	15
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Tracey	11/9	2	10	CT	N	2	5	6	2	14
Tracey	11/9	2	10	CT	N	0	10	5	6	16
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Tracey	11/9	2	10	CT	N	0	20	5	6	16
Tracey	11/9	2	10	CT	N	1	20	5	6	15
Tracey	11/9	2	10	CT	N	2	20	5	1	05
Tracey	11/9	2	10	BF	N	0	0	4	1	06
Tracey	11/9	2	10	BF	I	0	0	.	.	..
Tracey	11/9	2	10	BF	I	1	0	3	6	15
Tracey	11/9	2	10	BF	I	2	0	3	5	16
Tracey	11/9	2	10	BF	I	0	5	5	6	16
Tracey	11/9	2	10	BF	I	1	5	2	5	17
Tracey	11/9	2	10	BF	I	2	5	3	4	17
Tracey	11/9	2	10	BF	I	0	10	3	5	17
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Tracey	11/9	2	10	BF	I	2	10	3	6	17
Tracey	11/9	2	10	BF	I	0	20	4	6	17
Tracey	11/9	2	10	BF	I	1	20	3	1	07

Tracey	11/9	2	10	BF	I	2	20	4	5	1 6
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Tracey	11/9	2	10	BF	N	2	0	5	1	0 5
Tracey	11/9	2	10	BF	N	0	5	5	6	1 5
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Tracey	11/9	2	10	BF	N	2	5	4	6	1 6
Tracey	11/9	2	10	BF	N	0	10	5	6	1 5
Tracey	11/9	2	10	BF	N	1	10	4	5	1 .
Tracey	11/9	2	10	BF	N	2	10	5	5	1 6
Tracey	11/9	2	10	BF	N	0	20	5	4	1 6
Tracey	11/9	2	10	BF	N	1	20	5	1	0 6
Tracey	11/9	2	10	BF	N	2	20	.	.	. .
Blaine	11/9	2	10	BF	N	0	0	5	1	0 6
Blaine	11/9	2	10	BF	I	0	0	.	.	. .
Blaine	11/9	2	10	BF	I	1	0	5	6	1 5
Blaine	11/9	2	10	BF	I	2	0	5	5	1 6
Blaine	11/9	2	10	BF	I	0	5	6	5	1 6
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Blaine	11/9	2	10	BF	I	2	5	5	3	1 6
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Blaine	11/9	2	10	BF	I	1	10	5	6	1 5
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Blaine	11/9	2	10	BF	I	0	20	6	5	1 5
Blaine	11/9	2	10	BF	I	1	20	5	1	0 6
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Blaine	11/9	2	10	BF	N	1	0	5	5	1 6
Blaine	11/9	2	10	BF	N	2	0	5	1	0 5
Blaine	11/9	2	10	BF	N	0	5	5	3	1 5
Blaine	11/9	2	10	BF	N	1	5	5	6	1 6
Blaine	11/9	2	10	BF	N	2	5	5	5	1 6
Blaine	11/9	2	10	BF	N	0	10	5	6	1 5
Blaine	11/9	2	10	BF	N	1	10	5	4	1 5
Blaine	11/9	2	10	BF	N	2	10	4	4	1 5
Blaine	11/9	2	10	BF	N	0	20	5	4	1 6
Blaine	11/9	2	10	BF	N	1	20	5	1	0 6
Blaine	11/9	2	10	BF	N	2	20	.	.	. .
Blaine	11/9	2	10	CT	N	0	0	6	4	1 6
Blaine	11/9	2	10	CT	I	0	0	6	4	2 5
Blaine	11/9	2	10	CT	I	1	0	5	3	1 5
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Blaine	11/9	2	10	CT	I	0	5	4	4	1 5
Blaine	11/9	2	10	CT	I	1	5	6	1	0 5
Blaine	11/9	2	10	CT	I	2	5	5	5	1 6

Blaine	11/9	2	10	CT	I	0	10	6	2	1	5
Blaine	11/9	2	10	CT	I	1	10	5	3	1	6
Blaine	11/9	2	10	CT	I	2	10	4	1	0	6
Blaine	11/9	2	10	CT	I	0	20	5	5	1	5
Blaine	11/9	2	10	CT	I	1	20	6	2	1	.
Blaine	11/9	2	10	CT	I	2	20	2	1	0	6
Blaine	11/9	2	10	CT	N	1	0	6	1	0	5
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Blaine	11/9	2	10	CT	N	0	5	5	3	1	5
Blaine	11/9	2	10	CT	N	1	5	5	5	1	5
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Blaine	11/9	2	10	CT	N	0	10	5	5	1	6
Blaine	11/9	2	10	CT	N	1	10	5	5	1	5
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Blaine	11/9	2	10	CT	N	0	20	1	7	1	6
Blaine	11/9	2	10	CT	N	1	20	5	6	1	5
Blaine	11/9	2	10	CT	N	2	20	5	1	0	6
Teresa	11/13	2	14	BF	N	0	0	3	3	1	6
Teresa	11/13	2	14	BF	I	0	0	5	4	1	6
Teresa	11/13	2	14	BF	I	1	0	4	3	1	6
Teresa	11/13	2	14	BF	I	2	0	5	7	1	5
Teresa	11/13	2	14	BF	I	0	5	5	7	1	5
Teresa	11/13	2	14	BF	I	1	5	5	7	1	6
Teresa	11/13	2	14	BF	I	2	5	4	6	1	6
Teresa	11/13	2	14	BF	I	0	10	4	6	1	5
Teresa	11/13	2	14	BF	I	1	10	3	6	1	6
Teresa	11/13	2	14	BF	I	2	10	5	7	1	6
Teresa	11/13	2	14	BF	I	0	20	3	7	1	6
Teresa	11/13	2	14	BF	I	1	20	3	5	1	6
Teresa	11/13	2	14	BF	I	2	20	5	7	1	5
Teresa	11/13	2	14	BF	N	1	0	4	6	1	6
Teresa	11/13	2	14	BF	N	2	0	5	7	1	6
Teresa	11/13	2	14	BF	N	0	5	5	5	1	5
Teresa	11/13	2	14	BF	N	1	5	5	7	1	5
Teresa	11/13	2	14	BF	N	2	5	5	7	1	6
Teresa	11/13	2	14	BF	N	0	10	4	6	1	6
Teresa	11/13	2	14	BF	N	1	10	5	7	1	6
Teresa	11/13	2	14	BF	N	2	10	4	4	1	5
Teresa	11/13	2	14	BF	N	0	20	4	4	1	6
Teresa	11/13	2	14	BF	N	1	20	5	6	1	6
Teresa	11/13	2	14	BF	N	2	20	5	4	1	6
Teresa	11/13	2	14	CT	N	0	0	4	5	1	6
Teresa	11/13	2	14	CT	I	0	0	4	5	3	4

Teresa	11/13	2	14	CT	I	1	0	5	3	16
Teresa	11/13	2	14	CT	I	2	0	5	3	14
Teresa	11/13	2	14	CT	I	0	5	3	3	16
Teresa	11/13	2	14	CT	I	1	5	5	3	46
Teresa	11/13	2	14	CT	I	2	5	5	3	46
Teresa	11/13	2	14	CT	I	0	10	4	5	34
Teresa	11/13	2	14	CT	I	1	10	4	4	15
Teresa	11/13	2	14	CT	I	2	10	5	3	16
Teresa	11/13	2	14	CT	I	0	20	4	4	15
Teresa	11/13	2	14	CT	I	1	20	4	3	16
Teresa	11/13	2	14	CT	I	2	20	4	5	16
Teresa	11/13	2	14	CT	N	1	0	4	5	15
Teresa	11/13	2	14	CT	N	2	0	5	3	15
Teresa	11/13	2	14	CT	N	0	5	4	3	14
Teresa	11/13	2	14	CT	N	1	5	4	4	15
Teresa	11/13	2	14	CT	N	2	5	3	2	14
Teresa	11/13	2	14	CT	N	0	10	4	2	14
Teresa	11/13	2	14	CT	N	1	10	5	2	15
Teresa	11/13	2	14	CT	N	2	10	4	6	16
Teresa	11/13	2	14	CT	N	0	20	4	5	15
Teresa	11/13	2	14	CT	N	1	20	3	5	15
Teresa	11/13	2	14	CT	N	2	20	5	3	16
Tracey	11/13	2	14	BF	N	0	0	3	4	16
Tracey	11/13	2	14	BF	I	0	0	4	6	16
Tracey	11/13	2	14	BF	I	1	0	3	5	16
Tracey	11/13	2	14	BF	I	2	0	4	7	15
Tracey	11/13	2	14	BF	I	0	5	5	7	14
Tracey	11/13	2	14	BF	I	1	5	4	7	16
Tracey	11/13	2	14	BF	I	2	5	3	6	16
Tracey	11/13	2	14	BF	I	0	10	6	6	15
Tracey	11/13	2	14	BF	I	1	10	3	6	15
Tracey	11/13	2	14	BF	I	2	10	4	7	16
Tracey	11/13	2	14	BF	I	0	20	2	4	15
Tracey	11/13	2	14	BF	I	1	20	2	3	15
Tracey	11/13	2	14	BF	I	2	20	3	6	14
Tracey	11/13	2	14	BF	N	1	0	5	7	16
Tracey	11/13	2	14	BF	N	2	0	5	7	16
Tracey	11/13	2	14	BF	N	0	5	5	4	14
Tracey	11/13	2	14	BF	N	1	5	4	7	14
Tracey	11/13	2	14	BF	N	2	5	5	6	16
Tracey	11/13	2	14	BF	N	0	10	5	5	15
Tracey	11/13	2	14	BF	N	1	10	5	6	16
Tracey	11/13	2	14	BF	N	2	10	4	4	15

Tracey	11/13	2	14	BF	N	0	20	4	3	1 4
Tracey	11/13	2	14	BF	N	1	20	5	7	1 4
Tracey	11/13	2	14	BF	N	2	20	5	3	1 6
Tracey	11/13	2	14	CT	N	0	0	6	6	1 6
Tracey	11/13	2	14	CT	I	0	0	4	5	2 3
Tracey	11/13	2	14	CT	I	1	0	5	5	3 6
Tracey	11/13	2	14	CT	I	2	0	4	5	1 4
Tracey	11/13	2	14	CT	I	0	5	4	3	1 5
Tracey	11/13	2	14	CT	I	1	5	5	1	0 6
Tracey	11/13	2	14	CT	I	2	5	6	5	4 4
Tracey	11/13	2	14	CT	I	0	10	4	5	2 3
Tracey	11/13	2	14	CT	I	1	10	5	2	3 4
Tracey	11/13	2	14	CT	I	2	10	6	5	2 6
Tracey	11/13	2	14	CT	I	0	20	4	6	1 4
Tracey	11/13	2	14	CT	I	1	20	4	5	2 6
Tracey	11/13	2	14	CT	I	2	20	4	6	1 4
Tracey	11/13	2	14	CT	N	1	0	5	6	1 6
Tracey	11/13	2	14	CT	N	2	0	5	2	1 3
Tracey	11/13	2	14	CT	N	0	5	5	5	1 3
Tracey	11/13	2	14	CT	N	1	5	5	6	1 4
Tracey	11/13	2	14	CT	N	2	5	5	5	1 4
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Tracey	11/13	2	14	CT	N	1	10	5	3	1 4
Tracey	11/13	2	14	CT	N	2	10	4	6	1 6
Tracey	11/13	2	14	CT	N	0	20	6	6	1 5
Tracey	11/13	2	14	CT	N	1	20	4	6	1 5
Tracey	11/13	2	14	CT	N	2	20	6	4	1 5
Blaine	11/13	2	14	BF	N	0	0	4	2	2 6
Blaine	11/13	2	14	BF	I	0	0	3	3	1 6
Blaine	11/13	2	14	BF	I	1	0	4	3	1 6
Blaine	11/13	2	14	BF	I	2	0	1	7	1 4
Blaine	11/13	2	14	BF	I	0	5	4	6	1 4
Blaine	11/13	2	14	BF	I	1	5	1	7	1 5
Blaine	11/13	2	14	BF	I	2	5	4	2	1 6
Blaine	11/13	2	14	BF	I	0	10	4	6	1 5
Blaine	11/13	2	14	BF	I	1	10	4	5	1 6
Blaine	11/13	2	14	BF	I	2	10	3	6	1 6
Blaine	11/13	2	14	BF	I	0	20	2	6	1 5
Blaine	11/13	2	14	BF	I	1	20	3	3	1 5
Blaine	11/13	2	14	BF	I	2	20	4	5	1 4
Blaine	11/13	2	14	BF	N	1	0	1	7	1 5
Blaine	11/13	2	14	BF	N	2	0	4	6	1 6
Blaine	11/13	2	14	BF	N	0	5	4	3	1 5

Blaine	11/13	2	14	BF	N	1	5	1	7	14
Blaine	11/13	2	14	BF	N	2	5	3	4	17
Blaine	11/13	2	14	BF	N	0	10	5	5	15
Blaine	11/13	2	14	BF	N	1	10	3	4	15
Blaine	11/13	2	14	BF	N	2	10	2	6	15
Blaine	11/13	2	14	BF	N	0	20	4	2	15
Blaine	11/13	2	14	BF	N	1	20	4	6	14
Blaine	11/13	2	14	BF	N	2	20	4	3	16
Blaine	11/13	2	14	CT	N	0	0	4	5	16
Blaine	11/13	2	14	CT	I	0	0	4	1	03
Blaine	11/13	2	14	CT	I	1	0	5	3	14
Blaine	11/13	2	14	CT	I	2	0	4	1	05
Blaine	11/13	2	14	CT	I	0	5	4	2	15
Blaine	11/13	2	14	CT	I	1	5	4	1	05
Blaine	11/13	2	14	CT	I	2	5	4	2	15
Blaine	11/13	2	14	CT	I	0	10	4	3	14
Blaine	11/13	2	14	CT	I	1	10	4	2	14
Blaine	11/13	2	14	CT	I	2	10	4	2	15
Blaine	11/13	2	14	CT	I	0	20	4	2	14
Blaine	11/13	2	14	CT	I	1	20	4	2	16
Blaine	11/13	2	14	CT	I	2	20	4	5	14
Blaine	11/13	2	14	CT	N	1	0	4	3	16
Blaine	11/13	2	14	CT	N	2	0	.	.	.3
Blaine	11/13	2	14	CT	N	0	5	.	.	.3
Blaine	11/13	2	14	CT	N	1	5	4	5	14
Blaine	11/13	2	14	CT	N	2	5	4	2	13
Blaine	11/13	2	14	CT	N	0	10	4	2	53
Blaine	11/13	2	14	CT	N	1	10	5	3	44
Blaine	11/13	2	14	CT	N	2	10	4	5	15
Blaine	11/13	2	14	CT	N	0	20	4	5	14
Blaine	11/13	2	14	CT	N	1	20	4	4	14
Blaine	11/13	2	14	CT	N	2	20	4	2	15
Teresa	11/4	3	3	BF	N	0	0	5	3	15
Teresa	11/4	3	3	BF	I	0	0	.	.	..
Teresa	11/4	3	3	BF	I	1	0	5	3	15
Teresa	11/4	3	3	BF	I	2	0	.	.	..
Teresa	11/4	3	3	BF	I	0	5	5	7	17
Teresa	11/4	3	3	BF	I	1	5	5	7	15
Teresa	11/4	3	3	BF	I	2	5	.	.	..
Teresa	11/4	3	3	BF	I	0	10	5	4	14
Teresa	11/4	3	3	BF	I	1	10	4	5	16
Teresa	11/4	3	3	BF	I	2	10	4	5	16
Teresa	11/4	3	3	BF	I	0	20	5	5	15

Teresa	11/4	3	3	BF	I	1	20	.	.	.	.
Teresa	11/4	3	3	BF	I	2	20	5	5	1	5
Teresa	11/4	3	3	BF	N	1	0	4	3	1	5
Teresa	11/4	3	3	BF	N	2	0	5	5	1	6
Teresa	11/4	3	3	BF	N	0	5	6	5	1	6
Teresa	11/4	3	3	BF	N	1	5	5	4	1	5
Teresa	11/4	3	3	BF	N	2	5	5	6	1	6
Teresa	11/4	3	3	BF	N	0	10	4	5	1	7
Teresa	11/4	3	3	BF	N	1	10	.	.	.	.
Teresa	11/4	3	3	BF	N	2	10	4	5	1	6
Teresa	11/4	3	3	BF	N	0	20	4	4	1	6
Teresa	11/4	3	3	BF	N	1	20	4	5	1	7
Teresa	11/4	3	3	BF	N	2	20	.	.	.	.
Teresa	11/4	3	3	CT	N	0	0	6	1	0	5
Teresa	11/4	3	3	CT	I	0	0	4	1	0	5
Teresa	11/4	3	3	CT	I	1	0	.	.	.	.
Teresa	11/4	3	3	CT	I	2	0	.	.	.	.
Teresa	11/4	3	3	CT	I	0	5	.	.	.	.
Teresa	11/4	3	3	CT	I	1	5	4	1	0	6
Teresa	11/4	3	3	CT	I	2	5	4	2	5	5
Teresa	11/4	3	3	CT	I	0	10	4	2	1	5
Teresa	11/4	3	3	CT	I	1	10	5	3	4	6
Teresa	11/4	3	3	CT	I	2	10	6	6	1	5
Teresa	11/4	3	3	CT	I	0	20	5	2	4	5
Teresa	11/4	3	3	CT	I	1	20	6	2	2	6
Teresa	11/4	3	3	CT	I	2	20	5	2	1	5
Teresa	11/4	3	3	CT	N	1	0	5	3	4	6
Teresa	11/4	3	3	CT	N	2	0	5	4	1	5
Teresa	11/4	3	3	CT	N	0	5	5	2	1	5
Teresa	11/4	3	3	CT	N	1	5	5	3	1	7
Teresa	11/4	3	3	CT	N	2	5	6	3	1	6
Teresa	11/4	3	3	CT	N	0	10	5	1	0	4
Teresa	11/4	3	3	CT	N	1	10	6	2	4	5
Teresa	11/4	3	3	CT	N	2	10	6	3	1	5
Teresa	11/4	3	3	CT	N	0	20	6	2	1	5
Teresa	11/4	3	3	CT	N	1	20	5	2	1	6
Teresa	11/4	3	3	CT	N	2	20	5	5	1	6
Tracey	11/4	3	3	BF	N	0	0	5	4	1	5
Tracey	11/4	3	3	BF	I	0	0	.	.	.	.
Tracey	11/4	3	3	BF	I	1	0	5	3	1	5
Tracey	11/4	3	3	BF	I	2	0	.	.	.	.
Tracey	11/4	3	3	BF	I	0	5	4	6	1	7
Tracey	11/4	3	3	BF	I	1	5	5	3	1	5

Tracey	11/4	3	3	BF	I	2	5	.	.	. .
Tracey	11/4	3	3	BF	I	0	10	4	4	1 3
Tracey	11/4	3	3	BF	I	1	10	4	3	1 6
Tracey	11/4	3	3	BF	I	2	10	4	5	1 5
Tracey	11/4	3	3	BF	I	0	20	5	5	1 4
Tracey	11/4	3	3	BF	I	1	20	.	.	. .
Tracey	11/4	3	3	BF	I	2	20	6	4	1 4
Tracey	11/4	3	3	BF	N	1	0	3	3	1 7
Tracey	11/4	3	3	BF	N	2	0	5	4	1 5
Tracey	11/4	3	3	BF	N	0	5	5	4	1 6
Tracey	11/4	3	3	BF	N	1	5	5	4	1 3
Tracey	11/4	3	3	BF	N	2	5	5	5	1 5
Tracey	11/4	3	3	BF	N	0	10	4	6	1 7
Tracey	11/4	3	3	BF	N	1	10	.	.	. .
Tracey	11/4	3	3	BF	N	2	10	4	4	1 6
Tracey	11/4	3	3	BF	N	0	20	5	5	1 7
Tracey	11/4	3	3	BF	N	1	20	4	4	1 7
Tracey	11/4	3	3	BF	N	2	20	.	.	. .
Tracey	11/4	3	3	CT	N	0	0	6	1	0 3
Tracey	11/4	3	3	CT	I	0	0	2	1	0 3
Tracey	11/4	3	3	CT	I	1	0	.	.	. .
Tracey	11/4	3	3	CT	I	2	0	.	.	. .
Tracey	11/4	3	3	CT	I	0	5	.	.	. 7
Tracey	11/4	3	3	CT	I	1	5	2	1	0 2
Tracey	11/4	3	3	CT	I	2	5	3	1	0 4
Tracey	11/4	3	3	CT	I	0	10	2	1	0 7
Tracey	11/4	3	3	CT	I	1	10	1	1	0 3
Tracey	11/4	3	3	CT	I	2	10	5	4	1 4
Tracey	11/4	3	3	CT	I	0	20	5	1	0 4
Tracey	11/4	3	3	CT	I	1	20	4	3	1 6
Tracey	11/4	3	3	CT	I	2	20	4	1	0 5
Tracey	11/4	3	3	CT	N	1	0	3	1	0 7
Tracey	11/4	3	3	CT	N	2	0	5	5	3 6
Tracey	11/4	3	3	CT	N	0	5	5	2	3 7
Tracey	11/4	3	3	CT	N	1	5	5	2	2 .
Tracey	11/4	3	3	CT	N	2	5	5	3	1 6
Tracey	11/4	3	3	CT	N	0	10	2	1	0 3
Tracey	11/4	3	3	CT	N	1	10	5	4	4 5
Tracey	11/4	3	3	CT	N	2	10	.	.	. 3
Tracey	11/4	3	3	CT	N	0	20	4	1	0 3
Tracey	11/4	3	3	CT	N	1	20	4	4	3 6
Tracey	11/4	3	3	CT	N	2	20	5	4	1 7
Blaine	11/4	3	3	BF	N	0	0	5	4	1 5

Blaine	11/4	3	3	BF	I	0	0	.	.	.	6
Blaine	11/4	3	3	BF	I	1	0	5	4	1	5
Blaine	11/4	3	3	BF	I	2	0	.	.	.	6
Blaine	11/4	3	3	BF	I	0	5	2	6	1	4
Blaine	11/4	3	3	BF	I	1	5	4	4	1	6
Blaine	11/4	3	3	BF	I	2	5	.	.	.	6
Blaine	11/4	3	3	BF	I	0	10	3	5	1	5
Blaine	11/4	3	3	BF	I	1	10	3	4	1	5
Blaine	11/4	3	3	BF	I	2	10	3	5	1	5
Blaine	11/4	3	3	BF	I	0	20	2	6	1	6
Blaine	11/4	3	3	BF	I	1	20	.	.	.	5
Blaine	11/4	3	3	BF	I	2	20	5	4	1	6
Blaine	11/4	3	3	BF	N	1	0	3	5	1	5
Blaine	11/4	3	3	BF	N	2	0	3	4	1	6
Blaine	11/4	3	3	BF	N	0	5	5	4	1	5
Blaine	11/4	3	3	BF	N	1	5	5	5	1	6
Blaine	11/4	3	3	BF	N	2	5	5	5	1	5
Blaine	11/4	3	3	BF	N	0	10	2	6	1	6
Blaine	11/4	3	3	BF	N	1	10	.	.	.	5
Blaine	11/4	3	3	BF	N	2	10	3	5	1	6
Blaine	11/4	3	3	BF	N	0	20	4	5	1	6
Blaine	11/4	3	3	BF	N	1	20	3	5	1	5
Blaine	11/4	3	3	BF	N	2	20	.	.	.	4
Blaine	11/4	3	3	CT	N	0	0	4	1	0	4
Blaine	11/4	3	3	CT	I	0	0	3	5	1	4
Blaine	11/4	3	3	CT	I	1	0	.	.	.	.
Blaine	11/4	3	3	CT	I	2	0	.	.	.	.
Blaine	11/4	3	3	CT	I	0	5	.	.	.	.
Blaine	11/4	3	3	CT	I	1	5	.	.	.	.
Blaine	11/4	3	3	CT	I	2	5	3	1	0	4
Blaine	11/4	3	3	CT	I	0	10	4	1	0	4
Blaine	11/4	3	3	CT	I	1	10	4	4	2	7
Blaine	11/4	3	3	CT	I	2	10	1	1	0	5
Blaine	11/4	3	3	CT	I	0	20	4	1	0	5
Blaine	11/4	3	3	CT	I	1	20	3	3	2	6
Blaine	11/4	3	3	CT	I	2	20	4	1	0	5
Blaine	11/4	3	3	CT	N	1	0	4	4	1	7
Blaine	11/4	3	3	CT	N	2	0	5	3	1	6
Blaine	11/4	3	3	CT	N	0	5	5	2	1	7
Blaine	11/4	3	3	CT	N	1	5	5	1	0	5
Blaine	11/4	3	3	CT	N	2	5	5	2	1	6
Blaine	11/4	3	3	CT	N	0	10	4	1	0	3
Blaine	11/4	3	3	CT	N	1	10	.	.	.	4

Blaine	11/4	3	3	CT	N	2	10	5	4	1 3
Blaine	11/4	3	3	CT	N	0	20	5	1	0 4
Blaine	11/4	3	3	CT	N	1	20	.	.	. 7
Blaine	11/4	3	3	CT	N	2	20	5	1	0 7
Teresa	11/8	3	7	BF	N	0	0	5	4	1 5
Teresa	11/8	3	7	BF	I	0	0	4	5	1 .
Teresa	11/8	3	7	BF	I	1	0	3	4	1 5
Teresa	11/8	3	7	BF	I	2	0	4	5	1 5
Teresa	11/8	3	7	BF	I	0	5	4	6	1 5
Teresa	11/8	3	7	BF	I	1	5	5	5	1 7
Teresa	11/8	3	7	BF	I	2	5	.	.	. 4
Teresa	11/8	3	7	BF	I	0	10	4	5	1 5
Teresa	11/8	3	7	BF	I	1	10	4	3	1 5
Teresa	11/8	3	7	BF	I	2	10	4	5	1 4
Teresa	11/8	3	7	BF	I	0	20	4	4	1 .
Teresa	11/8	3	7	BF	I	1	20	4	2	1 7
Teresa	11/8	3	7	BF	I	2	20	.	.	. 5
Teresa	11/8	3	7	BF	N	1	0	4	3	1 5
Teresa	11/8	3	7	BF	N	2	0	4	5	1 5
Teresa	11/8	3	7	BF	N	0	5	5	5	1 .
Teresa	11/8	3	7	BF	N	1	5	4	4	1 4
Teresa	11/8	3	7	BF	N	2	5	5	3	1 6
Teresa	11/8	3	7	BF	N	0	10	4	4	1 6
Teresa	11/8	3	7	BF	N	1	10	5	6	1 6
Teresa	11/8	3	7	BF	N	2	10	5	5	1 7
Teresa	11/8	3	7	BF	N	0	20	.	.	. 5
Teresa	11/8	3	7	BF	N	1	20	.	.	. 6
Teresa	11/8	3	7	BF	N	2	20	5	5	1 .
Teresa	11/8	3	7	CT	N	0	0	5	2	1 6
Teresa	11/8	3	7	CT	I	0	0	.	.	. 6
Teresa	11/8	3	7	CT	I	1	0	5	6	1 6
Teresa	11/8	3	7	CT	I	2	0	4	3	4 6
Teresa	11/8	3	7	CT	I	0	5	5	2	4 5
Teresa	11/8	3	7	CT	I	1	5	4	4	2 5
Teresa	11/8	3	7	CT	I	2	5	4	2	5 .
Teresa	11/8	3	7	CT	I	0	10	5	2	4 6
Teresa	11/8	3	7	CT	I	1	10	5	2	1 6
Teresa	11/8	3	7	CT	I	2	10	5	2	4 4
Teresa	11/8	3	7	CT	I	0	20	.	.	. 5
Teresa	11/8	3	7	CT	I	1	20	4	2	5 6
Teresa	11/8	3	7	CT	I	2	20	5	2	2 .
Teresa	11/8	3	7	CT	N	1	0	5	2	1 7
Teresa	11/8	3	7	CT	N	2	0	5	1	0 6

Teresa	11/8	3	7	CT	N	0	5	.	.	. 6
Teresa	11/8	3	7	CT	N	1	5	5	1	0 6
Teresa	11/8	3	7	CT	N	2	5	5	5	1 6
Teresa	11/8	3	7	CT	N	0	10	4	3	5 6
Teresa	11/8	3	7	CT	N	1	10	5	1	0 5
Teresa	11/8	3	7	CT	N	2	10	4	5	1 6
Teresa	11/8	3	7	CT	N	0	20	5	3	4 .
Teresa	11/8	3	7	CT	N	1	20	5	7	1 .
Teresa	11/8	3	7	CT	N	2	20	.	.	. 6
Blaine	11/8	3	7	BF	N	0	0	5	4	1 4
Blaine	11/8	3	7	BF	I	0	0	4	5	1 .
Blaine	11/8	3	7	BF	I	1	0	5	4	1 4
Blaine	11/8	3	7	BF	I	2	0	4	4	1 5
Blaine	11/8	3	7	BF	I	0	5	4	6	1 5
Blaine	11/8	3	7	BF	I	1	5	5	4	3 6
Blaine	11/8	3	7	BF	I	2	5	.	.	. .
Blaine	11/8	3	7	BF	I	0	10	4	3	1 5
Blaine	11/8	3	7	BF	I	1	10	5	3	1 5
Blaine	11/8	3	7	BF	I	2	10	5	4	1 3
Blaine	11/8	3	7	BF	I	0	20	4	5	1 .
Blaine	11/8	3	7	BF	I	1	20	5	3	3 6
Blaine	11/8	3	7	BF	I	2	20	.	.	. 4
Blaine	11/8	3	7	BF	N	1	0	5	2	1 4
Blaine	11/8	3	7	BF	N	2	0	4	4	1 5
Blaine	11/8	3	7	BF	N	0	5	.	.	. .
Blaine	11/8	3	7	BF	N	1	5	5	4	3 .
Blaine	11/8	3	7	BF	N	2	5	5	4	1 6
Blaine	11/8	3	7	BF	N	0	10	5	4	2 6
Blaine	11/8	3	7	BF	N	1	10	3	2	1 6
Blaine	11/8	3	7	BF	N	2	10	5	4	1 6
Blaine	11/8	3	7	BF	N	0	20	.	.	. 5
Blaine	11/8	3	7	BF	N	1	20	.	.	. 6
Blaine	11/8	3	7	BF	N	2	20	5	5	1 .
Blaine	11/8	3	7	CT	N	0	0	5	2	1 6
Blaine	11/8	3	7	CT	I	0	0	.	.	. 6
Blaine	11/8	3	7	CT	I	1	0	1	1	0 6
Blaine	11/8	3	7	CT	I	2	0	4	4	2 6
Blaine	11/8	3	7	CT	I	0	5	5	4	2 5
Blaine	11/8	3	7	CT	I	1	5	5	5	1 5
Blaine	11/8	3	7	CT	I	2	5	5	4	2 .
Blaine	11/8	3	7	CT	I	0	10	5	5	2 6
Blaine	11/8	3	7	CT	I	1	10	3	1	0 6
Blaine	11/8	3	7	CT	I	2	10	5	4	2 5

Blaine	11/8	3	7	CT	I	0	20	.	.	. 5
Blaine	11/8	3	7	CT	I	1	20	5	4	2 6
Blaine	11/8	3	7	CT	I	2	20	5	2	1 .
Blaine	11/8	3	7	CT	N	1	0	6	1	0 6
Blaine	11/8	3	7	CT	N	2	0	5	5	4 5
Blaine	11/8	3	7	CT	N	0	5	.	.	. 6
Blaine	11/8	3	7	CT	N	1	5	5	1	0 .
Blaine	11/8	3	7	CT	N	2	5	5	2	1 6
Blaine	11/8	3	7	CT	N	0	10	4	5	1 6
Blaine	11/8	3	7	CT	N	1	10	5	4	2 5
Blaine	11/8	3	7	CT	N	2	10	5	5	1 6
Blaine	11/8	3	7	CT	N	0	20	5	2	1 .
Blaine	11/8	3	7	CT	N	1	20	2	1	0 .
Blaine	11/8	3	7	CT	N	2	20	.	.	. 6
Tracey	11/8	3	7	BF	N	0	0	5	5	1 6
Tracey	11/8	3	7	BF	I	0	0	5	6	1 6
Tracey	11/8	3	7	BF	I	1	0	4	4	1 7
Tracey	11/8	3	7	BF	I	2	0	4	5	1 6
Tracey	11/8	3	7	BF	I	0	5	5	6	1 5
Tracey	11/8	3	7	BF	I	1	5	4	5	3 5
Tracey	11/8	3	7	BF	I	2	5	.	.	. .
Tracey	11/8	3	7	BF	I	0	10	3	4	1 6
Tracey	11/8	3	7	BF	I	1	10	5	4	1 6
Tracey	11/8	3	7	BF	I	2	10	4	4	1 4
Tracey	11/8	3	7	BF	I	0	20	4	5	1 5
Tracey	11/8	3	7	BF	I	1	20	3	5	1 6
Tracey	11/8	3	7	BF	I	2	20	.	.	. .
Tracey	11/8	3	7	BF	N	1	0	4	3	1 7
Tracey	11/8	3	7	BF	N	2	0	3	6	1 5
Tracey	11/8	3	7	BF	N	0	5	5	4	1 6
Tracey	11/8	3	7	BF	N	1	5	4	3	1 6
Tracey	11/8	3	7	BF	N	2	5	5	5	1 7
Tracey	11/8	3	7	BF	N	0	10	5	5	1 5
Tracey	11/8	3	7	BF	N	1	10	5	6	1 6
Tracey	11/8	3	7	BF	N	2	10	5	6	1 6
Tracey	11/8	3	7	BF	N	0	20	.	.	. .
Tracey	11/8	3	7	BF	N	1	20	.	.	. .
Tracey	11/8	3	7	BF	N	2	20	5	6	1 6
Tracey	11/8	3	7	CT	N	0	0	5	1	0 3
Tracey	11/8	3	7	CT	I	0	0	.	.	. .
Tracey	11/8	3	7	CT	I	1	0	4	6	1 6
Tracey	11/8	3	7	CT	I	2	0	5	6	2 5
Tracey	11/8	3	7	CT	I	0	5	5	5	3 4

Tracey	11/8	3	7	CT	I	1	5	5	6	1 7
Tracey	11/8	3	7	CT	I	2	5	5	6	2 3
Tracey	11/8	3	7	CT	I	0	10	5	6	3 4
Tracey	11/8	3	7	CT	I	1	10	5	5	3 7
Tracey	11/8	3	7	CT	I	2	10	5	6	4 2
Tracey	11/8	3	7	CT	I	0	20	.	.	. .
Tracey	11/8	3	7	CT	I	1	20	.	.	. 7
Tracey	11/8	3	7	CT	I	2	20	5	3	1 3
Tracey	11/8	3	7	CT	N	1	0	5	1	0 4
Tracey	11/8	3	7	CT	N	2	0	5	3	3 7
Tracey	11/8	3	7	CT	N	0	5	.	.	. .
Tracey	11/8	3	7	CT	N	1	5	5	1	0 3
Tracey	11/8	3	7	CT	N	2	5	5	4	1 6
Tracey	11/8	3	7	CT	N	0	10	4	6	2 6
Tracey	11/8	3	7	CT	N	1	10	5	1	0 6
Tracey	11/8	3	7	CT	N	2	10	4	6	1 7
Tracey	11/8	3	7	CT	N	0	20	5	1	0 4
Tracey	11/8	3	7	CT	N	1	20	5	6	1 7
Tracey	11/8	3	7	CT	N	2	20	.	.	. .
Blaine	11/11	3	10	BF	N	0	0	.	.	. .
Blaine	11/11	3	10	BF	I	0	0	4	6	1 6
Blaine	11/11	3	10	BF	I	1	0	5	3	1 6
Blaine	11/11	3	10	BF	I	2	0	5	5	1 6
Blaine	11/11	3	10	BF	I	0	5	4	3	1 5
Blaine	11/11	3	10	BF	I	1	5	5	4	1 6
Blaine	11/11	3	10	BF	I	2	5	.	.	. .
Blaine	11/11	3	10	BF	I	0	10	.	.	. .
Blaine	11/11	3	10	BF	I	1	10	5	2	1 6
Blaine	11/11	3	10	BF	I	2	10	4	5	1 6
Blaine	11/11	3	10	BF	I	0	20	4	3	1 5
Blaine	11/11	3	10	BF	I	1	20	5	3	1 6
Blaine	11/11	3	10	BF	I	2	20	5	4	1 5
Blaine	11/11	3	10	BF	N	1	0	.	.	. .
Blaine	11/11	3	10	BF	N	2	0	4	6	1 5
Blaine	11/11	3	10	BF	N	0	5	.	.	. .
Blaine	11/11	3	10	BF	N	1	5	5	4	1 6
Blaine	11/11	3	10	BF	N	2	5	5	5	0 6
Blaine	11/11	3	10	BF	N	0	10	.	.	. .
Blaine	11/11	3	10	BF	N	1	10	5	3	1 6
Blaine	11/11	3	10	BF	N	2	10	4	6	1 6
Blaine	11/11	3	10	BF	N	0	20	5	2	0 6
Blaine	11/11	3	10	BF	N	1	20	1	7	1 4
Blaine	11/11	3	10	BF	N	2	20	5	4	1 6

Teresa	11/11	3	10	BF	N	0	0	.	.	. .
Teresa	11/11	3	10	BF	I	0	0	4	5	1 6
Teresa	11/11	3	10	BF	I	1	0	5	5	1 6
Teresa	11/11	3	10	BF	I	2	0	5	4	1 6
Teresa	11/11	3	10	BF	I	0	5	4	5	1 5
Teresa	11/11	3	10	BF	I	1	5	5	4	1 6
Teresa	11/11	3	10	BF	I	2	5	.	.	. .
Teresa	11/11	3	10	BF	I	0	10	.	.	. .
Teresa	11/11	3	10	BF	I	1	10	4	5	1 6
Teresa	11/11	3	10	BF	I	2	10	4	6	1 6
Teresa	11/11	3	10	BF	I	0	20	5	4	1 6
Teresa	11/11	3	10	BF	I	1	20	4	5	1 6
Teresa	11/11	3	10	BF	I	2	20	4	5	1 5
Teresa	11/11	3	10	BF	N	1	0	.	.	. .
Teresa	11/11	3	10	BF	N	2	0	4	6	1 6
Teresa	11/11	3	10	BF	N	0	5	.	.	. .
Teresa	11/11	3	10	BF	N	1	5	4	6	1 6
Teresa	11/11	3	10	BF	N	2	5	4	6	1 6
Teresa	11/11	3	10	BF	N	0	10	.	.	. .
Teresa	11/11	3	10	BF	N	1	10	5	4	1 6
Teresa	11/11	3	10	BF	N	2	10	4	6	1 6
Teresa	11/11	3	10	BF	N	0	20	4	5	1 6
Teresa	11/11	3	10	BF	N	1	20	5	7	1 5
Teresa	11/11	3	10	BF	N	2	20	5	5	1 6
Tracey	11/11	3	10	BF	N	0	0	.	.	. .
Tracey	11/11	3	10	BF	I	0	0	4	6	1 5
Tracey	11/11	3	10	BF	I	1	0	4	3	1 4
Tracey	11/11	3	10	BF	I	2	0	3	5	1 6
Tracey	11/11	3	10	BF	I	0	5	3	5	1 4
Tracey	11/11	3	10	BF	I	1	5	5	5	1 5
Tracey	11/11	3	10	BF	I	2	5	.	.	. .
Tracey	11/11	3	10	BF	I	0	10	.	.	. .
Tracey	11/11	3	10	BF	I	1	10	3	3	1 6
Tracey	11/11	3	10	BF	I	2	10	3	6	1 6
Tracey	11/11	3	10	BF	I	0	20	4	4	1 .
Tracey	11/11	3	10	BF	I	1	20	4	3	1 5
Tracey	11/11	3	10	BF	I	2	20	5	3	1 4
Tracey	11/11	3	10	BF	N	1	0	.	.	. .
Tracey	11/11	3	10	BF	N	2	0	5	6	1 5
Tracey	11/11	3	10	BF	N	0	5	.	.	. .
Tracey	11/11	3	10	BF	N	1	5	4	2	1 7
Tracey	11/11	3	10	BF	N	2	5	4	6	1 5
Tracey	11/11	3	10	BF	N	0	10	.	.	. .

Tracey	11/11	3	10	BF	N	1	10	5	5	1	5
Tracey	11/11	3	10	BF	N	2	10	4	6	1	6
Tracey	11/11	3	10	BF	N	0	20	5	4	1	5
Tracey	11/11	3	10	BF	N	1	20	4	7	1	4
Tracey	11/11	3	10	BF	N	2	20	5	3	1	6
Teresa	11/11	3	10	CT	N	0	0	5	4	1	6
Teresa	11/11	3	10	CT	I	0	0	.	.	.	.
Teresa	11/11	3	10	CT	I	1	0	.	.	.	.
Teresa	11/11	3	10	CT	I	2	0	.	.	.	.
Teresa	11/11	3	10	CT	I	0	5	.	.	.	.
Teresa	11/11	3	10	CT	I	1	5	4	5	1	7
Teresa	11/11	3	10	CT	I	2	5	4	5	1	7
Teresa	11/11	3	10	CT	I	0	10	4	6	1	4
Teresa	11/11	3	10	CT	I	1	10	4	5	1	6
Teresa	11/11	3	10	CT	I	2	10	.	.	.	.
Teresa	11/11	3	10	CT	I	0	20	.	.	.	.
Teresa	11/11	3	10	CT	I	1	20	4	3	5	5
Teresa	11/11	3	10	CT	I	2	20	5	5	1	6
Teresa	11/11	3	10	CT	N	1	0	.	.	.	.
Teresa	11/11	3	10	CT	N	2	0	5	5	1	6
Teresa	11/11	3	10	CT	N	0	5	5	3	1	6
Teresa	11/11	3	10	CT	N	1	5	5	3	1	6
Teresa	11/11	3	10	CT	N	2	5	5	4	1	6
Teresa	11/11	3	10	CT	N	0	10	4	3	1	6
Teresa	11/11	3	10	CT	N	1	10	4	5	1	6
Teresa	11/11	3	10	CT	N	2	10	4	5	1	6
Teresa	11/11	3	10	CT	N	0	20	5	1	0	5
Teresa	11/11	3	10	CT	N	1	20	5	7	1	6
Teresa	11/11	3	10	CT	N	2	20	4	3	1	6
Blaine	11/11	3	10	CT	N	0	0	5	3	1	6
Blaine	11/11	3	10	CT	I	0	0	.	.	.	.
Blaine	11/11	3	10	CT	I	1	0	.	.	.	.
Blaine	11/11	3	10	CT	I	2	0	.	.	.	.
Blaine	11/11	3	10	CT	I	0	5	.	.	.	.
Blaine	11/11	3	10	CT	I	1	5	5	5	1	6
Blaine	11/11	3	10	CT	I	2	5	5	4	1	6
Blaine	11/11	3	10	CT	I	0	10	5	3	1	4
Blaine	11/11	3	10	CT	I	1	10	5	6	1	6
Blaine	11/11	3	10	CT	I	2	10	.	.	.	.
Blaine	11/11	3	10	CT	I	0	20	.	.	.	.
Blaine	11/11	3	10	CT	I	1	20	5	3	1	5
Blaine	11/11	3	10	CT	I	2	20	5	5	1	5
Blaine	11/11	3	10	CT	N	1	0	.	.	.	.

Blaine	11/11	3	10	CT	N	2	0	5	4	1	6
Blaine	11/11	3	10	CT	N	0	5	5	3	2	6
Blaine	11/11	3	10	CT	N	1	5	5	2	1	6
Blaine	11/11	3	10	CT	N	2	5	5	4	1	6
Blaine	11/11	3	10	CT	N	0	10	4	1	0	6
Blaine	11/11	3	10	CT	N	1	10	5	4	1	6
Blaine	11/11	3	10	CT	N	2	10	4	5	1	4
Blaine	11/11	3	10	CT	N	0	20	5	1	0	6
Blaine	11/11	3	10	CT	N	1	20	1	7	1	6
Blaine	11/11	3	10	CT	N	2	20	5	3	1	6
Tracey	11/11	3	10	CT	N	0	0	5	3	4	7
Tracey	11/11	3	10	CT	I	0	0	.	.	.	.
Tracey	11/11	3	10	CT	I	1	0	.	.	.	.
Tracey	11/11	3	10	CT	I	2	0	.	.	.	.
Tracey	11/11	3	10	CT	I	0	5	.	.	.	.
Tracey	11/11	3	10	CT	I	1	5	6	6	3	7
Tracey	11/11	3	10	CT	I	2	5	6	6	3	7
Tracey	11/11	3	10	CT	I	0	10	5	5	3	3
Tracey	11/11	3	10	CT	I	1	10	5	6	2	6
Tracey	11/11	3	10	CT	I	2	10	.	.	.	.
Tracey	11/11	3	10	CT	I	0	20	.	.	.	.
Tracey	11/11	3	10	CT	I	1	20	5	5	4	5
Tracey	11/11	3	10	CT	I	2	20	5	5	3	6
Tracey	11/11	3	10	CT	N	1	0	.	.	.	.
Tracey	11/11	3	10	CT	N	2	0	5	3	2	7
Tracey	11/11	3	10	CT	N	0	5	5	4	4	6
Tracey	11/11	3	10	CT	N	1	5	5	2	1	7
Tracey	11/11	3	10	CT	N	2	5	5	5	4	6
Tracey	11/11	3	10	CT	N	0	10	5	1	0	6
Tracey	11/11	3	10	CT	N	1	10	5	3	4	6
Tracey	11/11	3	10	CT	N	2	10	4	4	1	6
Tracey	11/11	3	10	CT	N	0	20	5	1	0	4
Tracey	11/11	3	10	CT	N	1	20	4	7	1	7
Tracey	11/11	3	10	CT	N	2	20	5	3	1	6
Blaine	11/15	3	14	BF	N	0	0	.	.	.	.
Blaine	11/15	3	14	BF	I	0	0	1	7	1	6
Blaine	11/15	3	14	BF	I	1	0	4	4	1	5
Blaine	11/15	3	14	BF	I	2	0	4	2	1	6
Blaine	11/15	3	14	BF	I	0	5	1	7	1	4
Blaine	11/15	3	14	BF	I	1	5	5	2	1	6
Blaine	11/15	3	14	BF	I	2	5	.	.	.	.
Blaine	11/15	3	14	BF	I	0	10	5	3	1	6
Blaine	11/15	3	14	BF	I	1	10	.	.	.	.

Blaine	11/15	3	14	BF	I	2	10	4	3	15
Blaine	11/15	3	14	BF	I	0	20	4	2	16
Blaine	11/15	3	14	BF	I	1	20	1	7	15
Blaine	11/15	3	14	BF	I	2	20	4	4	16
Blaine	11/15	3	14	BF	N	1	0	1	7	16
Blaine	11/15	3	14	BF	N	2	0	1	7	15
Blaine	11/15	3	14	BF	N	0	5	4	2	15
Blaine	11/15	3	14	BF	N	1	5	1	7	14
Blaine	11/15	3	14	BF	N	2	5	1	7	16
Blaine	11/15	3	14	BF	N	0	10	.	.	..
Blaine	11/15	3	14	BF	N	1	10	1	7	17
Blaine	11/15	3	14	BF	N	2	10	4	1	14
Blaine	11/15	3	14	BF	N	0	20	1	7	13
Blaine	11/15	3	14	BF	N	1	20	.	.	..
Blaine	11/15	3	14	BF	N	2	20	1	7	16
Blaine	11/15	3	14	CT	N	0	0	6	1	05
Blaine	11/15	3	14	CT	I	0	0	.	.	..
Blaine	11/15	3	14	CT	I	1	0	5	1	04
Blaine	11/15	3	14	CT	I	2	0	4	2	56
Blaine	11/15	3	14	CT	I	0	5	4	5	15
Blaine	11/15	3	14	CT	I	1	5	2	1	04
Blaine	11/15	3	14	CT	I	2	5	2	5	14
Blaine	11/15	3	14	CT	I	0	10	3	1	03
Blaine	11/15	3	14	CT	I	1	10	4	4	14
Blaine	11/15	3	14	CT	I	2	10	5	5	16
Blaine	11/15	3	14	CT	I	0	20	4	5	14
Blaine	11/15	3	14	CT	I	1	20	4	5	15
Blaine	11/15	3	14	CT	I	2	20	5	4	25
Blaine	11/15	3	14	CT	N	1	0	6	5	26
Blaine	11/15	3	14	CT	N	2	0	5	4	16
Blaine	11/15	3	14	CT	N	0	5	5	3	24
Blaine	11/15	3	14	CT	N	1	5	5	2	05
Blaine	11/15	3	14	CT	N	2	5	5	1	04
Blaine	11/15	3	14	CT	N	0	10	6	3	16
Blaine	11/15	3	14	CT	N	1	10	5	5	14
Blaine	11/15	3	14	CT	N	2	10	5	5	25
Blaine	11/15	3	14	CT	N	0	20	5	1	05
Blaine	11/15	3	14	CT	N	1	20	3	2	14
Blaine	11/15	3	14	CT	N	2	20	5	4	16
Tracey	11/15	3	14	CT	N	0	0	5	2	17
Tracey	11/15	3	14	CT	I	0	0	.	.	..
Tracey	11/15	3	14	CT	I	1	0	4	2	23
Tracey	11/15	3	14	CT	I	2	0	5	5	16

Tracey	11/15	3	14	CT	I	0	5	5	6	37
Tracey	11/15	3	14	CT	I	1	5	5	7	14
Tracey	11/15	3	14	CT	I	2	5	5	6	16
Tracey	11/15	3	14	CT	I	0	10	4	5	11
Tracey	11/15	3	14	CT	I	1	10	4	6	14
Tracey	11/15	3	14	CT	I	2	10	5	6	16
Tracey	11/15	3	14	CT	I	0	20	5	3	13
Tracey	11/15	3	14	CT	I	1	20	5	6	24
Tracey	11/15	3	14	CT	I	2	20	5	5	15
Tracey	11/15	3	14	CT	N	1	0	5	6	17
Tracey	11/15	3	14	CT	N	2	0	5	6	17
Tracey	11/15	3	14	CT	N	0	5	5	3	12
Tracey	11/15	3	14	CT	N	1	5	6	4	15
Tracey	11/15	3	14	CT	N	2	5	5	1	06
Tracey	11/15	3	14	CT	N	0	10	6	5	14
Tracey	11/15	3	14	CT	N	1	10	5	6	15
Tracey	11/15	3	14	CT	N	2	10	5	3	17
Tracey	11/15	3	14	CT	N	0	20	5	2	14
Tracey	11/15	3	14	CT	N	1	20	4	3	14
Tracey	11/15	3	14	CT	N	2	20	5	5	1.
Tracey	11/15	3	14	BF	N	0	0	.	.	..
Tracey	11/15	3	14	BF	I	0	0	4	6	16
Tracey	11/15	3	14	BF	I	1	0	4	5	15
Tracey	11/15	3	14	BF	I	2	0	3	4	16
Tracey	11/15	3	14	BF	I	0	5	2	6	14
Tracey	11/15	3	14	BF	I	1	5	5	3	16
Tracey	11/15	3	14	BF	I	2	5	.	.	..
Tracey	11/15	3	14	BF	I	0	10	5	5	16
Tracey	11/15	3	14	BF	I	1	10	.	.	..
Tracey	11/15	3	14	BF	I	2	10	4	5	16
Tracey	11/15	3	14	BF	I	0	20	4	4	16
Tracey	11/15	3	14	BF	I	1	20	4	7	15
Tracey	11/15	3	14	BF	I	2	20	4	4	15
Tracey	11/15	3	14	BF	N	1	0	3	7	15
Tracey	11/15	3	14	BF	N	2	0	5	7	14
Tracey	11/15	3	14	BF	N	0	5	5	2	14
Tracey	11/15	3	14	BF	N	1	5	4	6	12
Tracey	11/15	3	14	BF	N	2	5	5	7	16
Tracey	11/15	3	14	BF	N	0	10	.	.	..
Tracey	11/15	3	14	BF	N	1	10	4	7	16
Tracey	11/15	3	14	BF	N	2	10	3	3	12
Tracey	11/15	3	14	BF	N	0	20	4	7	14
Tracey	11/15	3	14	BF	N	1	20	.	.	..

Tracey	11/15	3	14	BF	N	2	20	5	6	1	6
Teresa	11/15	3	14	CT	N	0	0	.	.	.	6
Teresa	11/15	3	14	CT	I	0	0	.	.	.	.
Teresa	11/15	3	14	CT	I	1	0	.	.	.	4
Teresa	11/15	3	14	CT	I	2	0	.	.	.	6
Teresa	11/15	3	14	CT	I	0	5	.	.	.	6
Teresa	11/15	3	14	CT	I	1	5	.	.	.	6
Teresa	11/15	3	14	CT	I	2	5	.	.	.	6
Teresa	11/15	3	14	CT	I	0	10	.	.	.	4
Teresa	11/15	3	14	CT	I	1	10	.	.	.	5
Teresa	11/15	3	14	CT	I	2	10	.	.	.	6
Teresa	11/15	3	14	CT	I	0	20	.	.	.	4
Teresa	11/15	3	14	CT	I	1	20	.	.	.	5
Teresa	11/15	3	14	CT	I	2	20	.	.	.	5
Teresa	11/15	3	14	CT	N	1	0	.	.	.	6
Teresa	11/15	3	14	CT	N	2	0	.	.	.	6
Teresa	11/15	3	14	CT	N	0	5	.	.	.	5
Teresa	11/15	3	14	CT	N	1	5	.	.	.	5
Teresa	11/15	3	14	CT	N	2	5	.	.	.	6
Teresa	11/15	3	14	CT	N	0	10	.	.	.	5
Teresa	11/15	3	14	CT	N	1	10	.	.	.	6
Teresa	11/15	3	14	CT	N	2	10	.	.	.	4
Teresa	11/15	3	14	CT	N	0	20	.	.	.	6
Teresa	11/15	3	14	CT	N	1	20	.	.	.	5
Teresa	11/15	3	14	CT	N	2	20	.	.	.	6
Teresa	11/15	3	14	BF	N	0	0	.	.	.	.
Teresa	11/15	3	14	BF	I	0	0	.	.	.	6
Teresa	11/15	3	14	BF	I	1	0	.	.	.	5
Teresa	11/15	3	14	BF	I	2	0	.	.	.	6
Teresa	11/15	3	14	BF	I	0	5	.	.	.	5
Teresa	11/15	3	14	BF	I	1	5	.	.	.	6
Teresa	11/15	3	14	BF	I	2	5	.	.	.	.
Teresa	11/15	3	14	BF	I	0	10	.	.	.	6
Teresa	11/15	3	14	BF	I	1	10	.	.	.	.
Teresa	11/15	3	14	BF	I	2	10	.	.	.	5
Teresa	11/15	3	14	BF	I	0	20	.	.	.	6
Teresa	11/15	3	14	BF	I	1	20	.	.	.	6
Teresa	11/15	3	14	BF	I	2	20	.	.	.	6
Teresa	11/15	3	14	BF	N	1	0	.	.	.	6
Teresa	11/15	3	14	BF	N	2	0	.	.	.	5
Teresa	11/15	3	14	BF	N	0	5	.	.	.	6
Teresa	11/15	3	14	BF	N	1	5	.	.	.	5
Teresa	11/15	3	14	BF	N	2	5	.	.	.	6

Teresa	11/15	3	14	BF	N	0	10	.	.	. .
Teresa	11/15	3	14	BF	N	1	10	.	.	. 6
Teresa	11/15	3	14	BF	N	2	10	.	.	. 4
Teresa	11/15	3	14	BF	N	0	20	.	.	. 5
Teresa	11/15	3	14	BF	N	1	20	.	.	. .
Teresa	11/15	3	14	BF	N	2	20	.	.	. 6
Blaine	11/1	1	3	BF	N	0	0	5	5	1 6
Blaine	11/1	1	3	BF	I	0	0	5	5	1 5
Blaine	11/1	1	3	BF	I	1	0	5	4	1 6
Blaine	11/1	1	3	BF	I	2	0	5	5	1 7
Blaine	11/1	1	3	BF	I	0	5	6	1	0 4
Blaine	11/1	1	3	BF	I	1	5	6	2	2 5
Blaine	11/1	1	3	BF	I	2	5	.	.	. .
Blaine	11/1	1	3	BF	I	0	10	5	4	1 5
Blaine	11/1	1	3	BF	I	1	10	5	2	1 6
Blaine	11/1	1	3	BF	I	2	10	6	4	1 5
Blaine	11/1	1	3	BF	I	0	20	5	2	3 4
Blaine	11/1	1	3	BF	I	1	20	5	6	1 5
Blaine	11/1	1	3	BF	I	2	20	5	2	1 6
Blaine	11/1	1	3	BF	N	1	0	5	4	1 5
Blaine	11/1	1	3	BF	N	2	0	5	4	1 6
Blaine	11/1	1	3	BF	N	0	5	5	2	2 6
Blaine	11/1	1	3	BF	N	1	5	4	6	1 7
Blaine	11/1	1	3	BF	N	2	5	1	7	1 4
Blaine	11/1	1	3	BF	N	0	10	.	.	. .
Blaine	11/1	1	3	BF	N	1	10	4	5	1 7
Blaine	11/1	1	3	BF	N	2	10	5	5	1 5
Blaine	11/1	1	3	BF	N	0	20	4	6	1 5
Blaine	11/1	1	3	BF	N	1	20	5	1	0 5
Blaine	11/1	1	3	BF	N	2	20	6	1	0 .
Teresa	11/1	1	3	BF	N	0	0	5	3	1 .
Teresa	11/1	1	3	BF	I	0	0	5	3	1 .
Teresa	11/1	1	3	BF	I	1	0	5	3	1 .
Teresa	11/1	1	3	BF	I	2	0	6	3	1 .
Teresa	11/1	1	3	BF	I	0	5	4	1	0 .
Teresa	11/1	1	3	BF	I	1	5	4	2	1 .
Teresa	11/1	1	3	BF	I	2	5	.	.	. .
Teresa	11/1	1	3	BF	I	0	10	5	3	1 .
Teresa	11/1	1	3	BF	I	1	10	5	2	1 .
Teresa	11/1	1	3	BF	I	2	10	4	2	1 .
Teresa	11/1	1	3	BF	I	0	20	6	2	4 .
Teresa	11/1	1	3	BF	I	1	20	4	3	1 .
Teresa	11/1	1	3	BF	I	2	20	5	3	1 .

Teresa	11/1	1	3	BF	N	1	0	5	3	1	.
Teresa	11/1	1	3	BF	N	2	0	5	3	1	.
Teresa	11/1	1	3	BF	N	0	5	5	2	1	.
Teresa	11/1	1	3	BF	N	1	5	5	5	1	.
Teresa	11/1	1	3	BF	N	2	5	5	7	1	.
Teresa	11/1	1	3	BF	N	0	10	.	.	.	.
Teresa	11/1	1	3	BF	N	1	10	4	4	1	.
Teresa	11/1	1	3	BF	N	2	10	5	5	1	.
Teresa	11/1	1	3	BF	N	0	20	4	6	1	.
Teresa	11/1	1	3	BF	N	1	20	6	1	0	.
Teresa	11/1	1	3	BF	N	2	20	4	2	3	.
Tracey	10/31	2	1	BF	N	0	0	5	1	0	5
Tracey	10/31	2	1	BF	I	0	0	5	4	1	5
Tracey	10/31	2	1	BF	I	1	0	5	2	1	5
Tracey	10/31	2	1	BF	I	2	0	5	2	1	5
Tracey	10/31	2	1	BF	I	0	5	5	4	1	5
Tracey	10/31	2	1	BF	I	1	5	4	4	1	4
Tracey	10/31	2	1	BF	I	2	5	.	.	.	.
Tracey	10/31	2	1	BF	I	0	10	4	3	3	5
Tracey	10/31	2	1	BF	I	1	10	5	2	3	3
Tracey	10/31	2	1	BF	I	2	10	4	1	0	7
Tracey	10/31	2	1	BF	I	0	20	3	1	0	3
Tracey	10/31	2	1	BF	I	1	20	6	1	0	5
Tracey	10/31	2	1	BF	I	2	20	5	2	1	5
Tracey	10/31	2	1	BF	N	1	0	4	1	0	5
Tracey	10/31	2	1	BF	N	2	0	5	6	1	7
Tracey	10/31	2	1	BF	N	0	5	5	3	1	7
Tracey	10/31	2	1	BF	N	1	5	5	6	1	6
Tracey	10/31	2	1	BF	N	2	5	4	4	1	6
Tracey	10/31	2	1	BF	N	0	10	5	2	1	6
Tracey	10/31	2	1	BF	N	1	10	5	6	1	6
Tracey	10/31	2	1	BF	N	2	10	5	2	1	3
Tracey	10/31	2	1	BF	N	0	20	4	5	1	.
Tracey	10/31	2	1	BF	N	1	20	5	2	1	6
Tracey	10/31	2	1	BF	N	2	20	5	2	1	5
Tracey	10/31	2	1	CT	N	0	0	4	6	1	6
Tracey	10/31	2	1	CT	I	0	0	5	1	0	5
Tracey	10/31	2	1	CT	I	1	0	.	.	.	3
Tracey	10/31	2	1	CT	I	2	0	3	3	2	3
Tracey	10/31	2	1	CT	I	0	5	5	2	3	3
Tracey	10/31	2	1	CT	I	1	5	.	.	.	.
Tracey	10/31	2	1	CT	I	2	5	3	2	2	3
Tracey	10/31	2	1	CT	I	0	10	5	2	4	5

Tracey	10/31	2	1	CT	I	1	10	5	2	4	3
Tracey	10/31	2	1	CT	I	2	10	5	2	3	3
Tracey	10/31	2	1	CT	I	0	20	4	3	2	1
Tracey	10/31	2	1	CT	I	1	20	3	4	2	2
Tracey	10/31	2	1	CT	I	2	20	4	4	2	3
Tracey	10/31	2	1	CT	N	1	0	4	2	3	5
Tracey	10/31	2	1	CT	N	2	0	4	2	3	6
Tracey	10/31	2	1	CT	N	0	5	5	3	3	3
Tracey	10/31	2	1	CT	N	1	5	5	6	1	2
Tracey	10/31	2	1	CT	N	2	5	3	1	0	7
Tracey	10/31	2	1	CT	N	0	10	5	2	3	2
Tracey	10/31	2	1	CT	N	1	10	4	3	3	5
Tracey	10/31	2	1	CT	N	2	10	5	4	2	5
Tracey	10/31	2	1	CT	N	0	20	4	2	2	3
Tracey	10/31	2	1	CT	N	1	20	5	4	1	.
Tracey	10/31	2	1	CT	N	2	20	4	2	3	4
Teresa	10/31	2	1	BF	N	0	0	4	1	0	5
Teresa	10/31	2	1	BF	I	0	0	4	3	1	5
Teresa	10/31	2	1	BF	I	1	0	4	1	0	3
Teresa	10/31	2	1	BF	I	2	0	5	2	4	5
Teresa	10/31	2	1	BF	I	0	5	5	4	1	6
Teresa	10/31	2	1	BF	I	1	5	4	3	3	5
Teresa	10/31	2	1	BF	I	2	5	.	.	.	.
Teresa	10/31	2	1	BF	I	0	10	4	2	3	5
Teresa	10/31	2	1	BF	I	1	10	5	1	0	4
Teresa	10/31	2	1	BF	I	2	10	4	1	0	6
Teresa	10/31	2	1	BF	I	0	20	3	1	0	5
Teresa	10/31	2	1	BF	I	1	20	4	1	0	5
Teresa	10/31	2	1	BF	I	2	20	5	2	1	6
Teresa	10/31	2	1	BF	N	1	0	5	1	0	5
Teresa	10/31	2	1	BF	N	2	0	4	3	1	6
Teresa	10/31	2	1	BF	N	0	5	5	3	1	6
Teresa	10/31	2	1	BF	N	1	5	5	5	1	6
Teresa	10/31	2	1	BF	N	2	5	6	6	1	6
Teresa	10/31	2	1	BF	N	0	10	5	3	1	6
Teresa	10/31	2	1	BF	N	1	10	5	3	1	6
Teresa	10/31	2	1	BF	N	2	10	5	2	1	5
Teresa	10/31	2	1	BF	N	0	20	5	4	1	.
Teresa	10/31	2	1	BF	N	1	20	5	3	1	6
Teresa	10/31	2	1	BF	N	2	20	4	2	1	5
Teresa	10/31	2	1	CT	N	0	0	1	7	1	6
Teresa	10/31	2	1	CT	I	0	0	5	1	0	4
Teresa	10/31	2	1	CT	I	1	0	5	2	4	5

Teresa	10/31	2	1	CT	I	2	0	4	3	3	5
Teresa	10/31	2	1	CT	I	0	5	5	1	0	4
Teresa	10/31	2	1	CT	I	1	5	.	.	.	.
Teresa	10/31	2	1	CT	I	2	5	5	2	4	3
Teresa	10/31	2	1	CT	I	0	10	5	2	4	6
Teresa	10/31	2	1	CT	I	1	10	5	2	4	3
Teresa	10/31	2	1	CT	I	2	10	5	1	0	5
Teresa	10/31	2	1	CT	I	0	20	5	2	4	1
Teresa	10/31	2	1	CT	I	1	20	5	1	0	4
Teresa	10/31	2	1	CT	I	2	20	4	2	3	3
Teresa	10/31	2	1	CT	N	1	0	5	2	4	5
Teresa	10/31	2	1	CT	N	2	0	5	2	4	6
Teresa	10/31	2	1	CT	N	0	5	4	3	3	4
Teresa	10/31	2	1	CT	N	1	5	5	3	1	3
Teresa	10/31	2	1	CT	N	2	5	4	3	3	5
Teresa	10/31	2	1	CT	N	0	10	5	2	4	2
Teresa	10/31	2	1	CT	N	1	10	5	3	4	5
Teresa	10/31	2	1	CT	N	2	10	4	2	4	5
Teresa	10/31	2	1	CT	N	0	20	5	2	4	4
Teresa	10/31	2	1	CT	N	1	20	5	5	1	6
Teresa	10/31	2	1	CT	N	2	20	5	2	3	5
Blaine	10/31	2	1	CT	N	0	0	1	6	1	5
Blaine	10/31	2	1	CT	I	0	0	5	1	0	3
Blaine	10/31	2	1	CT	I	1	0	5	2	3	4
Blaine	10/31	2	1	CT	I	2	0	4	6	3	4
Blaine	10/31	2	1	CT	I	0	5	4	1	0	3
Blaine	10/31	2	1	CT	I	1	5	.	.	.	.
Blaine	10/31	2	1	CT	I	2	5	5	2	2	3
Blaine	10/31	2	1	CT	I	0	10	4	1	0	6
Blaine	10/31	2	1	CT	I	1	10	5	1	0	2
Blaine	10/31	2	1	CT	I	2	10	5	1	0	3
Blaine	10/31	2	1	CT	I	0	20	5	2	4	2
Blaine	10/31	2	1	CT	I	1	20	4	1	0	4
Blaine	10/31	2	1	CT	I	2	20	4	3	2	3
Blaine	10/31	2	1	CT	N	1	0	5	2	4	5
Blaine	10/31	2	1	CT	N	2	0	5	2	4	5
Blaine	10/31	2	1	CT	N	0	5	5	3	4	3
Blaine	10/31	2	1	CT	N	1	5	5	4	1	4
Blaine	10/31	2	1	CT	N	2	5	4	4	4	5
Blaine	10/31	2	1	CT	N	0	10	5	2	4	2
Blaine	10/31	2	1	CT	N	1	10	5	1	0	5
Blaine	10/31	2	1	CT	N	2	10	4	5	3	4
Blaine	10/31	2	1	CT	N	0	20	5	1	4	5

Blaine	10/31	2	1	CT	N	1	20	5	6	1	5
Blaine	10/31	2	1	CT	N	2	20	5	1	0	3
Blaine	10/31	2	1	BF	N	0	0	4	2	3	4
Blaine	10/31	2	1	BF	I	0	0	4	4	1	5
Blaine	10/31	2	1	BF	I	1	0	4	2	1	3
Blaine	10/31	2	1	BF	I	2	0	5	2	2	4
Blaine	10/31	2	1	BF	I	0	5	5	3	1	5
Blaine	10/31	2	1	BF	I	1	5	4	5	2	5
Blaine	10/31	2	1	BF	I	2	5	.	.	.	.
Blaine	10/31	2	1	BF	I	0	10	4	2	3	5
Blaine	10/31	2	1	BF	I	1	10	4	1	0	3
Blaine	10/31	2	1	BF	I	2	10	4	1	0	5
Blaine	10/31	2	1	BF	I	0	20	3	1	0	4
Blaine	10/31	2	1	BF	I	1	20	3	2	1	4
Blaine	10/31	2	1	BF	I	2	20	4	2	3	6
Blaine	10/31	2	1	BF	N	1	0	5	1	0	4
Blaine	10/31	2	1	BF	N	2	0	5	5	1	6
Blaine	10/31	2	1	BF	N	0	5	5	3	1	6
Blaine	10/31	2	1	BF	N	1	5	1	2	5	6
Blaine	10/31	2	1	BF	N	2	5	5	4	1	6
Blaine	10/31	2	1	BF	N	0	10	5	3	1	5
Blaine	10/31	2	1	BF	N	1	10	5	4	1	5
Blaine	10/31	2	1	BF	N	2	10	5	2	1	4
Blaine	10/31	2	1	BF	N	0	20	5	4	1	5
Blaine	10/31	2	1	BF	N	1	20	5	2	1	6
Blaine	10/31	2	1	BF	N	2	20	5	2	1	5
Blaine	11/2	2	3	CT	N	0	0	4	1	0	3
Blaine	11/2	2	3	CT	I	0	0	4	1	0	.
Blaine	11/2	2	3	CT	I	1	0	5	1	0	6
Blaine	11/2	2	3	CT	I	2	0	4	2	1	7
Blaine	11/2	2	3	CT	I	0	5	4	4	2	6
Blaine	11/2	2	3	CT	I	1	5	5	1	0	6
Blaine	11/2	2	3	CT	I	2	5	4	4	2	6
Blaine	11/2	2	3	CT	I	0	10	4	1	0	4
Blaine	11/2	2	3	CT	I	1	10	4	2	1	3
Blaine	11/2	2	3	CT	I	2	10	4	1	0	3
Blaine	11/2	2	3	CT	I	0	20	4	1	0	4
Blaine	11/2	2	3	CT	I	1	20	5	2	1	6
Blaine	11/2	2	3	CT	I	2	20	2	2	1	5
Blaine	11/2	2	3	CT	N	1	0	4	4	2	6
Blaine	11/2	2	3	CT	N	2	0	3	2	2	5
Blaine	11/2	2	3	CT	N	0	5	4	2	1	6
Blaine	11/2	2	3	CT	N	1	5	4	2	1	5

Blaine	11/2	2	3	CT	N	2	5	4	1	0 3
Blaine	11/2	2	3	CT	N	0	10	4	1	0 3
Blaine	11/2	2	3	CT	N	1	10	5	3	3 6
Blaine	11/2	2	3	CT	N	2	10	2	2	3 4
Blaine	11/2	2	3	CT	N	0	20	5	2	1 4
Blaine	11/2	2	3	CT	N	1	20	5	4	4 6
Blaine	11/2	2	3	CT	N	2	20	4	2	1 7
Blaine	11/2	2	3	BF	N	0	0	5	1	0 .
Blaine	11/2	2	3	BF	I	0	0	5	3	1 .
Blaine	11/2	2	3	BF	I	1	0	4	4	1 .
Blaine	11/2	2	3	BF	I	2	0	4	2	2 .
Blaine	11/2	2	3	BF	I	0	5	5	2	1 .
Blaine	11/2	2	3	BF	I	1	5	3	3	1 .
Blaine	11/2	2	3	BF	I	2	5	4	4	1 .
Blaine	11/2	2	3	BF	I	0	10	4	1	0 .
Blaine	11/2	2	3	BF	I	1	10	5	2	2 .
Blaine	11/2	2	3	BF	I	2	10	.	.	. .
Blaine	11/2	2	3	BF	I	0	20	4	3	1 .
Blaine	11/2	2	3	BF	I	1	20	6	4	1 .
Blaine	11/2	2	3	BF	I	2	20	6	1	0 .
Blaine	11/2	2	3	BF	N	1	0	5	5	1 .
Blaine	11/2	2	3	BF	N	2	0	5	2	2 .
Blaine	11/2	2	3	BF	N	0	5	5	5	1 .
Blaine	11/2	2	3	BF	N	1	5	5	5	1 .
Blaine	11/2	2	3	BF	N	2	5	5	5	1 .
Blaine	11/2	2	3	BF	N	0	10	5	4	1 .
Blaine	11/2	2	3	BF	N	1	10	4	6	1 .
Blaine	11/2	2	3	BF	N	2	10	5	1	0 .
Blaine	11/2	2	3	BF	N	0	20	4	5	1 .
Blaine	11/2	2	3	BF	N	1	20	5	5	1 .
Blaine	11/2	2	3	BF	N	2	20	4	3	2 .
Tracey	11/2	2	3	BF	N	0	0	4	1	0 7
Tracey	11/2	2	3	BF	I	0	0	4	3	1 .
Tracey	11/2	2	3	BF	I	1	0	4	5	1 .
Tracey	11/2	2	3	BF	I	2	0	3	2	1 2
Tracey	11/2	2	3	BF	I	0	5	5	5	1 7
Tracey	11/2	2	3	BF	I	1	5	2	4	1 4
Tracey	11/2	2	3	BF	I	2	5	5	6	1 7
Tracey	11/2	2	3	BF	I	0	10	.	.	. 5
Tracey	11/2	2	3	BF	I	1	10	5	5	1 5
Tracey	11/2	2	3	BF	I	2	10	.	.	. .
Tracey	11/2	2	3	BF	I	0	20	3	4	1 4
Tracey	11/2	2	3	BF	I	1	20	2	3	1 6

Tracey	11/2	2	3	BF	I	2	20	3	1	05
Tracey	11/2	2	3	BF	N	1	0	5	5	17
Tracey	11/2	2	3	BF	N	2	0	5	2	16
Tracey	11/2	2	3	BF	N	0	5	5	5	14
Tracey	11/2	2	3	BF	N	1	5	5	4	16
Tracey	11/2	2	3	BF	N	2	5	5	5	16
Tracey	11/2	2	3	BF	N	0	10	5	4	16
Tracey	11/2	2	3	BF	N	1	10	5	5	1.
Tracey	11/2	2	3	BF	N	2	10	5	1	06
Tracey	11/2	2	3	BF	N	0	20	5	6	15
Tracey	11/2	2	3	BF	N	1	20	5	5	16
Tracey	11/2	2	3	BF	N	2	20	5	3	17
Tracey	11/2	2	3	CT	N	0	0	4	1	04
Tracey	11/2	2	3	CT	I	0	0	4	1	03
Tracey	11/2	2	3	CT	I	1	0	5	1	07
Tracey	11/2	2	3	CT	I	2	0	4	3	17
Tracey	11/2	2	3	CT	I	0	5	3	2	17
Tracey	11/2	2	3	CT	I	1	5	5	1	07
Tracey	11/2	2	3	CT	I	2	5	6	3	16
Tracey	11/2	2	3	CT	I	0	10	5	1	05
Tracey	11/2	2	3	CT	I	1	10	5	2	12
Tracey	11/2	2	3	CT	I	2	10	5	1	0.
Tracey	11/2	2	3	CT	I	0	20	4	1	04
Tracey	11/2	2	3	CT	I	1	20	5	2	17
Tracey	11/2	2	3	CT	I	2	20	3	3	16
Tracey	11/2	2	3	CT	N	1	0	5	1	07
Tracey	11/2	2	3	CT	N	2	0	5	1	06
Tracey	11/2	2	3	CT	N	0	5	5	2	17
Tracey	11/2	2	3	CT	N	1	5	5	2	14
Tracey	11/2	2	3	CT	N	2	5	4	1	04
Tracey	11/2	2	3	CT	N	0	10	5	1	03
Tracey	11/2	2	3	CT	N	1	10	5	2	17
Tracey	11/2	2	3	CT	N	2	10	5	3	15
Tracey	11/2	2	3	CT	N	0	20	5	4	15
Tracey	11/2	2	3	CT	N	1	20	4	2	57
Tracey	11/2	2	3	CT	N	2	20	5	2	17
Teresa	11/2	2	3	CT	N	0	0	5	3	6.
Teresa	11/2	2	3	CT	I	0	0	5	1	0.
Teresa	11/2	2	3	CT	I	1	0	4	3	5.
Teresa	11/2	2	3	CT	I	2	0	4	3	1.
Teresa	11/2	2	3	CT	I	0	5	5	2	1.
Teresa	11/2	2	3	CT	I	1	5	4	1	0.
Teresa	11/2	2	3	CT	I	2	5	5	3	1.

Teresa	11/2	2	3	CT	I	0	10	5	1	0.
Teresa	11/2	2	3	CT	I	1	10	6	2	1.
Teresa	11/2	2	3	CT	I	2	10	4	1	0.
Teresa	11/2	2	3	CT	I	0	20	5	3	4.
Teresa	11/2	2	3	CT	I	1	20	4	2	1.
Teresa	11/2	2	3	CT	I	2	20	5	3	1.
Teresa	11/2	2	3	CT	N	1	0	5	4	4.
Teresa	11/2	2	3	CT	N	2	0	6	1	0.
Teresa	11/2	2	3	CT	N	0	5	5	2	1.
Teresa	11/2	2	3	CT	N	1	5	5	2	1.
Teresa	11/2	2	3	CT	N	2	5	5	1	0.
Teresa	11/2	2	3	CT	N	0	10	5	2	4.
Teresa	11/2	2	3	CT	N	1	10	6	2	1.
Teresa	11/2	2	3	CT	N	2	10	6	2	4.
Teresa	11/2	2	3	CT	N	0	20	6	5	1.
Teresa	11/2	2	3	CT	N	1	20	5	2	6.
Teresa	11/2	2	3	CT	N	2	20	5	3	1.
Teresa	11/2	2	3	BF	N	0	0	5	1	07
Teresa	11/2	2	3	BF	I	0	0	5	3	6.
Teresa	11/2	2	3	BF	I	1	0	5	4	16
Teresa	11/2	2	3	BF	I	2	0	4	2	1.
Teresa	11/2	2	3	BF	I	0	5	6	4	15
Teresa	11/2	2	3	BF	I	1	5	4	2	15
Teresa	11/2	2	3	BF	I	2	5	4	5	16
Teresa	11/2	2	3	BF	I	0	10	4	2	15
Teresa	11/2	2	3	BF	I	1	10	5	4	65
Teresa	11/2	2	3	BF	I	2	10	.	.	..
Teresa	11/2	2	3	BF	I	0	20	4	3	55
Teresa	11/2	2	3	BF	I	1	20	4	3	26
Teresa	11/2	2	3	BF	I	2	20	4	1	05
Teresa	11/2	2	3	BF	N	1	0	6	3	16
Teresa	11/2	2	3	BF	N	2	0	6	3	5.
Teresa	11/2	2	3	BF	N	0	5	5	5	15
Teresa	11/2	2	3	BF	N	1	5	6	4	16
Teresa	11/2	2	3	BF	N	2	5	6	5	16
Teresa	11/2	2	3	BF	N	0	10	5	6	16
Teresa	11/2	2	3	BF	N	1	10	5	7	1.
Teresa	11/2	2	3	BF	N	2	10	5	1	06
Teresa	11/2	2	3	BF	N	0	20	4	6	15
Teresa	11/2	2	3	BF	N	1	20	6	6	16
Teresa	11/2	2	3	BF	N	2	20	5	3	15
Blaine	11/2	3	1	BF	N	0	0	5	4	15
Blaine	11/2	3	1	BF	I	0	0	3	6	15

Blaine	11/2	3	1	BF	I	1	0	4	4	1	5
Blaine	11/2	3	1	BF	I	2	0	4	6	1	6
Blaine	11/2	3	1	BF	I	0	5	3	6	1	7
Blaine	11/2	3	1	BF	I	1	5	4	4	2	6
Blaine	11/2	3	1	BF	I	2	5	.	.	.	.
Blaine	11/2	3	1	BF	I	0	10	3	4	2	5
Blaine	11/2	3	1	BF	I	1	10	4	3	1	5
Blaine	11/2	3	1	BF	I	2	10	4	3	1	4
Blaine	11/2	3	1	BF	I	0	20	4	4	1	4
Blaine	11/2	3	1	BF	I	1	20	4	5	1	6
Blaine	11/2	3	1	BF	I	2	20	.	.	.	.
Blaine	11/2	3	1	BF	N	1	0	4	6	1	6
Blaine	11/2	3	1	BF	N	2	0	4	4	1	5
Blaine	11/2	3	1	BF	N	0	5	4	2	1	4
Blaine	11/2	3	1	BF	N	1	5	4	3	1	5
Blaine	11/2	3	1	BF	N	2	5	3	5	1	6
Blaine	11/2	3	1	BF	N	0	10	5	3	1	6
Blaine	11/2	3	1	BF	N	1	10	5	4	1	7
Blaine	11/2	3	1	BF	N	2	10	4	5	1	6
Blaine	11/2	3	1	BF	N	0	20	5	3	1	.
Blaine	11/2	3	1	BF	N	1	20	4	4	1	5
Blaine	11/2	3	1	BF	N	2	20	5	3	1	5
Blaine	11/2	3	1	CT	N	0	0	5	1	0	3
Blaine	11/2	3	1	CT	I	0	0	4	1	0	3
Blaine	11/2	3	1	CT	I	1	0	5	1	0	4
Blaine	11/2	3	1	CT	I	2	0	3	5	1	4
Blaine	11/2	3	1	CT	I	0	5	6	1	0	4
Blaine	11/2	3	1	CT	I	1	5	4	2	1	4
Blaine	11/2	3	1	CT	I	2	5	4	3	1	5
Blaine	11/2	3	1	CT	I	0	10	.	.	.	.
Blaine	11/2	3	1	CT	I	1	10	1	1	0	5
Blaine	11/2	3	1	CT	I	2	10	5	3	2	5
Blaine	11/2	3	1	CT	I	0	20	4	4	3	5
Blaine	11/2	3	1	CT	I	1	20	4	1	0	5
Blaine	11/2	3	1	CT	I	2	20	5	2	1	5
Blaine	11/2	3	1	CT	N	1	0	4	1	0	5
Blaine	11/2	3	1	CT	N	2	0	5	3	4	5
Blaine	11/2	3	1	CT	N	0	5	5	2	1	6
Blaine	11/2	3	1	CT	N	1	5	4	2	4	4
Blaine	11/2	3	1	CT	N	2	5	5	4	1	5
Blaine	11/2	3	1	CT	N	0	10	4	2	2	2
Blaine	11/2	3	1	CT	N	1	10	5	1	0	4
Blaine	11/2	3	1	CT	N	2	10	4	2	1	3

Blaine	11/2	3	1	CT	N	0	20	4	1	0	4
Blaine	11/2	3	1	CT	N	1	20	4	4	1	5
Blaine	11/2	3	1	CT	N	2	20	4	2	5	3
Tracey	11/2	3	1	CT	N	0	0	5	1	0	2
Tracey	11/2	3	1	CT	I	0	0	3	1	0	2
Tracey	11/2	3	1	CT	I	1	0	4	1	0	5
Tracey	11/2	3	1	CT	I	2	0	5	5	1	4
Tracey	11/2	3	1	CT	I	0	5	4	2	1	5
Tracey	11/2	3	1	CT	I	1	5	3	4	1	3
Tracey	11/2	3	1	CT	I	2	5	4	4	1	5
Tracey	11/2	3	1	CT	I	0	10	.	.	.	.
Tracey	11/2	3	1	CT	I	1	10	5	6	1	4
Tracey	11/2	3	1	CT	I	2	10	4	3	1	6
Tracey	11/2	3	1	CT	I	0	20	3	5	2	5
Tracey	11/2	3	1	CT	I	1	20	4	1	0	4
Tracey	11/2	3	1	CT	I	2	20	5	3	2	6
Tracey	11/2	3	1	CT	N	1	0	4	3	3	5
Tracey	11/2	3	1	CT	N	2	0	5	3	3	5
Tracey	11/2	3	1	CT	N	0	5	5	2	1	7
Tracey	11/2	3	1	CT	N	1	5	3	3	5	3
Tracey	11/2	3	1	CT	N	2	5	5	4	1	6
Tracey	11/2	3	1	CT	N	0	10	3	2	2	3
Tracey	11/2	3	1	CT	N	1	10	3	2	1	6
Tracey	11/2	3	1	CT	N	2	10	.	.	.	4
Tracey	11/2	3	1	CT	N	0	20	5	1	0	5
Tracey	11/2	3	1	CT	N	1	20	5	3	2	6
Tracey	11/2	3	1	CT	N	2	20	3	4	5	3
Tracey	11/2	3	1	BF	N	0	0	5	4	1	5
Tracey	11/2	3	1	BF	I	0	0	4	5	1	5
Tracey	11/2	3	1	BF	I	1	0	5	4	1	6
Tracey	11/2	3	1	BF	I	2	0	5	6	1	6
Tracey	11/2	3	1	BF	I	0	5	4	7	1	7
Tracey	11/2	3	1	BF	I	1	5	5	4	1	5
Tracey	11/2	3	1	BF	I	2	5	.	.	.	.
Tracey	11/2	3	1	BF	I	0	10	4	6	1	6
Tracey	11/2	3	1	BF	I	1	10	5	4	1	5
Tracey	11/2	3	1	BF	I	2	10	5	4	1	7
Tracey	11/2	3	1	BF	I	0	20	.	.	.	3
Tracey	11/2	3	1	BF	I	1	20	3	5	1	6
Tracey	11/2	3	1	BF	I	2	20	.	.	.	.
Tracey	11/2	3	1	BF	N	1	0	4	6	1	7
Tracey	11/2	3	1	BF	N	2	0	5	4	1	7
Tracey	11/2	3	1	BF	N	0	5	5	3	1	4

Tracey	11/2	3	1	BF	N	1	5	5	4	17
Tracey	11/2	3	1	BF	N	2	5	5	6	17
Tracey	11/2	3	1	BF	N	0	10	5	4	17
Tracey	11/2	3	1	BF	N	1	10	5	6	17
Tracey	11/2	3	1	BF	N	2	10	5	6	16
Tracey	11/2	3	1	BF	N	0	20	5	5	1.
Tracey	11/2	3	1	BF	N	1	20	4	5	15
Tracey	11/2	3	1	BF	N	2	20	5	4	15
Tracey	12/4	1	1	SL	N	0	0	5	1	05
Tracey	12/4	1	1	SL	I	0	0	3	2	54
Tracey	12/4	1	1	SL	I	1	0	5	4	33
Tracey	12/4	1	1	SL	I	2	0	5	3	4.
Tracey	12/4	1	1	SL	I	0	5	5	3	46
Tracey	12/4	1	1	SL	I	1	5	4	2	56
Tracey	12/4	1	1	SL	I	2	5	5	1	0.
Tracey	12/4	1	1	SL	I	0	10	4	2	57
Tracey	12/4	1	1	SL	I	1	10	5	2	23
Tracey	12/4	1	1	SL	I	2	10	6	1	04
Tracey	12/4	1	1	SL	I	0	20	3	2	53
Tracey	12/4	1	1	SL	I	1	20	6	1	05
Tracey	12/4	1	1	SL	I	2	20	4	1	05
Tracey	12/4	1	1	SL	N	1	0	5	1	04
Tracey	12/4	1	1	SL	N	2	0	3	2	12
Tracey	12/4	1	1	SL	N	0	5	.	.	..
Tracey	12/4	1	1	SL	N	1	5	5	1	05
Tracey	12/4	1	1	SL	N	2	5	5	1	03
Tracey	12/4	1	1	SL	N	0	10	5	1	0.
Tracey	12/4	1	1	SL	N	1	10	5	3	24
Tracey	12/4	1	1	SL	N	2	10	5	1	03
Tracey	12/4	1	1	SL	N	0	20	5	1	05
Tracey	12/4	1	1	SL	N	1	20	5	1	0.
Tracey	12/4	1	1	SL	N	2	20	5	3	13
Blaine	12/4	1	1	SL	N	0	0	6	1	04
Blaine	12/4	1	1	SL	I	0	0	6	1	05
Blaine	12/4	1	1	SL	I	1	0	5	2	13
Blaine	12/4	1	1	SL	I	2	0	6	1	0.
Blaine	12/4	1	1	SL	I	0	5	5	1	05
Blaine	12/4	1	1	SL	I	1	5	5	1	06
Blaine	12/4	1	1	SL	I	2	5	6	1	06
Blaine	12/4	1	1	SL	I	0	10	5	1	07
Blaine	12/4	1	1	SL	I	1	10	5	1	04
Blaine	12/4	1	1	SL	I	2	10	5	1	05
Blaine	12/4	1	1	SL	I	0	20	6	1	03

Blaine	12/4	1	1	SL	I	1	20	6	1	0	4
Blaine	12/4	1	1	SL	I	2	20	6	1	0	5
Blaine	12/4	1	1	SL	N	1	0	5	1	0	4
Blaine	12/4	1	1	SL	N	2	0	6	1	0	3
Blaine	12/4	1	1	SL	N	0	5	.	.	.	.
Blaine	12/4	1	1	SL	N	1	5	5	1	0	5
Blaine	12/4	1	1	SL	N	2	5	5	1	0	3
Blaine	12/4	1	1	SL	N	0	10	5	1	0	.
Blaine	12/4	1	1	SL	N	1	10	5	1	0	4
Blaine	12/4	1	1	SL	N	2	10	5	1	0	4
Blaine	12/4	1	1	SL	N	0	20	5	1	0	4
Blaine	12/4	1	1	SL	N	1	20	5	1	0	.
Blaine	12/4	1	1	SL	N	2	20	5	1	0	3
Tracey	12/4	1	1	TB	N	0	0	6	1	0	4
Tracey	12/4	1	1	TB	I	0	0	5	1	0	7
Tracey	12/4	1	1	TB	I	1	0	4	1	0	6
Tracey	12/4	1	1	TB	I	2	0	5	1	0	4
Tracey	12/4	1	1	TB	I	0	5	4	3	1	6
Tracey	12/4	1	1	TB	I	1	5	5	1	0	.
Tracey	12/4	1	1	TB	I	2	5	5	2	4	7
Tracey	12/4	1	1	TB	I	0	10	5	2	1	5
Tracey	12/4	1	1	TB	I	1	10	5	1	0	7
Tracey	12/4	1	1	TB	I	2	10	4	5	1	5
Tracey	12/4	1	1	TB	I	0	20	6	1	0	6
Tracey	12/4	1	1	TB	I	1	20	4	2	1	3
Tracey	12/4	1	1	TB	I	2	20	5	1	0	7
Tracey	12/4	1	1	TB	N	1	0	5	2	1	6
Tracey	12/4	1	1	TB	N	2	0	4	1	0	6
Tracey	12/4	1	1	TB	N	0	5	5	3	1	7
Tracey	12/4	1	1	TB	N	1	5	5	1	0	.
Tracey	12/4	1	1	TB	N	2	5	6	2	1	5
Tracey	12/4	1	1	TB	N	0	10	5	1	0	7
Tracey	12/4	1	1	TB	N	1	10	5	3	1	3
Tracey	12/4	1	1	TB	N	2	10	4	3	1	5
Tracey	12/4	1	1	TB	N	0	20	5	2	1	5
Tracey	12/4	1	1	TB	N	1	20	4	2	1	7
Tracey	12/4	1	1	TB	N	2	20	.	.	.	7
Blaine	12/4	1	1	TB	N	0	0	6	1	0	4
Blaine	12/4	1	1	TB	I	0	0	6	1	0	6
Blaine	12/4	1	1	TB	I	1	0	6	1	0	5
Blaine	12/4	1	1	TB	I	2	0	5	1	0	3
Blaine	12/4	1	1	TB	I	0	5	6	2	1	6
Blaine	12/4	1	1	TB	I	1	5	6	1	0	6

Blaine	12/4	1	1	TB	I	2	5	6	1	0	4
Blaine	12/4	1	1	TB	I	0	10	6	2	1	6
Blaine	12/4	1	1	TB	I	1	10	5	1	0	5
Blaine	12/4	1	1	TB	I	2	10	6	1	0	5
Blaine	12/4	1	1	TB	I	0	20	6	1	0	3
Blaine	12/4	1	1	TB	I	1	20	6	1	0	3
Blaine	12/4	1	1	TB	I	2	20	6	1	0	6
Blaine	12/4	1	1	TB	I	1	0	6	1	0	5
Blaine	12/4	1	1	TB	I	2	0	6	1	0	5
Blaine	12/4	1	1	TB	I	0	5	6	2	4	6
Blaine	12/4	1	1	TB	I	1	5	5	1	0	.
Blaine	12/4	1	1	TB	I	2	5	6	2	1	4
Blaine	12/4	1	1	TB	I	0	10	6	1	0	6
Blaine	12/4	1	1	TB	I	1	10	5	1	0	3
Blaine	12/4	1	1	TB	I	2	10	6	1	0	4
Blaine	12/4	1	1	TB	I	0	20	5	1	0	4
Blaine	12/4	1	1	TB	I	1	20	6	1	0	6
Blaine	12/4	1	1	TB	I	2	20	4	1	0	6
Blaine	12/6	1	3	TB	N	0	0	2	1	0	7
Blaine	12/6	1	3	TB	I	0	0	.	.	.	6
Blaine	12/6	1	3	TB	I	1	0	3	1	0	4
Blaine	12/6	1	3	TB	I	2	0	4	2	2	7
Blaine	12/6	1	3	TB	I	0	5	3	1	0	7
Blaine	12/6	1	3	TB	I	1	5	3	1	0	7
Blaine	12/6	1	3	TB	I	2	5	3	1	0	7
Blaine	12/6	1	3	TB	I	0	10	2	1	0	7
Blaine	12/6	1	3	TB	I	1	10	3	1	0	6
Blaine	12/6	1	3	TB	I	2	10	2	2	1	7
Blaine	12/6	1	3	TB	I	0	20	3	3	4	7
Blaine	12/6	1	3	TB	I	1	20	3	4	1	7
Blaine	12/6	1	3	TB	I	2	20	2	1	0	7
Blaine	12/6	1	3	TB	N	1	0	4	1	0	7
Blaine	12/6	1	3	TB	N	2	0	3	1	0	4
Blaine	12/6	1	3	TB	N	0	5	3	2	2	4
Blaine	12/6	1	3	TB	N	1	5	3	1	0	4
Blaine	12/6	1	3	TB	N	2	5	4	1	0	4
Blaine	12/6	1	3	TB	N	0	10	4	1	0	3
Blaine	12/6	1	3	TB	N	1	10	2	5	1	6
Blaine	12/6	1	3	TB	N	2	10	2	3	1	7
Blaine	12/6	1	3	TB	N	0	20	5	2	6	7
Blaine	12/6	1	3	TB	N	1	20	2	1	0	7
Blaine	12/6	1	3	TB	N	2	20	3	1	0	7
Teresa	12/6	1	3	TB	N	0	0	2	3	1	7

Teresa	12/6	1	3	TB	I	0	0	2	4	15
Teresa	12/6	1	3	TB	I	1	0	4	1	07
Teresa	12/6	1	3	TB	I	2	0	3	1	07
Teresa	12/6	1	3	TB	I	0	5	3	1	07
Teresa	12/6	1	3	TB	I	1	5	2	1	05
Teresa	12/6	1	3	TB	I	2	5	3	3	26
Teresa	12/6	1	3	TB	I	0	10	2	1	07
Teresa	12/6	1	3	TB	I	1	10	2	3	36
Teresa	12/6	1	3	TB	I	2	10	2	3	1.
Teresa	12/6	1	3	TB	I	0	20	3	3	17
Teresa	12/6	1	3	TB	I	1	20	2	6	17
Teresa	12/6	1	3	TB	I	2	20	2	2	16
Teresa	12/6	1	3	TB	N	1	0	4	1	07
Teresa	12/6	1	3	TB	N	2	0	4	1	07
Teresa	12/6	1	3	TB	N	0	5	2	4	16
Teresa	12/6	1	3	TB	N	1	5	3	2	15
Teresa	12/6	1	3	TB	N	2	5	5	2	15
Teresa	12/6	1	3	TB	N	0	10	3	1	04
Teresa	12/6	1	3	TB	N	1	10	2	6	14
Teresa	12/6	1	3	TB	N	2	10	3	3	17
Teresa	12/6	1	3	TB	N	0	20	4	3	5.
Teresa	12/6	1	3	TB	N	1	20	2	3	1.
Teresa	12/6	1	3	TB	N	2	20	3	2	16
Blaine	12/6	1	3	SL	N	0	0	6	1	03
Blaine	12/6	1	3	SL	I	0	0	6	1	04
Blaine	12/6	1	3	SL	I	1	0	6	1	04
Blaine	12/6	1	3	SL	I	2	0	4	1	06
Blaine	12/6	1	3	SL	I	0	5	5	1	05
Blaine	12/6	1	3	SL	I	1	5	5	1	07
Blaine	12/6	1	3	SL	I	2	5	6	1	06
Blaine	12/6	1	3	SL	I	0	10	6	1	05
Blaine	12/6	1	3	SL	I	1	10	6	3	55
Blaine	12/6	1	3	SL	I	2	10	6	2	56
Blaine	12/6	1	3	SL	I	0	20	4	1	04
Blaine	12/6	1	3	SL	I	1	20	6	1	04
Blaine	12/6	1	3	SL	I	2	20	5	2	65
Blaine	12/6	1	3	SL	N	1	0	5	1	07
Blaine	12/6	1	3	SL	N	2	0	6	5	14
Blaine	12/6	1	3	SL	N	0	5	5	1	04
Blaine	12/6	1	3	SL	N	1	5	5	1	05
Blaine	12/6	1	3	SL	N	2	5	5	1	05
Blaine	12/6	1	3	SL	N	0	10	5	1	05
Blaine	12/6	1	3	SL	N	1	10	4	1	05

Blaine	12/6	1	3	SL	N	2	10	6	1	0	6
Blaine	12/6	1	3	SL	N	0	20	5	1	0	4
Blaine	12/6	1	3	SL	N	1	20	5	1	0	5
Blaine	12/6	1	3	SL	N	2	20	5	2	6	5
Teresa	12/6	1	3	SL	N	0	0	3	4	1	5
Teresa	12/6	1	3	SL	I	0	0	5	2	4	4
Teresa	12/6	1	3	SL	I	1	0	4	1	0	6
Teresa	12/6	1	3	SL	I	2	0	2	1	0	7
Teresa	12/6	1	3	SL	I	0	5	6	4	5	6
Teresa	12/6	1	3	SL	I	1	5	6	4	1	7
Teresa	12/6	1	3	SL	I	2	5	5	1	0	6
Teresa	12/6	1	3	SL	I	0	10	5	4	6	7
Teresa	12/6	1	3	SL	I	1	10	4	5	5	6
Teresa	12/6	1	3	SL	I	2	10	5	2	4	6
Teresa	12/6	1	3	SL	I	0	20	4	2	5	6
Teresa	12/6	1	3	SL	I	1	20	3	1	0	5
Teresa	12/6	1	3	SL	I	2	20	4	3	1	7
Teresa	12/6	1	3	SL	N	1	0	6	1	0	6
Teresa	12/6	1	3	SL	N	2	0	5	6	1	6
Teresa	12/6	1	3	SL	N	0	5	5	2	4	6
Teresa	12/6	1	3	SL	N	1	5	6	1	0	6
Teresa	12/6	1	3	SL	N	2	5	6	3	5	7
Teresa	12/6	1	3	SL	N	0	10	6	4	5	6
Teresa	12/6	1	3	SL	N	1	10	5	1	0	7
Teresa	12/6	1	3	SL	N	2	10	5	1	0	5
Teresa	12/6	1	3	SL	N	0	20	4	1	0	6
Teresa	12/6	1	3	SL	N	1	20	5	3	6	7
Teresa	12/6	1	3	SL	N	2	20	5	1	0	6
Tracey	12/6	1	3	SL	N	0	0	4	5	1	2
Tracey	12/6	1	3	SL	I	0	0	2	4	1	3
Tracey	12/6	1	3	SL	I	1	0	2	3	4	4
Tracey	12/6	1	3	SL	I	2	0	3	2	2	7
Tracey	12/6	1	3	SL	I	0	5	5	3	3	4
Tracey	12/6	1	3	SL	I	1	5	4	3	1	7
Tracey	12/6	1	3	SL	I	2	5	4	2	5	5
Tracey	12/6	1	3	SL	I	0	10	4	3	1	4
Tracey	12/6	1	3	SL	I	1	10	3	3	1	4
Tracey	12/6	1	3	SL	I	2	10	6	3	1	7
Tracey	12/6	1	3	SL	I	0	20	3	5	1	3
Tracey	12/6	1	3	SL	I	1	20	4	2	3	3
Tracey	12/6	1	3	SL	I	2	20	3	3	5	4
Tracey	12/6	1	3	SL	N	1	0	5	1	0	7
Tracey	12/6	1	3	SL	N	2	0	2	6	1	3

Tracey	12/6	1	3	SL	N	0	5	5	1	0	4
Tracey	12/6	1	3	SL	N	1	5	5	5	1	4
Tracey	12/6	1	3	SL	N	2	5	5	4	1	5
Tracey	12/6	1	3	SL	N	0	10	5	4	1	5
Tracey	12/6	1	3	SL	N	1	10	6	3	4	6
Tracey	12/6	1	3	SL	N	2	10	5	2	6	4
Tracey	12/6	1	3	SL	N	0	20	6	1	0	5
Tracey	12/6	1	3	SL	N	1	20	5	2	1	6
Tracey	12/6	1	3	SL	N	2	20	5	1	0	5
Teresa	12/10	1	7	SL	N	0	0	4	2	3	.
Teresa	12/10	1	7	SL	I	0	0	4	3	3	.
Teresa	12/10	1	7	SL	I	1	0	3	1	0	.
Teresa	12/10	1	7	SL	I	2	0	3	1	0	.
Teresa	12/10	1	7	SL	I	0	5	5	2	6	.
Teresa	12/10	1	7	SL	I	1	5	4	3	5	.
Teresa	12/10	1	7	SL	I	2	5	5	2	6	.
Teresa	12/10	1	7	SL	I	0	10	4	2	3	.
Teresa	12/10	1	7	SL	I	1	10	3	1	0	.
Teresa	12/10	1	7	SL	I	2	10	3	3	4	.
Teresa	12/10	1	7	SL	I	0	20	2	1	0	.
Teresa	12/10	1	7	SL	I	1	20	3	1	0	.
Teresa	12/10	1	7	SL	I	2	20	3	3	1	.
Teresa	12/10	1	7	SL	N	1	0	4	1	0	.
Teresa	12/10	1	7	SL	N	2	0	3	3	4	.
Teresa	12/10	1	7	SL	N	0	5	5	2	3	.
Teresa	12/10	1	7	SL	N	1	5	5	1	0	.
Teresa	12/10	1	7	SL	N	2	5	4	3	5	.
Teresa	12/10	1	7	SL	N	0	10	6	3	5	.
Teresa	12/10	1	7	SL	N	1	10	4	3	5	.
Teresa	12/10	1	7	SL	N	2	10	4	3	3	.
Teresa	12/10	1	7	SL	N	0	20	5	3	4	.
Teresa	12/10	1	7	SL	N	1	20	5	2	4	.
Teresa	12/10	1	7	SL	N	2	20	5	3	4	.
Tracey	12/10	1	7	SL	N	0	0	5	1	0	4
Tracey	12/10	1	7	SL	I	0	0	5	3	3	6
Tracey	12/10	1	7	SL	I	1	0	6	1	0	3
Tracey	12/10	1	7	SL	I	2	0	6	1	0	6
Tracey	12/10	1	7	SL	I	0	5	5	1	0	5
Tracey	12/10	1	7	SL	I	1	5	4	4	1	5
Tracey	12/10	1	7	SL	I	2	5	6	1	0	6
Tracey	12/10	1	7	SL	I	0	10	6	1	0	4
Tracey	12/10	1	7	SL	I	1	10	6	2	1	5
Tracey	12/10	1	7	SL	I	2	10	5	1	0	4

Tracey	12/10	1	7	SL	I	0	20	4	1	0	4
Tracey	12/10	1	7	SL	I	1	20	6	1	0	6
Tracey	12/10	1	7	SL	I	2	20	5	5	1	6
Tracey	12/10	1	7	SL	N	1	0	5	1	0	6
Tracey	12/10	1	7	SL	N	2	0	6	3	1	5
Tracey	12/10	1	7	SL	N	0	5	5	1	0	6
Tracey	12/10	1	7	SL	N	1	5	5	1	0	6
Tracey	12/10	1	7	SL	N	2	5	5	1	0	5
Tracey	12/10	1	7	SL	N	0	10	5	1	0	6
Tracey	12/10	1	7	SL	N	1	10	6	4	5	6
Tracey	12/10	1	7	SL	N	2	10	5	3	4	6
Tracey	12/10	1	7	SL	N	0	20	5	3	4	7
Tracey	12/10	1	7	SL	N	1	20	5	3	1	5
Tracey	12/10	1	7	SL	N	2	20	5	3	1	5
Blaine	12/10	1	7	SL	N	0	0	5	1	0	3
Blaine	12/10	1	7	SL	I	0	0	5	3	3	5
Blaine	12/10	1	7	SL	I	1	0	6	1	0	3
Blaine	12/10	1	7	SL	I	2	0	6	1	0	5
Blaine	12/10	1	7	SL	I	0	5	5	1	0	5
Blaine	12/10	1	7	SL	I	1	5	5	2	3	5
Blaine	12/10	1	7	SL	I	2	5	5	1	0	5
Blaine	12/10	1	7	SL	I	0	10	6	1	0	4
Blaine	12/10	1	7	SL	I	1	10	6	1	0	4
Blaine	12/10	1	7	SL	I	2	10	6	1	0	4
Blaine	12/10	1	7	SL	I	0	20	6	1	0	3
Blaine	12/10	1	7	SL	I	1	20	6	1	0	6
Blaine	12/10	1	7	SL	I	2	20	6	3	3	5
Blaine	12/10	1	7	SL	N	1	0	5	1	0	5
Blaine	12/10	1	7	SL	N	2	0	5	4	1	5
Blaine	12/10	1	7	SL	N	0	5	5	1	0	5
Blaine	12/10	1	7	SL	N	1	5	5	1	0	6
Blaine	12/10	1	7	SL	N	2	5	.	.	.	4
Blaine	12/10	1	7	SL	N	0	10	5	2	1	5
Blaine	12/10	1	7	SL	N	1	10	6	3	4	4
Blaine	12/10	1	7	SL	N	2	10	5	2	1	5
Blaine	12/10	1	7	SL	N	0	20	5	2	1	6
Blaine	12/10	1	7	SL	N	1	20	5	4	1	5
Blaine	12/10	1	7	SL	N	2	20	5	4	4	5
Teresa	12/10	1	7	TB	N	0	0	2	1	0	.
Teresa	12/10	1	7	TB	I	0	0	4	3	3	.
Teresa	12/10	1	7	TB	I	1	0	3	1	0	.
Teresa	12/10	1	7	TB	I	2	0	2	1	0	.
Teresa	12/10	1	7	TB	I	0	5	3	2	4	.

Teresa	12/10	1	7	TB	I	1	5	3	4	4.
Teresa	12/10	1	7	TB	I	2	5	1	2	1.
Teresa	12/10	1	7	TB	I	0	10	1	2	1.
Teresa	12/10	1	7	TB	I	1	10	2	1	0.
Teresa	12/10	1	7	TB	I	2	10	2	3	1.
Teresa	12/10	1	7	TB	I	0	20	2	5	1.
Teresa	12/10	1	7	TB	I	1	20	1	3	1.
Teresa	12/10	1	7	TB	I	2	20	4	4	3.
Teresa	12/10	1	7	TB	N	1	0	4	1	0.
Teresa	12/10	1	7	TB	N	2	0	3	3	2.
Teresa	12/10	1	7	TB	N	0	5	3	3	1.
Teresa	12/10	1	7	TB	N	1	5	3	3	1.
Teresa	12/10	1	7	TB	N	2	5	4	1	0.
Teresa	12/10	1	7	TB	N	0	10	4	3	3.
Teresa	12/10	1	7	TB	N	1	10	2	2	1.
Teresa	12/10	1	7	TB	N	2	10	2	3	1.
Teresa	12/10	1	7	TB	N	0	20	2	3	1.
Teresa	12/10	1	7	TB	N	1	20	1	3	1.
Teresa	12/10	1	7	TB	N	2	20	2	1	0.
Tracey	12/10	1	7	TB	N	0	0	3	1	0.
Tracey	12/10	1	7	TB	I	0	0	6	3	47
Tracey	12/10	1	7	TB	I	1	0	7	1	07
Tracey	12/10	1	7	TB	I	2	0	4	1	05
Tracey	12/10	1	7	TB	I	0	5	4	1	06
Tracey	12/10	1	7	TB	I	1	5	5	1	07
Tracey	12/10	1	7	TB	I	2	5	4	4	17
Tracey	12/10	1	7	TB	I	0	10	4	2	17
Tracey	12/10	1	7	TB	I	1	10	4	1	06
Tracey	12/10	1	7	TB	I	2	10	5	3	17
Tracey	12/10	1	7	TB	I	0	20	3	5	17
Tracey	12/10	1	7	TB	I	1	20	6	5	17
Tracey	12/10	1	7	TB	I	2	20	4	1	06
Tracey	12/10	1	7	TB	N	1	0	7	1	07
Tracey	12/10	1	7	TB	N	2	0	6	3	46
Tracey	12/10	1	7	TB	N	0	5	4	4	17
Tracey	12/10	1	7	TB	N	1	5	5	3	17
Tracey	12/10	1	7	TB	N	2	5	5	1	04
Tracey	12/10	1	7	TB	N	0	10	5	5	16
Tracey	12/10	1	7	TB	N	1	10	5	2	16
Tracey	12/10	1	7	TB	N	2	10	4	5	15
Tracey	12/10	1	7	TB	N	0	20	5	3	17
Tracey	12/10	1	7	TB	N	1	20	3	2	15
Tracey	12/10	1	7	TB	N	2	20	4	1	07

Blaine	12/10	1	7	TB	N	0	0	4	1	0	6
Blaine	12/10	1	7	TB	I	0	0	6	3	4	7
Blaine	12/10	1	7	TB	I	1	0	7	1	0	3
Blaine	12/10	1	7	TB	I	2	0	6	2	1	5
Blaine	12/10	1	7	TB	I	0	5	4	1	0	7
Blaine	12/10	1	7	TB	I	1	5	5	3	1	6
Blaine	12/10	1	7	TB	I	2	5	4	2	1	6
Blaine	12/10	1	7	TB	I	0	10	4	4	1	6
Blaine	12/10	1	7	TB	I	1	10	5	1	0	7
Blaine	12/10	1	7	TB	I	2	10	4	2	5	7
Blaine	12/10	1	7	TB	I	0	20	6	5	1	6
Blaine	12/10	1	7	TB	I	1	20	6	3	1	4
Blaine	12/10	1	7	TB	I	2	20	4	1	0	7
Blaine	12/10	1	7	TB	N	1	0	7	1	0	5
Blaine	12/10	1	7	TB	N	2	0	5	3	4	7
Blaine	12/10	1	7	TB	N	0	5	5	3	1	6
Blaine	12/10	1	7	TB	N	1	5	4	2	1	3
Blaine	12/10	1	7	TB	N	2	5	4	3	1	6
Blaine	12/10	1	7	TB	N	0	10	5	5	1	5
Blaine	12/10	1	7	TB	N	1	10	6	1	0	4
Blaine	12/10	1	7	TB	N	2	10	.	.	.	6
Blaine	12/10	1	7	TB	N	0	20	5	3	1	3
Blaine	12/10	1	7	TB	N	1	20	4	1	0	6
Blaine	12/10	1	7	TB	N	2	20	4	1	0	5
Tracey	12/13	1	10	TB	N	0	0	4	2	1	7
Tracey	12/13	1	10	TB	I	0	0	5	1	0	6
Tracey	12/13	1	10	TB	I	1	0	7	1	0	5
Tracey	12/13	1	10	TB	I	2	0	4	1	0	7
Tracey	12/13	1	10	TB	I	0	5	5	3	1	6
Tracey	12/13	1	10	TB	I	1	5	5	2	1	6
Tracey	12/13	1	10	TB	I	2	5	3	1	0	7
Tracey	12/13	1	10	TB	I	0	10	3	1	0	3
Tracey	12/13	1	10	TB	I	1	10	4	1	0	7
Tracey	12/13	1	10	TB	I	2	10	4	3	1	3
Tracey	12/13	1	10	TB	I	0	20	3	3	1	6
Tracey	12/13	1	10	TB	I	1	20	4	1	0	5
Tracey	12/13	1	10	TB	I	2	20	6	2	1	3
Tracey	12/13	1	10	TB	N	1	0	7	1	0	2
Tracey	12/13	1	10	TB	N	2	0	6	2	1	6
Tracey	12/13	1	10	TB	N	0	5	5	2	1	7
Tracey	12/13	1	10	TB	N	1	5	5	2	1	5
Tracey	12/13	1	10	TB	N	2	5	6	5	1	5
Tracey	12/13	1	10	TB	N	0	10	3	3	1	6

Tracey	12/13	1	10	TB	N	1	10	4	4	16
Tracey	12/13	1	10	TB	N	2	10	4	3	14
Tracey	12/13	1	10	TB	N	0	20	5	2	14
Tracey	12/13	1	10	TB	N	1	20	2	3	17
Tracey	12/13	1	10	TB	N	2	20	2	4	17
Teresa	12/17	1	14	TB	N	0	0	3	7	17
Teresa	12/17	1	14	TB	I	0	0	5	2	1.
Teresa	12/17	1	14	TB	I	1	0	4	1	07
Teresa	12/17	1	14	TB	I	2	0	4	7	17
Teresa	12/17	1	14	TB	I	0	5	5	4	17
Teresa	12/17	1	14	TB	I	1	5	5	1	05
Teresa	12/17	1	14	TB	I	2	5	4	7	17
Teresa	12/17	1	14	TB	I	0	10	4	3	17
Teresa	12/17	1	14	TB	I	1	10	4	5	17
Teresa	12/17	1	14	TB	I	2	10	4	6	16
Teresa	12/17	1	14	TB	I	0	20	4	6	17
Teresa	12/17	1	14	TB	I	1	20	4	7	17
Teresa	12/17	1	14	TB	I	2	20	4	2	1.
Teresa	12/17	1	14	TB	N	1	0	4	1	04
Teresa	12/17	1	14	TB	N	2	0	4	1	07
Teresa	12/17	1	14	TB	N	0	5	4	7	16
Teresa	12/17	1	14	TB	N	1	5	5	7	16
Teresa	12/17	1	14	TB	N	2	5	4	7	17
Teresa	12/17	1	14	TB	N	0	10	3	5	17
Teresa	12/17	1	14	TB	N	1	10	4	7	16
Teresa	12/17	1	14	TB	N	2	10	4	7	17
Teresa	12/17	1	14	TB	N	0	20	5	3	14
Teresa	12/17	1	14	TB	N	1	20	3	7	17
Teresa	12/17	1	14	TB	N	2	20	4	6	16
Blaine	12/13	1	10	TB	N	0	0	4	2	16
Blaine	12/13	1	10	TB	I	0	0	6	2	56
Blaine	12/13	1	10	TB	I	1	0	6	1	05
Blaine	12/13	1	10	TB	I	2	0	4	4	16
Blaine	12/13	1	10	TB	I	0	5	5	5	15
Blaine	12/13	1	10	TB	I	1	5	6	1	06
Blaine	12/13	1	10	TB	I	2	5	4	1	06
Blaine	12/13	1	10	TB	I	0	10	6	1	02
Blaine	12/13	1	10	TB	I	1	10	.	.	.5
Blaine	12/13	1	10	TB	I	2	10	5	4	14
Blaine	12/13	1	10	TB	I	0	20	4	4	16
Blaine	12/13	1	10	TB	I	1	20	4	1	03
Blaine	12/13	1	10	TB	I	2	20	6	1	04
Blaine	12/13	1	10	TB	N	1	0	6	1	02

Blaine	12/13	1	10	TB	N	2	0	5	6	6	6
Blaine	12/13	1	10	TB	N	0	5	5	1	0	6
Blaine	12/13	1	10	TB	N	1	5	5	3	1	3
Blaine	12/13	1	10	TB	N	2	5	5	4	1	5
Blaine	12/13	1	10	TB	N	0	10	4	4	1	6
Blaine	12/13	1	10	TB	N	1	10	5	5	1	4
Blaine	12/13	1	10	TB	N	2	10	5	4	1	4
Blaine	12/13	1	10	TB	N	0	20	5	2	6	4
Blaine	12/13	1	10	TB	N	1	20	3	3	1	6
Blaine	12/13	1	10	TB	N	2	20	4	1	0	6
Tracey	12/13	1	10	SL	N	0	0	5	6	1	6
Tracey	12/13	1	10	SL	I	0	0	6	5	1	5
Tracey	12/13	1	10	SL	I	1	0	5	3	3	7
Tracey	12/13	1	10	SL	I	2	0	4	1	0	4
Tracey	12/13	1	10	SL	I	0	5	4	4	5	4
Tracey	12/13	1	10	SL	I	1	5	.	.	.	7
Tracey	12/13	1	10	SL	I	2	5	5	1	0	6
Tracey	12/13	1	10	SL	I	0	10	4	1	0	5
Tracey	12/13	1	10	SL	I	1	10	3	3	5	5
Tracey	12/13	1	10	SL	I	2	10	4	1	0	4
Tracey	12/13	1	10	SL	I	0	20	7	1	0	2
Tracey	12/13	1	10	SL	I	1	20	6	1	0	4
Tracey	12/13	1	10	SL	I	2	20	3	2	1	4
Tracey	12/13	1	10	SL	N	1	0	5	1	0	5
Tracey	12/13	1	10	SL	N	2	0	4	3	1	3
Tracey	12/13	1	10	SL	N	0	5	5	2	1	5
Tracey	12/13	1	10	SL	N	1	5	5	1	0	6
Tracey	12/13	1	10	SL	N	2	5	5	3	6	6
Tracey	12/13	1	10	SL	N	0	10	5	4	1	6
Tracey	12/13	1	10	SL	N	1	10	6	2	5	7
Tracey	12/13	1	10	SL	N	2	10	6	1	0	5
Tracey	12/13	1	10	SL	N	0	20	5	1	0	7
Tracey	12/13	1	10	SL	N	1	20	5	1	0	6
Tracey	12/13	1	10	SL	N	2	20	5	2	1	5
Blaine	12/13	1	10	SL	N	0	0	5	1	0	6
Blaine	12/13	1	10	SL	I	0	0	6	3	5	4
Blaine	12/13	1	10	SL	I	1	0	5	3	6	6
Blaine	12/13	1	10	SL	I	2	0	4	1	0	3
Blaine	12/13	1	10	SL	I	0	5	5	1	0	4
Blaine	12/13	1	10	SL	I	1	5	6	2	1	6
Blaine	12/13	1	10	SL	I	2	5	5	1	0	6
Blaine	12/13	1	10	SL	I	0	10	4	1	0	4
Blaine	12/13	1	10	SL	I	1	10	4	2	5	4

Blaine	12/13	1	10	SL	I	2	10	6	1	0	4
Blaine	12/13	1	10	SL	I	0	20	4	1	0	3
Blaine	12/13	1	10	SL	I	1	20	6	1	0	5
Blaine	12/13	1	10	SL	I	2	20	4	1	0	4
Blaine	12/13	1	10	SL	N	1	0	5	1	0	4
Blaine	12/13	1	10	SL	N	2	0	6	1	0	3
Blaine	12/13	1	10	SL	N	0	5	5	2	1	4
Blaine	12/13	1	10	SL	N	1	5	5	1	0	6
Blaine	12/13	1	10	SL	N	2	5	5	1	0	5
Blaine	12/13	1	10	SL	N	0	10	5	1	0	5
Blaine	12/13	1	10	SL	N	1	10	5	1	0	6
Blaine	12/13	1	10	SL	N	2	10	6	1	0	4
Blaine	12/13	1	10	SL	N	0	20	5	1	0	6
Blaine	12/13	1	10	SL	N	1	20	5	2	1	5
Blaine	12/13	1	10	SL	N	2	20	5	2	1	.
Teresa	12/13	1	10	SL	N	0	0	6	6	1	6
Teresa	12/13	1	10	SL	I	0	0	4	3	1	7
Teresa	12/13	1	10	SL	I	1	0	4	3	5	7
Teresa	12/13	1	10	SL	I	2	0	4	3	3	6
Teresa	12/13	1	10	SL	I	0	5	6	3	5	6
Teresa	12/13	1	10	SL	I	1	5	4	2	7	6
Teresa	12/13	1	10	SL	I	2	5	5	2	4	6
Teresa	12/13	1	10	SL	I	0	10	5	1	0	7
Teresa	12/13	1	10	SL	I	1	10	4	3	5	7
Teresa	12/13	1	10	SL	I	2	10	5	1	0	5
Teresa	12/13	1	10	SL	I	0	20	4	2	1	4
Teresa	12/13	1	10	SL	I	1	20	6	2	5	6
Teresa	12/13	1	10	SL	I	2	20	5	2	6	7
Teresa	12/13	1	10	SL	N	1	0	6	1	0	6
Teresa	12/13	1	10	SL	N	2	0	4	7	1	4
Teresa	12/13	1	10	SL	N	0	5	4	3	5	5
Teresa	12/13	1	10	SL	N	1	5	6	1	0	6
Teresa	12/13	1	10	SL	N	2	5	6	3	5	6
Teresa	12/13	1	10	SL	N	0	10	6	3	5	6
Teresa	12/13	1	10	SL	N	1	10	5	3	1	7
Teresa	12/13	1	10	SL	N	2	10	5	7	1	5
Teresa	12/13	1	10	SL	N	0	20	6	1	0	7
Teresa	12/13	1	10	SL	N	1	20	6	1	0	6
Teresa	12/13	1	10	SL	N	2	20	7	3	6	6
Tracey	12/17	1	14	SL	N	0	0	5	1	0	3
Tracey	12/17	1	14	SL	I	0	0	4	2	1	3
Tracey	12/17	1	14	SL	I	1	0	4	3	6	3
Tracey	12/17	1	14	SL	I	2	0	4	1	0	4

Tracey	12/17	1	14	SL	I	0	5	5	2	1	6
Tracey	12/17	1	14	SL	I	1	5	6	4	1	6
Tracey	12/17	1	14	SL	I	2	5	6	1	0	5
Tracey	12/17	1	14	SL	I	0	10	4	2	1	3
Tracey	12/17	1	14	SL	I	1	10	4	2	1	4
Tracey	12/17	1	14	SL	I	2	10	6	4	1	6
Tracey	12/17	1	14	SL	I	0	20	3	3	5	3
Tracey	12/17	1	14	SL	I	1	20	6	1	0	2
Tracey	12/17	1	14	SL	I	2	20	3	2	1	3
Tracey	12/17	1	14	SL	N	1	0	6	2	1	4
Tracey	12/17	1	14	SL	N	2	0	4	6	1	3
Tracey	12/17	1	14	SL	N	0	5	5	6	1	5
Tracey	12/17	1	14	SL	N	1	5	5	3	1	5
Tracey	12/17	1	14	SL	N	2	5	5	3	1	4
Tracey	12/17	1	14	SL	N	0	10	5	3	1	6
Tracey	12/17	1	14	SL	N	1	10	6	2	1	3
Tracey	12/17	1	14	SL	N	2	10	6	2	1	3
Tracey	12/17	1	14	SL	N	0	20	6	1	0	3
Tracey	12/17	1	14	SL	N	1	20	5	2	1	6
Tracey	12/17	1	14	SL	N	2	20	5	5	1	4
Teresa	12/17	1	14	SL	N	0	0	5	2	1	5
Teresa	12/17	1	14	SL	I	0	0	4	2	6	5
Teresa	12/17	1	14	SL	I	1	0	3	2	4	6
Teresa	12/17	1	14	SL	I	2	0	3	1	0	5
Teresa	12/17	1	14	SL	I	0	5	5	3	6	6
Teresa	12/17	1	14	SL	I	1	5	4	4	1	7
Teresa	12/17	1	14	SL	I	2	5	4	1	0	7
Teresa	12/17	1	14	SL	I	0	10	4	3	3	7
Teresa	12/17	1	14	SL	I	1	10	4	3	1	5
Teresa	12/17	1	14	SL	I	2	10	6	4	5	7
Teresa	12/17	1	14	SL	I	0	20	4	3	3	4
Teresa	12/17	1	14	SL	I	1	20	5	3	6	3
Teresa	12/17	1	14	SL	I	2	20	4	3	1	7
Teresa	12/17	1	14	SL	N	1	0	6	2	1	6
Teresa	12/17	1	14	SL	N	2	0	4	3	1	4
Teresa	12/17	1	14	SL	N	0	5	6	2	1	7
Teresa	12/17	1	14	SL	N	1	5	6	2	1	6
Teresa	12/17	1	14	SL	N	2	5	6	1	0	5
Teresa	12/17	1	14	SL	N	0	10	6	3	5	7
Teresa	12/17	1	14	SL	N	1	10	4	1	0	5
Teresa	12/17	1	14	SL	N	2	10	5	1	0	4
Teresa	12/17	1	14	SL	N	0	20	5	1	0	5
Teresa	12/17	1	14	SL	N	1	20	6	3	5	7

Teresa	12/17	1	14	SL	N	2	20	5	4	1	5
Blaine	12/17	1	14	SL	N	0	0	5	2	1	2
Blaine	12/17	1	14	SL	I	0	0	6	2	5	3
Blaine	12/17	1	14	SL	I	1	0	4	1	0	4
Blaine	12/17	1	14	SL	I	2	0	4	1	0	4
Blaine	12/17	1	14	SL	I	0	5	5	2	1	6
Blaine	12/17	1	14	SL	I	1	5	6	3	1	5
Blaine	12/17	1	14	SL	I	2	5	5	1	0	4
Blaine	12/17	1	14	SL	I	0	10	5	2	1	3
Blaine	12/17	1	14	SL	I	1	10	6	2	1	6
Blaine	12/17	1	14	SL	I	2	10	5	3	1	4
Blaine	12/17	1	14	SL	I	0	20	4	1	0	2
Blaine	12/17	1	14	SL	I	1	20	5	1	0	5
Blaine	12/17	1	14	SL	I	2	20	4	3	1	3
Blaine	12/17	1	14	SL	N	1	0	5	1	0	3
Blaine	12/17	1	14	SL	N	2	0	4	3	1	4
Blaine	12/17	1	14	SL	N	0	5	5	2	1	5
Blaine	12/17	1	14	SL	N	1	5	5	3	1	4
Blaine	12/17	1	14	SL	N	2	5	5	1	0	4
Blaine	12/17	1	14	SL	N	0	10	5	3	1	6
Blaine	12/17	1	14	SL	N	1	10	6	1	0	4
Blaine	12/17	1	14	SL	N	2	10	6	1	0	3
Blaine	12/17	1	14	SL	N	0	20	5	1	0	4
Blaine	12/17	1	14	SL	N	1	20	5	2	1	6
Blaine	12/17	1	14	SL	N	2	20	5	2	1	4
Blaine	12/17	1	14	TB	N	0	0	4	1	0	6
Blaine	12/17	1	14	TB	I	0	0	.	.	.	.
Blaine	12/17	1	14	TB	I	1	0	6	1	0	6
Blaine	12/17	1	14	TB	I	2	0	6	4	1	5
Blaine	12/17	1	14	TB	I	0	5	1	7	1	6
Blaine	12/17	1	14	TB	I	1	5	4	5	1	4
Blaine	12/17	1	14	TB	I	2	5	4	2	6	6
Blaine	12/17	1	14	TB	I	0	10	6	5	1	6
Blaine	12/17	1	14	TB	I	1	10	5	3	1	6
Blaine	12/17	1	14	TB	I	2	10	1	7	1	6
Blaine	12/17	1	14	TB	I	0	20	6	4	1	6
Blaine	12/17	1	14	TB	I	1	20	1	7	1	6
Blaine	12/17	1	14	TB	I	2	20	.	.	.	.
Blaine	12/17	1	14	TB	N	1	0	7	1	0	5
Blaine	12/17	1	14	TB	N	2	0	6	2	1	6
Blaine	12/17	1	14	TB	N	0	5	1	7	1	6
Blaine	12/17	1	14	TB	N	1	5	5	3	1	6
Blaine	12/17	1	14	TB	N	2	5	5	2	1	6

Blaine	12/17	1	14	TB	N	0	10	5	3	16
Blaine	12/17	1	14	TB	N	1	10	1	7	16
Blaine	12/17	1	14	TB	N	2	10	1	7	16
Blaine	12/17	1	14	TB	N	0	20	4	4	13
Blaine	12/17	1	14	TB	N	1	20	1	7	16
Blaine	12/17	1	14	TB	N	2	20	1	7	16
Tracey	12/17	1	14	TB	N	0	0	4	5	17
Tracey	12/17	1	14	TB	I	0	0	.	.	..
Tracey	12/17	1	14	TB	I	1	0	7	1	06
Tracey	12/17	1	14	TB	I	2	0	5	4	15
Tracey	12/17	1	14	TB	I	0	5	5	6	16
Tracey	12/17	1	14	TB	I	1	5	6	6	15
Tracey	12/17	1	14	TB	I	2	5	6	6	46
Tracey	12/17	1	14	TB	I	0	10	4	4	16
Tracey	12/17	1	14	TB	I	1	10	5	5	17
Tracey	12/17	1	14	TB	I	2	10	4	7	16
Tracey	12/17	1	14	TB	I	0	20	4	5	16
Tracey	12/17	1	14	TB	I	1	20	4	6	16
Tracey	12/17	1	14	TB	I	2	20	.	.	..
Tracey	12/17	1	14	TB	N	1	0	7	4	54
Tracey	12/17	1	14	TB	N	2	0	5	2	16
Tracey	12/17	1	14	TB	N	0	5	4	7	16
Tracey	12/17	1	14	TB	N	1	5	5	5	17
Tracey	12/17	1	14	TB	N	2	5	5	5	16
Tracey	12/17	1	14	TB	N	0	10	5	6	16
Tracey	12/17	1	14	TB	N	1	10	2	7	16
Tracey	12/17	1	14	TB	N	2	10	5	7	17
Tracey	12/17	1	14	TB	N	0	20	2	3	14
Tracey	12/17	1	14	TB	N	1	20	5	7	17
Tracey	12/17	1	14	TB	N	2	20	4	7	16
Blaine	12/6	2	1	TB	N	0	0	4	1	0
Blaine	12/6	2	1	TB	I	0	0	2	1	0
Blaine	12/6	2	1	TB	I	1	0	.	.	.
Blaine	12/6	2	1	TB	I	2	0	3	1	0
Blaine	12/6	2	1	TB	I	0	5	2	2	1
Blaine	12/6	2	1	TB	I	1	5	3	3	1
Blaine	12/6	2	1	TB	I	2	5	3	1	0
Blaine	12/6	2	1	TB	I	0	10	.	.	.
Blaine	12/6	2	1	TB	I	1	10	5	2	4
Blaine	12/6	2	1	TB	I	2	10	3	3	1
Blaine	12/6	2	1	TB	I	0	20	5	1	0
Blaine	12/6	2	1	TB	I	1	20	3	1	0
Blaine	12/6	2	1	TB	I	2	20	3	2	1

Blaine	12/6	2	1	TB	N	1	0	4	3	1
Blaine	12/6	2	1	TB	N	2	0	5	2	1
Blaine	12/6	2	1	TB	N	0	5	2	2	1
Blaine	12/6	2	1	TB	N	1	5	3	2	2
Blaine	12/6	2	1	TB	N	2	5	4	2	1
Blaine	12/6	2	1	TB	N	0	10	3	1	0
Blaine	12/6	2	1	TB	N	1	10	3	1	0
Blaine	12/6	2	1	TB	N	2	10	3	2	1
Blaine	12/6	2	1	TB	N	0	20	4	1	0
Blaine	12/6	2	1	TB	N	1	20	5	1	0
Blaine	12/6	2	1	TB	N	2	20	2	2	1
Tracey	12/6	2	1	TB	N	0	0	.	.	.
Tracey	12/6	2	1	TB	I	0	0	2	2	1
Tracey	12/6	2	1	TB	I	1	0	.	.	.
Tracey	12/6	2	1	TB	I	2	0	4	1	0
Tracey	12/6	2	1	TB	I	0	5	3	5	1
Tracey	12/6	2	1	TB	I	1	5	4	3	1
Tracey	12/6	2	1	TB	I	2	5	4	1	0
Tracey	12/6	2	1	TB	I	0	10	6	5	1
Tracey	12/6	2	1	TB	I	1	10	.	.	.
Tracey	12/6	2	1	TB	I	2	10	3	6	1
Tracey	12/6	2	1	TB	I	0	20	7	1	0
Tracey	12/6	2	1	TB	I	1	20	3	1	0
Tracey	12/6	2	1	TB	I	2	20	4	3	1
Tracey	12/6	2	1	TB	N	1	0	4	3	1
Tracey	12/6	2	1	TB	N	2	0	6	2	1
Tracey	12/6	2	1	TB	N	0	5	2	4	1
Tracey	12/6	2	1	TB	N	1	5	4	3	3
Tracey	12/6	2	1	TB	N	2	5	5	2	1
Tracey	12/6	2	1	TB	N	0	10	3	1	0
Tracey	12/6	2	1	TB	N	1	10	4	2	1
Tracey	12/6	2	1	TB	N	2	10	5	2	3
Tracey	12/6	2	1	TB	N	0	20	6	3	4
Tracey	12/6	2	1	TB	N	1	20	5	1	0
Tracey	12/6	2	1	TB	N	2	20	4	2	1
Teresa	12/6	2	1	TB	N	0	0	2	1	0 5
Teresa	12/6	2	1	TB	I	0	0	2	1	0 4
Teresa	12/6	2	1	TB	I	1	0	.	.	. .
Teresa	12/6	2	1	TB	I	2	0	3	2	1 7
Teresa	12/6	2	1	TB	I	0	5	3	3	1 5
Teresa	12/6	2	1	TB	I	1	5	2	3	3 .
Teresa	12/6	2	1	TB	I	2	5	3	1	0 5
Teresa	12/6	2	1	TB	I	0	10	3	3	4 5

Teresa	12/6	2	1	TB	I	1	10	3	3	4	.
Teresa	12/6	2	1	TB	I	2	10	2	3	3	6
Teresa	12/6	2	1	TB	I	0	20	4	1	0	7
Teresa	12/6	2	1	TB	I	1	20	2	1	0	4
Teresa	12/6	2	1	TB	I	2	20	2	3	1	7
Teresa	12/6	2	1	TB	N	1	0	3	3	1	5
Teresa	12/6	2	1	TB	N	2	0	4	2	1	6
Teresa	12/6	2	1	TB	N	0	5	1	3	1	5
Teresa	12/6	2	1	TB	N	1	5	3	1	0	5
Teresa	12/6	2	1	TB	N	2	5	3	2	1	5
Teresa	12/6	2	1	TB	N	0	10	2	1	0	5
Teresa	12/6	2	1	TB	N	1	10	2	1	0	4
Teresa	12/6	2	1	TB	N	2	10	3	1	0	5
Teresa	12/6	2	1	TB	N	0	20	2	3	1	7
Teresa	12/6	2	1	TB	N	1	20	4	1	0	5
Teresa	12/6	2	1	TB	N	2	20	3	1	0	4
Tracey	12/6	2	1	SL	N	0	0	5	3	1	
Tracey	12/6	2	1	SL	I	0	0	.	.	.	
Tracey	12/6	2	1	SL	I	1	0	.	.	.	
Tracey	12/6	2	1	SL	I	2	0	.	.	.	
Tracey	12/6	2	1	SL	I	0	5	.	.	.	
Tracey	12/6	2	1	SL	I	1	5	7	1	0	
Tracey	12/6	2	1	SL	I	2	5	5	3	4	
Tracey	12/6	2	1	SL	I	0	10	5	3	4	
Tracey	12/6	2	1	SL	I	1	10	5	3	6	
Tracey	12/6	2	1	SL	I	2	10	5	2	4	
Tracey	12/6	2	1	SL	I	0	20	4	2	5	
Tracey	12/6	2	1	SL	I	1	20	4	3	5	
Tracey	12/6	2	1	SL	I	2	20	5	3	4	
Tracey	12/6	2	1	SL	N	1	0	6	1	0	
Tracey	12/6	2	1	SL	N	2	0	.	.	.	
Tracey	12/6	2	1	SL	N	0	5	7	1	0	
Tracey	12/6	2	1	SL	N	1	5	4	1	0	
Tracey	12/6	2	1	SL	N	2	5	6	3	7	
Tracey	12/6	2	1	SL	N	0	10	5	1	0	
Tracey	12/6	2	1	SL	N	1	10	5	1	0	
Tracey	12/6	2	1	SL	N	2	10	5	1	0	
Tracey	12/6	2	1	SL	N	0	20	5	2	4	
Tracey	12/6	2	1	SL	N	1	20	.	.	.	
Tracey	12/6	2	1	SL	N	2	20	5	1	0	
Blaine	12/6	2	1	SL	N	0	0	5	1	0	.
Blaine	12/6	2	1	SL	I	0	0	.	.	.	.
Blaine	12/6	2	1	SL	I	1	0	.	.	.	.

Blaine	12/6	2	1	SL	I	2	0	.	.	.	.
Blaine	12/6	2	1	SL	I	0	5	.	.	.	.
Blaine	12/6	2	1	SL	I	1	5	6	1	0	5
Blaine	12/6	2	1	SL	I	2	5	6	2	5	5
Blaine	12/6	2	1	SL	I	0	10	6	1	0	5
Blaine	12/6	2	1	SL	I	1	10	6	1	0	6
Blaine	12/6	2	1	SL	I	2	10	6	1	0	7
Blaine	12/6	2	1	SL	I	0	20	6	2	5	3
Blaine	12/6	2	1	SL	I	1	20	6	1	0	4
Blaine	12/6	2	1	SL	I	2	20	6	1	0	2
Blaine	12/6	2	1	SL	N	1	0	6	1	0	3
Blaine	12/6	2	1	SL	N	2	0	.	.	.	.
Blaine	12/6	2	1	SL	N	0	5	6	1	0	2
Blaine	12/6	2	1	SL	N	1	5	6	1	0	2
Blaine	12/6	2	1	SL	N	2	5	6	1	0	4
Blaine	12/6	2	1	SL	N	0	10	6	2	5	3
Blaine	12/6	2	1	SL	N	1	10	5	1	0	5
Blaine	12/6	2	1	SL	N	2	10	5	1	0	4
Blaine	12/6	2	1	SL	N	0	20	6	2	5	3
Blaine	12/6	2	1	SL	N	1	20	.	.	.	.
Blaine	12/6	2	1	SL	N	2	20	5	1	0	3
Teresa	12/6	2	1	SL	N	0	0	5	3	7	7
Teresa	12/6	2	1	SL	I	0	0	.	.	.	.
Teresa	12/6	2	1	SL	I	1	0	.	.	.	.
Teresa	12/6	2	1	SL	I	2	0	.	.	.	.
Teresa	12/6	2	1	SL	I	0	5	.	.	.	.
Teresa	12/6	2	1	SL	I	1	5	3	1	0	5
Teresa	12/6	2	1	SL	I	2	5	5	3	4	4
Teresa	12/6	2	1	SL	I	0	10	5	3	6	6
Teresa	12/6	2	1	SL	I	1	10	4	2	1	7
Teresa	12/6	2	1	SL	I	2	10	4	1	0	7
Teresa	12/6	2	1	SL	I	0	20	3	3	5	3
Teresa	12/6	2	1	SL	I	1	20	5	1	0	5
Teresa	12/6	2	1	SL	I	2	20	4	1	0	4
Teresa	12/6	2	1	SL	N	1	0	4	1	0	4
Teresa	12/6	2	1	SL	N	2	0	.	.	.	.
Teresa	12/6	2	1	SL	N	0	5	3	1	0	3
Teresa	12/6	2	1	SL	N	1	5	4	3	5	3
Teresa	12/6	2	1	SL	N	2	5	5	3	4	5
Teresa	12/6	2	1	SL	N	0	10	5	3	6	4
Teresa	12/6	2	1	SL	N	1	10	5	4	6	7
Teresa	12/6	2	1	SL	N	2	10	5	3	4	5
Teresa	12/6	2	1	SL	N	0	20	5	3	6	4

Teresa	12/6	2	1	SL	N	1	20	.	.	. .
Teresa	12/6	2	1	SL	N	2	20	6	4	5 4
Blaine	12/8	2	3	SL	N	0	0	5	3	6 4
Blaine	12/8	2	3	SL	I	0	0	6	3	5 3
Blaine	12/8	2	3	SL	I	1	0	5	2	6 6
Blaine	12/8	2	3	SL	I	2	0	.	.	. .
Blaine	12/8	2	3	SL	I	0	5	.	.	. .
Blaine	12/8	2	3	SL	I	1	5	6	1	0 6
Blaine	12/8	2	3	SL	I	2	5	6	1	0 6
Blaine	12/8	2	3	SL	I	0	10	6	1	0 5
Blaine	12/8	2	3	SL	I	1	10	5	4	6 5
Blaine	12/8	2	3	SL	I	2	10	7	1	0 4
Blaine	12/8	2	3	SL	I	0	20	6	1	0 6
Blaine	12/8	2	3	SL	I	1	20	5	1	0 4
Blaine	12/8	2	3	SL	I	2	20	6	1	0 7
Blaine	12/8	2	3	SL	N	1	0	5	2	1 5
Blaine	12/8	2	3	SL	N	2	0	6	1	0 5
Blaine	12/8	2	3	SL	N	0	5	6	1	0 4
Blaine	12/8	2	3	SL	N	1	5	6	1	0 4
Blaine	12/8	2	3	SL	N	2	5	5	2	6 6
Blaine	12/8	2	3	SL	N	0	10	5	1	0 6
Blaine	12/8	2	3	SL	N	1	10	5	1	0 6
Blaine	12/8	2	3	SL	N	2	10	6	1	0 6
Blaine	12/8	2	3	SL	N	0	20	5	2	6 6
Blaine	12/8	2	3	SL	N	1	20	.	.	. 5
Blaine	12/8	2	3	SL	N	2	20	5	1	0 6
Tracey	12/8	2	3	SL	N	0	0	6	3	5
Tracey	12/8	2	3	SL	I	0	0	7	1	0 4
Tracey	12/8	2	3	SL	I	1	0	5	3	1 2
Tracey	12/8	2	3	SL	I	2	0	.	.	. 6
Tracey	12/8	2	3	SL	I	0	5	.	.	. .
Tracey	12/8	2	3	SL	I	1	5	6	1	0 .
Tracey	12/8	2	3	SL	I	2	5	6	1	0 7
Tracey	12/8	2	3	SL	I	0	10	5	2	6 6
Tracey	12/8	2	3	SL	I	1	10	6	4	5 5
Tracey	12/8	2	3	SL	I	2	10	6	1	0 5
Tracey	12/8	2	3	SL	I	0	20	7	1	0 7
Tracey	12/8	2	3	SL	I	1	20	5	1	0 6
Tracey	12/8	2	3	SL	I	2	20	7	1	0 3
Tracey	12/8	2	3	SL	N	1	0	5	2	1 7
Tracey	12/8	2	3	SL	N	2	0	6	1	0 5
Tracey	12/8	2	3	SL	N	0	5	6	1	0 2
Tracey	12/8	2	3	SL	N	1	5	6	3	5 4

Tracey	12/8	2	3	SL	N	2	5	5	1	05
Tracey	12/8	2	3	SL	N	0	10	5	1	06
Tracey	12/8	2	3	SL	N	1	10	5	1	07
Tracey	12/8	2	3	SL	N	2	10	5	1	07
Tracey	12/8	2	3	SL	N	0	20	5	1	06
Tracey	12/8	2	3	SL	N	1	20	5	1	06
Tracey	12/8	2	3	SL	N	2	20	5	1	05
Blaine	12/8	2	3	TB	N	0	0	6	1	05
Blaine	12/8	2	3	TB	I	0	0	6	3	16
Blaine	12/8	2	3	TB	I	1	0	6	2	16
Blaine	12/8	2	3	TB	I	2	0	6	3	16
Blaine	12/8	2	3	TB	I	0	5	6	4	16
Blaine	12/8	2	3	TB	I	1	5	6	1	06
Blaine	12/8	2	3	TB	I	2	5	6	1	0.
Blaine	12/8	2	3	TB	I	0	10	5	5	16
Blaine	12/8	2	3	TB	I	1	10	6	3	1.
Blaine	12/8	2	3	TB	I	2	10	5	5	1.
Blaine	12/8	2	3	TB	I	0	20	5	1	05
Blaine	12/8	2	3	TB	I	1	20	6	1	06
Blaine	12/8	2	3	TB	I	2	20	6	3	17
Blaine	12/8	2	3	TB	N	1	0	6	3	16
Blaine	12/8	2	3	TB	N	2	0	6	1	02
Blaine	12/8	2	3	TB	N	0	5	6	1	07
Blaine	12/8	2	3	TB	N	1	5	5	1	06
Blaine	12/8	2	3	TB	N	2	5	6	1	05
Blaine	12/8	2	3	TB	N	0	10	6	1	03
Blaine	12/8	2	3	TB	N	1	10	5	1	06
Blaine	12/8	2	3	TB	N	2	10	6	4	16
Blaine	12/8	2	3	TB	N	0	20	6	1	07
Blaine	12/8	2	3	TB	N	1	20	5	4	16
Blaine	12/8	2	3	TB	N	2	20	6	2	16
Tracey	12/8	2	3	TB	N	0	0	4	1	0
Tracey	12/8	2	3	TB	I	0	0	4	2	3
Tracey	12/8	2	3	TB	I	1	0	4	2	1
Tracey	12/8	2	3	TB	I	2	0	5	1	0
Tracey	12/8	2	3	TB	I	0	5	4	3	1
Tracey	12/8	2	3	TB	I	1	5	6	3	5
Tracey	12/8	2	3	TB	I	2	5	4	1	0
Tracey	12/8	2	3	TB	I	0	10	5	4	1
Tracey	12/8	2	3	TB	I	1	10	4	3	1
Tracey	12/8	2	3	TB	I	2	10	5	6	1
Tracey	12/8	2	3	TB	I	0	20	5	1	0
Tracey	12/8	2	3	TB	I	1	20	5	1	0

Tracey	12/8	2	3	TB	I	2	20	5	3	1
Tracey	12/8	2	3	TB	N	1	0	5	3	1
Tracey	12/8	2	3	TB	N	2	0	6	1	0
Tracey	12/8	2	3	TB	N	0	5	4	2	1
Tracey	12/8	2	3	TB	N	1	5	5	3	1
Tracey	12/8	2	3	TB	N	2	5	5	3	1
Tracey	12/8	2	3	TB	N	0	10	4	1	0
Tracey	12/8	2	3	TB	N	1	10	5	1	0
Tracey	12/8	2	3	TB	N	2	10	3	2	1
Tracey	12/8	2	3	TB	N	0	20	3	1	0
Tracey	12/8	2	3	TB	N	1	20	5	4	1
Tracey	12/8	2	3	TB	N	2	20	6	3	1
Tracey	12/12	2	7	TB	N	0	0	4	1	07
Tracey	12/12	2	7	TB	I	0	0	4	2	17
Tracey	12/12	2	7	TB	I	1	0	6	4	16
Tracey	12/12	2	7	TB	I	2	0	5	3	16
Tracey	12/12	2	7	TB	I	0	5	6	5	17
Tracey	12/12	2	7	TB	I	1	5	5	1	0.
Tracey	12/12	2	7	TB	I	2	5	5	5	16
Tracey	12/12	2	7	TB	I	0	10	5	5	16
Tracey	12/12	2	7	TB	I	1	10	6	6	16
Tracey	12/12	2	7	TB	I	2	10	.	.	.6
Tracey	12/12	2	7	TB	I	0	20	6	6	16
Tracey	12/12	2	7	TB	I	1	20	5	1	06
Tracey	12/12	2	7	TB	I	2	20	6	2	16
Tracey	12/12	2	7	TB	N	1	0	.	.	.6
Tracey	12/12	2	7	TB	N	2	0	5	5	17
Tracey	12/12	2	7	TB	N	0	5	6	2	17
Tracey	12/12	2	7	TB	N	1	5	5	3	17
Tracey	12/12	2	7	TB	N	2	5	5	4	16
Tracey	12/12	2	7	TB	N	0	10	6	1	05
Tracey	12/12	2	7	TB	N	1	10	5	2	16
Tracey	12/12	2	7	TB	N	2	10	6	3	16
Tracey	12/12	2	7	TB	N	0	20	4	1	05
Tracey	12/12	2	7	TB	N	1	20	5	4	16
Tracey	12/12	2	7	TB	N	2	20	4	5	17
Teresa	12/12	2	7	TB	N	0	0	4	1	06
Teresa	12/12	2	7	TB	I	0	0	4	1	07
Teresa	12/12	2	7	TB	I	1	0	4	4	16
Teresa	12/12	2	7	TB	I	2	0	5	1	06
Teresa	12/12	2	7	TB	I	0	5	5	3	16
Teresa	12/12	2	7	TB	I	1	5	4	3	17
Teresa	12/12	2	7	TB	I	2	5	4	1	06

Teresa	12/12	2	7	TB	I	0	10	5	4	17
Teresa	12/12	2	7	TB	I	1	10	5	1	06
Teresa	12/12	2	7	TB	I	2	10	4	3	16
Teresa	12/12	2	7	TB	I	0	20	5	1	06
Teresa	12/12	2	7	TB	I	1	20	5	1	0.
Teresa	12/12	2	7	TB	I	2	20	5	3	16
Teresa	12/12	2	7	TB	N	1	0	4	3	16
Teresa	12/12	2	7	TB	N	2	0	5	2	66
Teresa	12/12	2	7	TB	N	0	5	4	2	17
Teresa	12/12	2	7	TB	N	1	5	5	1	07
Teresa	12/12	2	7	TB	N	2	5	5	3	16
Teresa	12/12	2	7	TB	N	0	10	4	1	07
Teresa	12/12	2	7	TB	N	1	10	5	1	07
Teresa	12/12	2	7	TB	N	2	10	5	3	17
Teresa	12/12	2	7	TB	N	0	20	4	1	07
Teresa	12/12	2	7	TB	N	1	20	5	3	16
Teresa	12/12	2	7	TB	N	2	20	4	3	17
Blaine	12/12	2	7	TB	N	0	0	6	1	06
Blaine	12/12	2	7	TB	I	0	0	6	1	06
Blaine	12/12	2	7	TB	I	1	0	6	4	16
Blaine	12/12	2	7	TB	I	2	0	5	5	17
Blaine	12/12	2	7	TB	I	0	5	5	5	17
Blaine	12/12	2	7	TB	I	1	5	6	4	15
Blaine	12/12	2	7	TB	I	2	5	6	1	06
Blaine	12/12	2	7	TB	I	0	10	5	4	16
Blaine	12/12	2	7	TB	I	1	10	5	1	07
Blaine	12/12	2	7	TB	I	2	10	6	5	17
Blaine	12/12	2	7	TB	I	0	20	5	1	06
Blaine	12/12	2	7	TB	I	1	20	5	1	07
Blaine	12/12	2	7	TB	I	2	20	.	.	..
Blaine	12/12	2	7	TB	N	1	0	6	3	17
Blaine	12/12	2	7	TB	N	2	0	5	3	1.
Blaine	12/12	2	7	TB	N	0	5	6	3	45
Blaine	12/12	2	7	TB	N	1	5	5	1	06
Blaine	12/12	2	7	TB	N	2	5	5	4	16
Blaine	12/12	2	7	TB	N	0	10	6	1	05
Blaine	12/12	2	7	TB	N	1	10	5	3	16
Blaine	12/12	2	7	TB	N	2	10	5	4	15
Blaine	12/12	2	7	TB	N	0	20	6	1	06
Blaine	12/12	2	7	TB	N	1	20	5	3	15
Blaine	12/12	2	7	TB	N	2	20	6	4	16
Tracey	12/12	2	7	SL	N	0	0	6	1	07
Tracey	12/12	2	7	SL	I	0	0	4	2	34

Tracey	12/12	2	7	SL	I	1	0	6	4	5	5
Tracey	12/12	2	7	SL	I	2	0	.	.	.	.
Tracey	12/12	2	7	SL	I	0	5	.	.	.	.
Tracey	12/12	2	7	SL	I	1	5	.	.	.	.
Tracey	12/12	2	7	SL	I	2	5	6	1	0	6
Tracey	12/12	2	7	SL	I	0	10	5	3	4	6
Tracey	12/12	2	7	SL	I	1	10	5	1	0	7
Tracey	12/12	2	7	SL	I	2	10	7	2	5	3
Tracey	12/12	2	7	SL	I	0	20	3	2	1	4
Tracey	12/12	2	7	SL	I	1	20	5	1	0	7
Tracey	12/12	2	7	SL	I	2	20	4	1	0	3
Tracey	12/12	2	7	SL	I	1	0	5	1	0	7
Tracey	12/12	2	7	SL	N	2	0	6	1	0	3
Tracey	12/12	2	7	SL	N	0	5	6	1	0	7
Tracey	12/12	2	7	SL	N	1	5	7	1	0	3
Tracey	12/12	2	7	SL	N	2	5	5	1	0	5
Tracey	12/12	2	7	SL	N	0	10	5	1	0	4
Tracey	12/12	2	7	SL	N	1	10	5	1	0	4
Tracey	12/12	2	7	SL	N	2	10	5	4	1	6
Tracey	12/12	2	7	SL	N	0	20	5	6	1	4
Tracey	12/12	2	7	SL	N	1	20	6	4	1	5
Tracey	12/12	2	7	SL	N	2	20	6	3	5	5
Teresa	12/12	2	7	SL	N	0	0	5	1	0	7
Teresa	12/12	2	7	SL	I	0	0	4	2	5	6
Teresa	12/12	2	7	SL	I	1	0	5	3	6	6
Teresa	12/12	2	7	SL	I	2	0	.	.	.	.
Teresa	12/12	2	7	SL	I	0	5	.	.	.	.
Teresa	12/12	2	7	SL	I	1	5	.	.	.	.
Teresa	12/12	2	7	SL	I	2	5	4	1	0	7
Teresa	12/12	2	7	SL	I	0	10	5	1	0	7
Teresa	12/12	2	7	SL	I	1	10	4	3	5	6
Teresa	12/12	2	7	SL	I	2	10	5	4	4	5
Teresa	12/12	2	7	SL	I	0	20	5	4	4	5
Teresa	12/12	2	7	SL	I	1	20	5	2	4	6
Teresa	12/12	2	7	SL	I	2	20	5	3	4	6
Teresa	12/12	2	7	SL	N	1	0	6	4	5	7
Teresa	12/12	2	7	SL	N	2	0	5	1	0	5
Teresa	12/12	2	7	SL	N	0	5	4	1	0	7
Teresa	12/12	2	7	SL	N	1	5	4	1	0	4
Teresa	12/12	2	7	SL	N	2	5	4	1	0	5
Teresa	12/12	2	7	SL	N	0	10	5	1	0	5
Teresa	12/12	2	7	SL	N	1	10	6	1	0	6
Teresa	12/12	2	7	SL	N	2	10	6	4	5	7

Teresa	12/12	2	7	SL	N	0	20	6	4	5	6
Teresa	12/12	2	7	SL	N	1	20	6	3	5	7
Teresa	12/12	2	7	SL	N	2	20	6	1	0	6
Blaine	12/12	2	7	SL	N	0	0	5	2	6	6
Blaine	12/12	2	7	SL	I	0	0	6	1	0	6
Blaine	12/12	2	7	SL	I	1	0	5	4	6	5
Blaine	12/12	2	7	SL	I	2	0	.	.	.	.
Blaine	12/12	2	7	SL	I	0	5	.	.	.	.
Blaine	12/12	2	7	SL	I	1	5	.	.	.	.
Blaine	12/12	2	7	SL	I	2	5	6	1	0	6
Blaine	12/12	2	7	SL	I	0	10	6	1	0	6
Blaine	12/12	2	7	SL	I	1	10	6	1	0	4
Blaine	12/12	2	7	SL	I	2	10	6	1	0	4
Blaine	12/12	2	7	SL	I	0	20	6	2	1	4
Blaine	12/12	2	7	SL	I	1	20	5	1	0	5
Blaine	12/12	2	7	SL	I	2	20	6	1	0	3
Blaine	12/12	2	7	SL	N	1	0	5	2	6	6
Blaine	12/12	2	7	SL	N	2	0	5	1	0	4
Blaine	12/12	2	7	SL	N	0	5	6	1	0	7
Blaine	12/12	2	7	SL	N	1	5	6	1	0	3
Blaine	12/12	2	7	SL	N	2	5	6	1	0	3
Blaine	12/12	2	7	SL	N	0	10	5	1	0	4
Blaine	12/12	2	7	SL	N	1	10	5	1	0	3
Blaine	12/12	2	7	SL	N	2	10	5	1	0	6
Blaine	12/12	2	7	SL	N	0	20	5	1	0	5
Blaine	12/12	2	7	SL	N	1	20	5	1	0	5
Blaine	12/12	2	7	SL	N	2	20	5	1	0	4
Tracey	12/15	2	10	SL	N	0	0	6	1	0	5
Tracey	12/15	2	10	SL	I	0	0	6	3	4	6
Tracey	12/15	2	10	SL	I	1	0	6	1	0	6
Tracey	12/15	2	10	SL	I	2	0	4	1	0	6
Tracey	12/15	2	10	SL	I	0	5	6	1	0	6
Tracey	12/15	2	10	SL	I	1	5	6	1	0	6
Tracey	12/15	2	10	SL	I	2	5	4	1	0	6
Tracey	12/15	2	10	SL	I	0	10	5	2	6	6
Tracey	12/15	2	10	SL	I	1	10	.	.	.	6
Tracey	12/15	2	10	SL	I	2	10	4	1	0	6
Tracey	12/15	2	10	SL	I	0	20	4	1	0	6
Tracey	12/15	2	10	SL	I	1	20	5	1	0	6
Tracey	12/15	2	10	SL	I	2	20	6	2	1	6
Tracey	12/15	2	10	SL	N	1	0	5	1	0	6
Tracey	12/15	2	10	SL	N	2	0	5	2	1	7
Tracey	12/15	2	10	SL	N	0	5	6	1	0	6

Tracey	12/15	2	10	SL	N	1	5	6	1	0	5
Tracey	12/15	2	10	SL	N	2	5	6	1	0	6
Tracey	12/15	2	10	SL	N	0	10	5	1	0	6
Tracey	12/15	2	10	SL	N	1	10	5	1	0	6
Tracey	12/15	2	10	SL	N	2	10	5	6	1	6
Tracey	12/15	2	10	SL	N	0	20	5	1	0	6
Tracey	12/15	2	10	SL	N	1	20	6	3	4	7
Tracey	12/15	2	10	SL	N	2	20	5	1	0	6
Blaine	12/15	2	10	SL	N	0	0	5	2	6	5
Blaine	12/15	2	10	SL	I	0	0	4	1	0	6
Blaine	12/15	2	10	SL	I	1	0	5	2	6	7
Blaine	12/15	2	10	SL	I	2	0	6	2	1	6
Blaine	12/15	2	10	SL	I	0	5	6	1	0	6
Blaine	12/15	2	10	SL	I	1	5	6	1	0	6
Blaine	12/15	2	10	SL	I	2	5	4	1	0	6
Blaine	12/15	2	10	SL	I	0	10	5	3	6	6
Blaine	12/15	2	10	SL	I	1	10	.	.	.	.
Blaine	12/15	2	10	SL	I	2	10	6	3	5	5
Blaine	12/15	2	10	SL	I	0	20	6	1	0	6
Blaine	12/15	2	10	SL	I	1	20	5	1	0	6
Blaine	12/15	2	10	SL	I	2	20	6	2	5	6
Blaine	12/15	2	10	SL	N	1	0	5	2	4	6
Blaine	12/15	2	10	SL	N	2	0	5	3	6	6
Blaine	12/15	2	10	SL	N	0	5	5	1	0	6
Blaine	12/15	2	10	SL	N	1	5	6	3	5	5
Blaine	12/15	2	10	SL	N	2	5	5	2	6	6
Blaine	12/15	2	10	SL	N	0	10	5	1	0	6
Blaine	12/15	2	10	SL	N	1	10	5	1	0	6
Blaine	12/15	2	10	SL	N	2	10	5	1	0	7
Blaine	12/15	2	10	SL	N	0	20	6	3	5	6
Blaine	12/15	2	10	SL	N	1	20	6	2	5	6
Blaine	12/15	2	10	SL	N	2	20	5	1	0	6
Tracey	12/15	2	10	TB	N	0	0	6	3	4	7
Tracey	12/15	2	10	TB	I	0	0	2	2	1	7
Tracey	12/15	2	10	TB	I	1	0	3	2	1	7
Tracey	12/15	2	10	TB	I	2	0	5	3	1	6
Tracey	12/15	2	10	TB	I	0	5	6	6	1	6
Tracey	12/15	2	10	TB	I	1	5	4	3	1	6
Tracey	12/15	2	10	TB	I	2	5	5	4	1	6
Tracey	12/15	2	10	TB	I	0	10	5	5	1	7
Tracey	12/15	2	10	TB	I	1	10	4	5	1	6
Tracey	12/15	2	10	TB	I	2	10	5	3	1	6
Tracey	12/15	2	10	TB	I	0	20	6	4	1	6

Tracey	12/15	2	10	TB	I	1	20	5	5	16
Tracey	12/15	2	10	TB	I	2	20	5	2	17
Tracey	12/15	2	10	TB	N	1	0	6	3	16
Tracey	12/15	2	10	TB	N	2	0	6	2	16
Tracey	12/15	2	10	TB	N	0	5	6	4	17
Tracey	12/15	2	10	TB	N	1	5	5	3	16
Tracey	12/15	2	10	TB	N	2	5	5	2	17
Tracey	12/15	2	10	TB	N	0	10	6	4	44
Tracey	12/15	2	10	TB	N	1	10	5	4	16
Tracey	12/15	2	10	TB	N	2	10	4	5	16
Tracey	12/15	2	10	TB	N	0	20	5	1	06
Tracey	12/15	2	10	TB	N	1	20	5	2	16
Tracey	12/15	2	10	TB	N	2	20	6	5	16
Blaine	12/15	2	10	TB	N	0	0	5	2	16
Blaine	12/15	2	10	TB	I	0	0	6	2	36
Blaine	12/15	2	10	TB	I	1	0	6	2	17
Blaine	12/15	2	10	TB	I	2	0	6	3	16
Blaine	12/15	2	10	TB	I	0	5	6	5	16
Blaine	12/15	2	10	TB	I	1	5	4	3	16
Blaine	12/15	2	10	TB	I	2	5	6	2	16
Blaine	12/15	2	10	TB	I	0	10	6	3	16
Blaine	12/15	2	10	TB	I	1	10	6	3	15
Blaine	12/15	2	10	TB	I	2	10	5	4	16
Blaine	12/15	2	10	TB	I	0	20	5	3	16
Blaine	12/15	2	10	TB	I	1	20	6	5	16
Blaine	12/15	2	10	TB	I	2	20	6	2	16
Blaine	12/15	2	10	TB	N	1	0	6	3	16
Blaine	12/15	2	10	TB	N	2	0	5	2	16
Blaine	12/15	2	10	TB	N	0	5	6	4	16
Blaine	12/15	2	10	TB	N	1	5	5	4	16
Blaine	12/15	2	10	TB	N	2	5	6	3	16
Blaine	12/15	2	10	TB	N	0	10	6	3	16
Blaine	12/15	2	10	TB	N	1	10	5	4	16
Blaine	12/15	2	10	TB	N	2	10	5	5	16
Blaine	12/15	2	10	TB	N	0	20	5	3	16
Blaine	12/15	2	10	TB	N	1	20	5	1	06
Blaine	12/19	2	10	TB	N	2	20	6	5	16
Tracey	12/19	2	14	SL	N	0	0	5	2	13
Tracey	12/19	2	14	SL	I	0	0	4	3	17
Tracey	12/19	2	14	SL	I	1	0	6	1	06
Tracey	12/19	2	14	SL	I	2	0	5	1	06
Tracey	12/19	2	14	SL	I	0	5	4	2	14
Tracey	12/19	2	14	SL	I	1	5	4	2	14

Tracey	12/19	2	14	SL	I	2	5	6	1	0	6
Tracey	12/19	2	14	SL	I	0	10	6	5	4	3
Tracey	12/19	2	14	SL	I	1	10	4	3	1	5
Tracey	12/19	2	14	SL	I	2	10	7	1	0	3
Tracey	12/19	2	14	SL	I	0	20	.	.	.	.
Tracey	12/19	2	14	SL	I	1	20	5	2	1	5
Tracey	12/19	2	14	SL	I	2	20	6	3	4	6
Tracey	12/19	2	14	SL	N	1	0	5	4	1	7
Tracey	12/19	2	14	SL	N	2	0	6	1	0	3
Tracey	12/19	2	14	SL	N	0	5	6	1	0	5
Tracey	12/19	2	14	SL	N	1	5	6	2	1	3
Tracey	12/19	2	14	SL	N	2	5	5	4	1	6
Tracey	12/19	2	14	SL	N	0	10	5	3	1	4
Tracey	12/19	2	14	SL	N	1	10	5	2	1	6
Tracey	12/19	2	14	SL	N	2	10	5	5	1	5
Tracey	12/19	2	14	SL	N	0	20	5	5	1	6
Tracey	12/19	2	14	SL	N	1	20	6	3	5	7
Tracey	12/19	2	14	SL	N	2	20	5	1	0	5
Blaine	12/19	2	14	SL	N	0	0	4	3	5	3
Blaine	12/19	2	14	SL	I	0	0	4	3	1	6
Blaine	12/19	2	14	SL	I	1	0	5	1	0	6
Blaine	12/19	2	14	SL	I	2	0	6	1	0	6
Blaine	12/19	2	14	SL	I	0	5	5	1	0	5
Blaine	12/19	2	14	SL	I	1	5	4	1	0	5
Blaine	12/19	2	14	SL	I	2	5	4	3	5	6
Blaine	12/19	2	14	SL	I	0	10	4	1	0	5
Blaine	12/19	2	14	SL	I	1	10	4	1	0	6
Blaine	12/19	2	14	SL	I	2	10	6	1	0	4
Blaine	12/19	2	14	SL	I	0	20	.	.	.	.
Blaine	12/19	2	14	SL	I	1	20	5	1	0	6
Blaine	12/19	2	14	SL	I	2	20	6	1	0	6
Blaine	12/19	2	14	SL	N	1	0	5	3	1	6
Blaine	12/19	2	14	SL	N	2	0	5	1	0	4
Blaine	12/19	2	14	SL	N	0	5	6	1	0	4
Blaine	12/19	2	14	SL	N	1	5	6	1	0	2
Blaine	12/19	2	14	SL	N	2	5	5	4	1	6
Blaine	12/19	2	14	SL	N	0	10	5	1	0	5
Blaine	12/19	2	14	SL	N	1	10	5	1	0	6
Blaine	12/19	2	14	SL	N	2	10	5	5	1	6
Blaine	12/19	2	14	SL	N	0	20	5	3	1	7
Blaine	12/19	2	14	SL	N	1	20	5	1	0	6
Blaine	12/19	2	14	SL	N	2	20	5	1	0	5
Teresa	12/19	2	14	SL	N	0	0	4	3	5	5

Teresa	12/19	2	14	SL	I	0	0	3	2	17
Teresa	12/19	2	14	SL	I	1	0	5	3	16
Teresa	12/19	2	14	SL	I	2	0	4	1	06
Teresa	12/19	2	14	SL	I	0	5	4	3	16
Teresa	12/19	2	14	SL	I	1	5	5	4	17
Teresa	12/19	2	14	SL	I	2	5	4	1	06
Teresa	12/19	2	14	SL	I	0	10	4	1	06
Teresa	12/19	2	14	SL	I	1	10	4	1	06
Teresa	12/19	2	14	SL	I	2	10	4	1	06
Teresa	12/19	2	14	SL	I	0	20	.	.	..
Teresa	12/19	2	14	SL	I	1	20	5	1	07
Teresa	12/19	2	14	SL	I	2	20	4	1	06
Teresa	12/19	2	14	SL	N	1	0	5	4	16
Teresa	12/19	2	14	SL	N	2	0	4	1	05
Teresa	12/19	2	14	SL	N	0	5	4	1	07
Teresa	12/19	2	14	SL	N	1	5	4	2	14
Teresa	12/19	2	14	SL	N	2	5	5	6	17
Teresa	12/19	2	14	SL	N	0	10	5	7	16
Teresa	12/19	2	14	SL	N	1	10	6	1	07
Teresa	12/19	2	14	SL	N	2	10	6	4	16
Teresa	12/19	2	14	SL	N	0	20	5	3	16
Teresa	12/19	2	14	SL	N	1	20	4	3	57
Teresa	12/19	2	14	SL	N	2	20	6	1	06
Tracey	12/19	2	14	TB	N	0	0	4	2	17
Tracey	12/19	2	14	TB	I	0	0	4	4	17
Tracey	12/19	2	14	TB	I	1	0	4	4	16
Tracey	12/19	2	14	TB	I	2	0	5	3	16
Tracey	12/19	2	14	TB	I	0	5	4	5	17
Tracey	12/19	2	14	TB	I	1	5	7	5	16
Tracey	12/19	2	14	TB	I	2	5	6	2	17
Tracey	12/19	2	14	TB	I	0	10	5	5	16
Tracey	12/19	2	14	TB	I	1	10	5	5	16
Tracey	12/19	2	14	TB	I	2	10	4	5	15
Tracey	12/19	2	14	TB	I	0	20	5	4	17
Tracey	12/19	2	14	TB	I	1	20	4	2	17
Tracey	12/19	2	14	TB	I	2	20	6	5	16
Tracey	12/19	2	14	TB	N	1	0	5	3	16
Tracey	12/19	2	14	TB	N	2	0	7	1	07
Tracey	12/19	2	14	TB	N	0	5	7	3	15
Tracey	12/19	2	14	TB	N	1	5	5	5	17
Tracey	12/19	2	14	TB	N	2	5	5	4	16
Tracey	12/19	2	14	TB	N	0	10	6	3	47
Tracey	12/19	2	14	TB	N	1	10	4	6	16

Tracey	12/19	2	14	TB	N	2	10	5	5	16
Tracey	12/19	2	14	TB	N	0	20	4	4	17
Tracey	12/19	2	14	TB	N	1	20	5	4	17
Tracey	12/19	2	14	TB	N	2	20	3	4	17
Blaine	12/19	2	14	TB	N	0	0	4	2	16
Blaine	12/19	2	14	TB	I	0	0	4	4	15
Blaine	12/19	2	14	TB	I	1	0	6	4	16
Blaine	12/19	2	14	TB	I	2	0	5	4	16
Blaine	12/19	2	14	TB	I	0	5	4	5	16
Blaine	12/19	2	14	TB	I	1	5	6	4	16
Blaine	12/19	2	14	TB	I	2	5	6	2	46
Blaine	12/19	2	14	TB	I	0	10	5	6	16
Blaine	12/19	2	14	TB	I	1	10	5	4	16
Blaine	12/19	2	14	TB	I	2	10	3	5	14
Blaine	12/19	2	14	TB	I	0	20	5	4	16
Blaine	12/19	2	14	TB	I	1	20	4	1	06
Blaine	12/19	2	14	TB	I	2	20	6	3	16
Blaine	12/19	2	14	TB	N	1	0	6	3	16
Blaine	12/19	2	14	TB	N	2	0	6	1	07
Blaine	12/19	2	14	TB	N	0	5	6	3	15
Blaine	12/19	2	14	TB	N	1	5	5	4	16
Blaine	12/19	2	14	TB	N	2	5	5	3	16
Blaine	12/19	2	14	TB	N	0	10	5	3	17
Blaine	12/19	2	14	TB	N	1	10	1	7	16
Blaine	12/19	2	14	TB	N	2	10	5	3	16
Blaine	12/19	2	14	TB	N	0	20	4	1	06
Blaine	12/19	2	14	TB	N	1	20	5	3	16
Blaine	12/19	2	14	TB	N	2	20	4	5	16
Teresa	12/19	2	14	TB	N	0	0	4	1	07
Teresa	12/19	2	14	TB	I	0	0	4	6	16
Teresa	12/19	2	14	TB	I	1	0	4	4	16
Teresa	12/19	2	14	TB	I	2	0	6	3	16
Teresa	12/19	2	14	TB	I	0	5	4	5	17
Teresa	12/19	2	14	TB	I	1	5	4	6	16
Teresa	12/19	2	14	TB	I	2	5	5	2	16
Teresa	12/19	2	14	TB	I	0	10	6	5	17
Teresa	12/19	2	14	TB	I	1	10	5	6	15
Teresa	12/19	2	14	TB	I	2	10	4	7	17
Teresa	12/19	2	14	TB	I	0	20	4	1	07
Teresa	12/19	2	14	TB	I	1	20	5	7	17
Teresa	12/19	2	14	TB	I	2	20	5	3	17
Teresa	12/19	2	14	TB	N	1	0	5	1	06
Teresa	12/19	2	14	TB	N	2	0	5	1	07

Teresa	12/19	2	14	TB	N	0	5	4	6	1 7
Teresa	12/19	2	14	TB	N	1	5	5	5	1 7
Teresa	12/19	2	14	TB	N	2	5	6	7	1 7
Teresa	12/19	2	14	TB	N	0	10	6	5	1 7
Teresa	12/19	2	14	TB	N	1	10	5	7	1 6
Teresa	12/19	2	14	TB	N	2	10	5	5	1 7
Teresa	12/19	2	14	TB	N	0	20	5	7	1 6
Teresa	12/19	2	14	TB	N	1	20	6	5	1 7
Teresa	12/19	2	14	TB	N	2	20	6	6	1 7
Tracey	12/11	3	1	SL	N	0	0	6	1	0 4
Tracey	12/11	3	1	SL	I	0	0	5	2	6 5
Tracey	12/11	3	1	SL	I	1	0	.	.	. .
Tracey	12/11	3	1	SL	I	2	0	6	3	7 .
Tracey	12/11	3	1	SL	I	0	5	6	1	0 4
Tracey	12/11	3	1	SL	I	1	5	5	1	0 6
Tracey	12/11	3	1	SL	I	2	5	7	1	0 3
Tracey	12/11	3	1	SL	I	0	10	7	1	0 5
Tracey	12/11	3	1	SL	I	1	10	6	3	7 2
Tracey	12/11	3	1	SL	I	2	10	.	.	. .
Tracey	12/11	3	1	SL	I	0	20	6	1	0 .
Tracey	12/11	3	1	SL	I	1	20	6	3	7 4
Tracey	12/11	3	1	SL	I	2	20	7	1	0 2
Tracey	12/11	3	1	SL	N	1	0	6	1	0 4
Tracey	12/11	3	1	SL	N	2	0	5	1	0 4
Tracey	12/11	3	1	SL	N	0	5	6	1	0 3
Tracey	12/11	3	1	SL	N	1	5	5	1	0 5
Tracey	12/11	3	1	SL	N	2	5	5	1	0 3
Tracey	12/11	3	1	SL	N	0	10	6	5	5 3
Tracey	12/11	3	1	SL	N	1	10	6	1	0 4
Tracey	12/11	3	1	SL	N	2	10	5	1	0 2
Tracey	12/11	3	1	SL	N	0	20	5	1	0 4
Tracey	12/11	3	1	SL	N	1	20	5	1	0 4
Tracey	12/11	3	1	SL	N	2	20	5	1	0 3
Blaine	12/11	3	1	SL	N	0	0	6	1	0 2
Blaine	12/11	3	1	SL	I	0	0	5	3	6 3
Blaine	12/11	3	1	SL	I	1	0	.	.	. .
Blaine	12/11	3	1	SL	I	2	0	6	1	0 2
Blaine	12/11	3	1	SL	I	0	5	5	1	0 3
Blaine	12/11	3	1	SL	I	1	5	5	2	6 5
Blaine	12/11	3	1	SL	I	2	5	6	1	0 2
Blaine	12/11	3	1	SL	I	0	10	7	1	0 5
Blaine	12/11	3	1	SL	I	1	10	6	2	3 2
Blaine	12/11	3	1	SL	I	2	10	.	.	. .

Blaine	12/11	3	1	SL	I	0	20	5	1	0	3
Blaine	12/11	3	1	SL	I	1	20	6	3	5	3
Blaine	12/11	3	1	SL	I	2	20	6	1	0	2
Blaine	12/11	3	1	SL	N	1	0	6	1	0	3
Blaine	12/11	3	1	SL	N	2	0	5	1	0	3
Blaine	12/11	3	1	SL	N	0	5	6	1	0	3
Blaine	12/11	3	1	SL	N	1	5	5	1	0	3
Blaine	12/11	3	1	SL	N	2	5	6	1	0	3
Blaine	12/11	3	1	SL	N	0	10	6	4	5	3
Blaine	12/11	3	1	SL	N	1	10	5	1	0	3
Blaine	12/11	3	1	SL	N	2	10	6	1	0	2
Blaine	12/11	3	1	SL	N	0	20	5	1	0	4
Blaine	12/11	3	1	SL	N	1	20	5	1	0	3
Blaine	12/11	3	1	SL	N	2	20	5	1	0	3
Teresa	12/11	3	1	SL	N	0	0	4	1	0	5
Teresa	12/11	3	1	SL	I	0	0	6	3	4	6
Teresa	12/11	3	1	SL	I	1	0	.	.	.	.
Teresa	12/11	3	1	SL	I	2	0	3	1	0	4
Teresa	12/11	3	1	SL	I	0	5	5	1	0	6
Teresa	12/11	3	1	SL	I	1	5	6	3	5	7
Teresa	12/11	3	1	SL	I	2	5	4	3	3	5
Teresa	12/11	3	1	SL	I	0	10	3	1	0	6
Teresa	12/11	3	1	SL	I	1	10	5	3	4	3
Teresa	12/11	3	1	SL	I	2	10	.	.	.	.
Teresa	12/11	3	1	SL	I	0	20	4	1	0	5
Teresa	12/11	3	1	SL	I	1	20	4	3	5	5
Teresa	12/11	3	1	SL	I	2	20	4	3	3	3
Teresa	12/11	3	1	SL	N	1	0	4	1	0	5
Teresa	12/11	3	1	SL	N	2	0	6	1	0	6
Teresa	12/11	3	1	SL	N	0	5	5	1	0	5
Teresa	12/11	3	1	SL	N	1	5	7	1	0	7
Teresa	12/11	3	1	SL	N	2	5	5	1	0	5
Teresa	12/11	3	1	SL	N	0	10	5	2	6	4
Teresa	12/11	3	1	SL	N	1	10	5	1	0	5
Teresa	12/11	3	1	SL	N	2	10	5	1	0	4
Teresa	12/11	3	1	SL	N	0	20	6	1	0	6
Teresa	12/11	3	1	SL	N	1	20	6	1	0	6
Teresa	12/11	3	1	SL	N	2	20	6	3	5	4
Tracey	12/11	3	1	TB	N	0	0	6	1	0	5
Tracey	12/11	3	1	TB	I	0	0	7	2	5	5
Tracey	12/11	3	1	TB	I	1	0	6	3	5	5
Tracey	12/11	3	1	TB	I	2	0	7	1	0	4
Tracey	12/11	3	1	TB	I	0	5	6	3	7	5

Tracey	12/11	3	1	TB	I	1	5	5	2	6	6
Tracey	12/11	3	1	TB	I	2	5	6	4	1	4
Tracey	12/11	3	1	TB	I	0	10	5	3	6	3
Tracey	12/11	3	1	TB	I	1	10	5	4	1	7
Tracey	12/11	3	1	TB	I	2	10	5	1	0	5
Tracey	12/11	3	1	TB	I	0	20	6	1	0	4
Tracey	12/11	3	1	TB	I	1	20	6	1	0	4
Tracey	12/11	3	1	TB	I	2	20	7	1	0	4
Tracey	12/11	3	1	TB	N	1	0	6	2	1	4
Tracey	12/11	3	1	TB	N	2	0	.	.	.	.
Tracey	12/11	3	1	TB	N	0	5	6	1	0	4
Tracey	12/11	3	1	TB	N	1	5	5	1	0	4
Tracey	12/11	3	1	TB	N	2	5	5	3	1	7
Tracey	12/11	3	1	TB	N	0	10	5	1	0	4
Tracey	12/11	3	1	TB	N	1	10	6	2	1	3
Tracey	12/11	3	1	TB	N	2	10	5	2	1	5
Tracey	12/11	3	1	TB	N	0	20	5	4	1	5
Tracey	12/11	3	1	TB	N	1	20	4	1	0	3
Tracey	12/11	3	1	TB	N	2	20	5	1	0	5
Teresa	12/11	3	1	TB	N	0	0	5	4	4	6
Teresa	12/11	3	1	TB	I	0	0	4	3	5	6
Teresa	12/11	3	1	TB	I	1	0	4	2	5	6
Teresa	12/11	3	1	TB	I	2	0	4	1	0	5
Teresa	12/11	3	1	TB	I	0	5	4	3	3	5
Teresa	12/11	3	1	TB	I	1	5	5	1	0	6
Teresa	12/11	3	1	TB	I	2	5	4	3	5	5
Teresa	12/11	3	1	TB	I	0	10	4	1	0	4
Teresa	12/11	3	1	TB	I	1	10	5	1	0	6
Teresa	12/11	3	1	TB	I	2	10	5	1	0	6
Teresa	12/11	3	1	TB	I	0	20	4	1	0	6
Teresa	12/11	3	1	TB	I	1	20	4	1	0	5
Teresa	12/11	3	1	TB	I	2	20	4	2	2	5
Teresa	12/11	3	1	TB	N	1	0	5	1	0	6
Teresa	12/11	3	1	TB	N	2	0	.	.	.	.
Teresa	12/11	3	1	TB	N	0	5	5	1	0	4
Teresa	12/11	3	1	TB	N	1	5	3	3	4	5
Teresa	12/11	3	1	TB	N	2	5	6	3	5	6
Teresa	12/11	3	1	TB	N	0	10	5	1	0	5
Teresa	12/11	3	1	TB	N	1	10	4	3	2	3
Teresa	12/11	3	1	TB	N	2	10	5	2	1	5
Teresa	12/11	3	1	TB	N	0	20	5	3	4	6
Teresa	12/11	3	1	TB	N	1	20	3	1	0	4
Teresa	12/11	3	1	TB	N	2	20	6	1	0	6

Blaine	12/11	3	1	TB	N	0	0	6	1	0	3
Blaine	12/11	3	1	TB	I	0	0	6	1	0	4
Blaine	12/11	3	1	TB	I	1	0	6	3	2	4
Blaine	12/11	3	1	TB	I	2	0	6	1	0	3
Blaine	12/11	3	1	TB	I	0	5	6	2	4	4
Blaine	12/11	3	1	TB	I	1	5	5	1	0	7
Blaine	12/11	3	1	TB	I	2	5	5	3	1	4
Blaine	12/11	3	1	TB	I	0	10	5	2	6	6
Blaine	12/11	3	1	TB	I	1	10	5	5	1	4
Blaine	12/11	3	1	TB	I	2	10	5	1	0	3
Blaine	12/11	3	1	TB	I	0	20	6	1	0	4
Blaine	12/11	3	1	TB	I	1	20	5	1	0	4
Blaine	12/11	3	1	TB	I	2	20	6	1	0	3
Blaine	12/11	3	1	TB	N	1	0	5	2	1	3
Blaine	12/11	3	1	TB	N	2	0	.	.	.	.
Blaine	12/11	3	1	TB	N	0	5	6	3	1	3
Blaine	12/11	3	1	TB	N	1	5	5	2	1	3
Blaine	12/11	3	1	TB	N	2	5	5	4	1	6
Blaine	12/11	3	1	TB	N	0	10	5	1	0	3
Blaine	12/11	3	1	TB	N	1	10	6	1	0	2
Blaine	12/11	3	1	TB	N	2	10	4	2	1	4
Blaine	12/11	3	1	TB	N	0	20	5	3	1	4
Blaine	12/11	3	1	TB	N	1	20	6	1	0	2
Blaine	12/11	3	1	TB	N	2	20	5	1	0	4
Tracey	12/13	3	3	TB	N	0	0	6	1	0	6
Tracey	12/13	3	3	TB	I	0	0	4	1	0	5
Tracey	12/13	3	3	TB	I	1	0	4	5	1	6
Tracey	12/13	3	3	TB	I	2	0	7	3	1	7
Tracey	12/13	3	3	TB	I	0	5	3	2	1	3
Tracey	12/13	3	3	TB	I	1	5	6	1	0	6
Tracey	12/13	3	3	TB	I	2	5	6	2	1	6
Tracey	12/13	3	3	TB	I	0	10	6	3	5	6
Tracey	12/13	3	3	TB	I	1	10	4	3	1	6
Tracey	12/13	3	3	TB	I	2	10	6	1	0	7
Tracey	12/13	3	3	TB	I	0	20	2	4	1	2
Tracey	12/13	3	3	TB	I	1	20	4	1	0	4
Tracey	12/13	3	3	TB	I	2	20	2	3	6	4
Tracey	12/13	3	3	TB	N	1	0	5	5	1	5
Tracey	12/13	3	3	TB	N	2	0	4	3	1	5
Tracey	12/13	3	3	TB	N	0	5	6	2	5	7
Tracey	12/13	3	3	TB	N	1	5	4	2	5	3
Tracey	12/13	3	3	TB	N	2	5	5	4	1	5
Tracey	12/13	3	3	TB	N	0	10	5	1	0	6

Tracey	12/13	3	3	TB	N	1	10	6	3	5	3
Tracey	12/13	3	3	TB	N	2	10	3	1	0	4
Tracey	12/13	3	3	TB	N	0	20	7	2	5	7
Tracey	12/13	3	3	TB	N	1	20	7	3	4	3
Tracey	12/13	3	3	TB	N	2	20	5	1	0	6
Blaine	12/13	3	3	TB	N	0	0	5	1	0	7
Blaine	12/13	3	3	TB	I	0	0	6	1	0	4
Blaine	12/13	3	3	TB	I	1	0	6	5	1	7
Blaine	12/13	3	3	TB	I	2	0	6	2	1	7
Blaine	12/13	3	3	TB	I	0	5	6	1	0	3
Blaine	12/13	3	3	TB	I	1	5	5	1	0	5
Blaine	12/13	3	3	TB	I	2	5	5	1	0	7
Blaine	12/13	3	3	TB	I	0	10	5	3	6	7
Blaine	12/13	3	3	TB	I	1	10	6	3	1	7
Blaine	12/13	3	3	TB	I	2	10	5	1	0	7
Blaine	12/13	3	3	TB	I	0	20	6	4	1	3
Blaine	12/13	3	3	TB	I	1	20	6	1	0	4
Blaine	12/13	3	3	TB	I	2	20	6	1	0	3
Blaine	12/13	3	3	TB	N	1	0	6	3	5	3
Blaine	12/13	3	3	TB	N	2	0	6	3	1	4
Blaine	12/13	3	3	TB	N	0	5	6	1	0	7
Blaine	12/13	3	3	TB	N	1	5	6	1	0	3
Blaine	12/13	3	3	TB	N	2	5	5	3	1	7
Blaine	12/13	3	3	TB	N	0	10	5	1	0	6
Blaine	12/13	3	3	TB	N	1	10	5	3	1	4
Blaine	12/13	3	3	TB	N	2	10	6	1	0	4
Blaine	12/13	3	3	TB	N	0	20	5	3	6	5
Blaine	12/13	3	3	TB	N	1	20	6	4	4	3
Blaine	12/13	3	3	TB	N	2	20	5	1	0	7
Tracey	12/13	3	3	SL	N	0	0	7	3	6	7
Tracey	12/13	3	3	SL	I	0	0	6	3	5	6
Tracey	12/13	3	3	SL	I	1	0	5	1	0	6
Tracey	12/13	3	3	SL	I	2	0	3	1	0	4
Tracey	12/13	3	3	SL	I	0	5	7	1	0	5
Tracey	12/13	3	3	SL	I	1	5	5	1	0	6
Tracey	12/13	3	3	SL	I	2	5	6	2	5	6
Tracey	12/13	3	3	SL	I	0	10	6	5	2	7
Tracey	12/13	3	3	SL	I	1	10	4	2	5	4
Tracey	12/13	3	3	SL	I	2	10	4	1	0	6
Tracey	12/13	3	3	SL	I	0	20	4	2	1	6
Tracey	12/13	3	3	SL	I	1	20	4	2	5	7
Tracey	12/13	3	3	SL	I	2	20	3	1	0	5
Tracey	12/13	3	3	SL	N	1	0	.	.	.	.

Tracey	12/13	3	3	SL	N	2	0	5	1	0	6
Tracey	12/13	3	3	SL	N	0	5	6	2	4	4
Tracey	12/13	3	3	SL	N	1	5	5	1	0	6
Tracey	12/13	3	3	SL	N	2	5	6	1	0	7
Tracey	12/13	3	3	SL	N	0	10	6	2	1	5
Tracey	12/13	3	3	SL	N	1	10	6	1	0	5
Tracey	12/13	3	3	SL	N	2	10	5	3	6	5
Tracey	12/13	3	3	SL	N	0	20	5	1	0	5
Tracey	12/13	3	3	SL	N	1	20	5	1	0	5
Tracey	12/13	3	3	SL	N	2	20	5	2	6	.
Blaine	12/13	3	3	SL	N	0	0	6	1	0	.
Blaine	12/13	3	3	SL	I	0	0	6	3	5	5
Blaine	12/13	3	3	SL	I	1	0	5	3	6	7
Blaine	12/13	3	3	SL	I	2	0	6	1	0	3
Blaine	12/13	3	3	SL	I	0	5	6	1	0	4
Blaine	12/13	3	3	SL	I	1	5	6	1	0	7
Blaine	12/13	3	3	SL	I	2	5	5	3	6	5
Blaine	12/13	3	3	SL	I	0	10	4	1	0	7
Blaine	12/13	3	3	SL	I	1	10	6	2	5	3
Blaine	12/13	3	3	SL	I	2	10	6	1	0	7
Blaine	12/13	3	3	SL	I	0	20	6	2	1	7
Blaine	12/13	3	3	SL	I	1	20	6	2	5	6
Blaine	12/13	3	3	SL	I	2	20	6	1	0	4
Blaine	12/13	3	3	SL	N	1	0	.	.	.	.
Blaine	12/13	3	3	SL	N	2	0	5	1	0	7
Blaine	12/13	3	3	SL	N	0	5	6	1	0	3
Blaine	12/13	3	3	SL	N	1	5	5	1	0	7
Blaine	12/13	3	3	SL	N	2	5	5	1	0	5
Blaine	12/13	3	3	SL	N	0	10	6	3	1	5
Blaine	12/13	3	3	SL	N	1	10	5	1	0	5
Blaine	12/13	3	3	SL	N	2	10	5	2	6	5
Blaine	12/13	3	3	SL	N	0	20	5	1	0	6
Blaine	12/13	3	3	SL	N	1	20	5	2	6	4
Blaine	12/13	3	3	SL	N	2	20	5	1	0	6
Blaine	12/17	3	7	TB	N	0	0	5	1	0	4
Blaine	12/17	3	7	TB	I	0	0	6	1	0	6
Blaine	12/17	3	7	TB	I	1	0	5	1	0	6
Blaine	12/17	3	7	TB	I	2	0	6	2	1	3
Blaine	12/17	3	7	TB	I	0	5	6	1	0	6
Blaine	12/17	3	7	TB	I	1	5	5	1	0	6
Blaine	12/17	3	7	TB	I	2	5	5	1	0	4
Blaine	12/17	3	7	TB	I	0	10	6	1	0	4
Blaine	12/17	3	7	TB	I	2	10	6	1	0	6

Blaine	12/17	3	7	TB	I	0	20	6	1	0 6
Blaine	12/17	3	7	TB	I	1	20	6	1	0 6
Blaine	12/17	3	7	TB	I	2	20	6	1	0 6
Blaine	12/17	3	7	TB	N	1	0	5	1	0 4
Blaine	12/17	3	7	TB	N	2	0	5	1	0 6
Blaine	12/17	3	7	TB	N	0	5	5	4	1 3
Blaine	12/17	3	7	TB	N	1	5	6	1	0 3
Blaine	12/17	3	7	TB	N	2	5	5	3	1 6
Blaine	12/17	3	7	TB	N	0	10	5	1	0 5
Blaine	12/17	3	7	TB	N	1	10	5	2	1 6
Blaine	12/17	3	7	TB	N	2	10	6	3	1 6
Blaine	12/17	3	7	TB	N	0	20	5	1	0 6
Blaine	12/17	3	7	TB	N	1	20	6	1	0 6
Blaine	12/17	3	7	TB	N	2	20	5	1	0 6
Tracey	12/17	3	7	TB	N	0	0	6	2	1 6
Tracey	12/17	3	7	TB	I	0	0	6	5	1 6
Tracey	12/17	3	7	TB	I	1	0	4	2	1 6
Tracey	12/17	3	7	TB	I	2	0	7	4	1 4
Tracey	12/17	3	7	TB	I	0	5	4	4	3 6
Tracey	12/17	3	7	TB	I	1	5	6	4	1 6
Tracey	12/17	3	7	TB	I	2	5	4	3	1 5
Tracey	12/17	3	7	TB	I	0	10	3	3	1 .
Tracey	12/17	3	7	TB	I	1	10	4	3	1 6
Tracey	12/17	3	7	TB	I	2	10	7	2	1 5
Tracey	12/17	3	7	TB	I	0	20	4	2	1 6
Tracey	12/17	3	7	TB	I	1	20	6	1	0 6
Tracey	12/17	3	7	TB	I	2	20	6	3	4 5
Tracey	12/17	3	7	TB	N	1	0	5	3	1 5
Tracey	12/17	3	7	TB	N	2	0	5	1	0 6
Tracey	12/17	3	7	TB	N	0	5	6	5	5 3
Tracey	12/17	3	7	TB	N	1	5	6	2	1 3
Tracey	12/17	3	7	TB	N	2	5	5	4	1 6
Tracey	12/17	3	7	TB	N	0	10	5	2	1 4
Tracey	12/17	3	7	TB	N	1	10	6	3	1 6
Tracey	12/17	3	7	TB	N	2	10	4	5	1 6
Tracey	12/17	3	7	TB	N	0	20	5	4	1 6
Tracey	12/17	3	7	TB	N	1	20	6	5	4 7
Tracey	12/17	3	7	TB	N	2	20	5	2	1 5
Teresa	12/17	3	7	TB	N	0	0	5	3	1 7
Teresa	12/17	3	7	TB	I	0	0	4	2	1 6
Teresa	12/17	3	7	TB	I	1	0	4	3	1 6
Teresa	12/17	3	7	TB	I	2	0	4	4	1 7

Teresa	12/17	3	7	TB	I	0	5	4	4	1	7
Teresa	12/17	3	7	TB	I	1	5	6	3	4	6
Teresa	12/17	3	7	TB	I	2	5	5	2	1	7
Teresa	12/17	3	7	TB	I	0	10	4	4	1	6
Teresa	12/17	3	7	TB	I	1	10	4	3	1	6
Teresa	12/17	3	7	TB	I	2	10	5	2	1	7
Teresa	12/17	3	7	TB	I	0	20	4	1	0	6
Teresa	12/17	3	7	TB	I	1	20	5	2	1	6
Teresa	12/17	3	7	TB	I	2	20	4	1	0	7
Teresa	12/17	3	7	TB	N	1	0	5	1	0	4
Teresa	12/17	3	7	TB	N	2	0	5	1	0	4
Teresa	12/17	3	7	TB	N	0	5	5	4	1	7
Teresa	12/17	3	7	TB	N	1	5	5	2	1	6
Teresa	12/17	3	7	TB	N	2	5	6	4	1	6
Teresa	12/17	3	7	TB	N	0	10	6	1	0	6
Teresa	12/17	3	7	TB	N	1	10	5	2	1	6
Teresa	12/17	3	7	TB	N	2	10	5	3	1	7
Teresa	12/17	3	7	TB	N	0	20	7	3	1	6
Teresa	12/17	3	7	TB	N	1	20	5	3	1	7
Teresa	12/17	3	7	TB	N	2	20	6	1	0	6
Blaine	12/17	3	7	SL	N	0	0	6	1	0	5
Blaine	12/17	3	7	SL	I	0	0	.	.	.	.
Blaine	12/17	3	7	SL	I	1	0	6	2	5	3
Blaine	12/17	3	7	SL	I	2	0	4	1	0	2
Blaine	12/17	3	7	SL	I	0	5	5	1	0	2
Blaine	12/17	3	7	SL	I	1	5	6	2	5	5
Blaine	12/17	3	7	SL	I	2	5	6	2	5	4
Blaine	12/17	3	7	SL	I	0	10	6	2	5	3
Blaine	12/17	3	7	SL	I	1	10	6	2	5	2
Blaine	12/17	3	7	SL	I	2	10	6	1	0	4
Blaine	12/17	3	7	SL	I	0	20	6	1	0	3
Blaine	12/17	3	7	SL	I	1	20	6	1	0	5
Blaine	12/17	3	7	SL	I	2	20	4	2	5	4
Blaine	12/17	3	7	SL	N	1	0	6	1	0	4
Blaine	12/17	3	7	SL	N	2	0	5	1	0	3
Blaine	12/17	3	7	SL	N	0	5	5	1	0	3
Blaine	12/17	3	7	SL	N	1	5	5	1	0	5
Blaine	12/17	3	7	SL	N	2	5	6	2	5	3
Blaine	12/17	3	7	SL	N	0	10	6	1	0	2
Blaine	12/17	3	7	SL	N	1	10	5	2	6	3
Blaine	12/17	3	7	SL	N	2	10	6	1	0	4
Blaine	12/17	3	7	SL	N	0	20	5	1	0	5
Blaine	12/17	3	7	SL	N	1	20	5	1	0	3

Blaine	12/17	3	7	SL	N	2	20	5	1	0	4
Teresa	12/17	3	7	SL	N	0	0	3	1	0	7
Teresa	12/17	3	7	SL	I	0	0	.	.	.	.
Teresa	12/17	3	7	SL	I	1	0	4	2	1	4
Teresa	12/17	3	7	SL	I	2	0	4	3	1	7
Teresa	12/17	3	7	SL	I	0	5	4	1	0	4
Teresa	12/17	3	7	SL	I	1	5	4	2	1	7
Teresa	12/17	3	7	SL	I	2	5	4	3	1	7
Teresa	12/17	3	7	SL	I	0	10	4	2	1	4
Teresa	12/17	3	7	SL	I	1	10	3	3	1	4
Teresa	12/17	3	7	SL	I	2	10	3	2	1	5
Teresa	12/17	3	7	SL	I	0	20	4	1	0	4
Teresa	12/17	3	7	SL	I	1	20	4	3	1	6
Teresa	12/17	3	7	SL	I	2	20	4	2	1	7
Teresa	12/17	3	7	SL	N	1	0	5	3	1	6
Teresa	12/17	3	7	SL	N	2	0	6	1	0	5
Teresa	12/17	3	7	SL	N	0	5	4	2	1	3
Teresa	12/17	3	7	SL	N	1	5	6	1	0	7
Teresa	12/17	3	7	SL	N	2	5	5	1	0	5
Teresa	12/17	3	7	SL	N	0	10	4	1	0	3
Teresa	12/17	3	7	SL	N	1	10	5	2	1	3
Teresa	12/17	3	7	SL	N	2	10	5	1	0	5
Teresa	12/17	3	7	SL	N	0	20	6	1	0	7
Teresa	12/17	3	7	SL	N	1	20	5	3	6	5
Teresa	12/17	3	7	SL	N	2	20	5	3	1	5
Tracey	12/17	3	7	SL	N	0	0	7	1	0	7
Tracey	12/17	3	7	SL	I	0	0	.	.	.	.
Tracey	12/17	3	7	SL	I	1	0	5	3	1	3
Tracey	12/17	3	7	SL	I	2	0	3	2	1	3
Tracey	12/17	3	7	SL	I	0	5	4	1	0	3
Tracey	12/17	3	7	SL	I	1	5	6	2	1	4
Tracey	12/17	3	7	SL	I	2	5	4	2	1	6
Tracey	12/17	3	7	SL	I	0	10	4	3	1	2
Tracey	12/17	3	7	SL	I	1	10	4	3	1	2
Tracey	12/17	3	7	SL	I	2	10	7	2	1	3
Tracey	12/17	3	7	SL	I	0	20	4	1	0	2
Tracey	12/17	3	7	SL	I	1	20	4	3	1	6
Tracey	12/17	3	7	SL	I	2	20	3	2	1	7
Tracey	12/17	3	7	SL	N	1	0	6	1	0	4
Tracey	12/17	3	7	SL	N	2	0	5	5	1	4
Tracey	12/17	3	7	SL	N	0	5	6	2	1	3
Tracey	12/17	3	7	SL	N	1	5	5	1	0	5
Tracey	12/17	3	7	SL	N	2	5	6	1	0	3

Tracey	12/17	3	7	SL	N	0	10	7	1	0 2
Tracey	12/17	3	7	SL	N	1	10	6	3	5 3
Tracey	12/17	3	7	SL	N	2	10	6	1	0 3
Tracey	12/17	3	7	SL	N	0	20	5	1	0 6
Tracey	12/17	3	7	SL	N	1	20	6	3	5 4
Tracey	12/17	3	7	SL	N	2	20	5	1	0 4
Blaine	12/20	3	10	TB	N	0	0	5	1	0 6
Blaine	12/20	3	10	TB	I	0	0	5	1	0 3
Blaine	12/20	3	10	TB	I	1	0	1	7	1 5
Blaine	12/20	3	10	TB	I	2	0	5	4	1 5
Blaine	12/20	3	10	TB	I	0	5	3	3	1 5
Blaine	12/20	3	10	TB	I	1	5	5	1	0 5
Blaine	12/20	3	10	TB	I	2	5	5	1	0 6
Blaine	12/20	3	10	TB	I	0	10	5	1	0 6
Blaine	12/20	3	10	TB	I	1	10	5	4	1 6
Blaine	12/20	3	10	TB	I	2	10	5	1	0 6
Blaine	12/20	3	10	TB	I	0	20	5	1	0 4
Blaine	12/20	3	10	TB	I	1	20	6	2	1 5
Blaine	12/20	3	10	TB	I	2	20	4	2	5 5
Blaine	12/20	3	10	TB	N	1	0	5	3	1 3
Blaine	12/20	3	10	TB	N	2	0	5	3	1 .
Blaine	12/20	3	10	TB	N	0	5	5	1	0 5
Blaine	12/20	3	10	TB	N	1	5	5	3	1 3
Blaine	12/20	3	10	TB	N	2	5	5	3	1 6
Blaine	12/20	3	10	TB	N	0	10	5	2	1 6
Blaine	12/20	3	10	TB	N	1	10	5	3	1 5
Blaine	12/20	3	10	TB	N	2	10	5	3	1 4
Blaine	12/20	3	10	TB	N	0	20	5	5	1 6
Blaine	12/20	3	10	TB	N	1	20	4	1	0 4
Blaine	12/20	3	10	TB	N	2	20	5	1	0 5
Tracey	12/20	3	10	TB	N	0	0	6	4	4 6
Tracey	12/20	3	10	TB	I	0	0	7	3	1 3
Tracey	12/20	3	10	TB	I	1	0	4	3	1 6
Tracey	12/20	3	10	TB	I	2	0	4	3	6 7
Tracey	12/20	3	10	TB	I	0	5	3	3	1 5
Tracey	12/20	3	10	TB	I	1	5	5	4	7 6
Tracey	12/20	3	10	TB	I	2	5	5	1	0 6
Tracey	12/20	3	10	TB	I	0	10	5	2	1 5
Tracey	12/20	3	10	TB	I	1	10	5	4	1 6
Tracey	12/20	3	10	TB	I	2	10	6	1	0 6
Tracey	12/20	3	10	TB	I	0	20	6	1	0 6
Tracey	12/20	3	10	TB	I	1	20	3	3	6 5
Tracey	12/20	3	10	TB	I	2	20	4	2	6 5

Tracey	12/20	3	10	TB	N	1	0	7	2	5	4
Tracey	12/20	3	10	TB	N	2	0	7	4	1	5
Tracey	12/20	3	10	TB	N	0	5	5	1	0	6
Tracey	12/20	3	10	TB	N	1	5	7	3	1	4
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Tracey	12/20	3	10	TB	N	0	10	5	2	1	6
Tracey	12/20	3	10	TB	N	1	10	5	2	1	5
Tracey	12/20	3	10	TB	N	2	10	7	5	1	5
Tracey	12/20	3	10	TB	N	0	20	6	4	1	6
Tracey	12/20	3	10	TB	N	1	20	4	1	0	5
Tracey	12/20	3	10	TB	N	2	20	5	2	1	6
Blaine	12/20	3	10	SL	N	0	0	6	1	0	4
Blaine	12/20	3	10	SL	I	0	0	4	3	1	6
Blaine	12/20	3	10	SL	I	1	0	5	4	1	6
Blaine	12/20	3	10	SL	I	2	0	3	2	4	4
Blaine	12/20	3	10	SL	I	0	5	6	1	0	6
Blaine	12/20	3	10	SL	I	1	5	5	1	0	6
Blaine	12/20	3	10	SL	I	2	5	4	2	5	6
Blaine	12/20	3	10	SL	I	0	10	4	1	0	6
Blaine	12/20	3	10	SL	I	1	10	4	2	5	4
Blaine	12/20	3	10	SL	I	2	10	6	2	7	6
Blaine	12/20	3	10	SL	I	0	20	4	1	0	4
Blaine	12/20	3	10	SL	I	1	20	4	2	4	6
Blaine	12/20	3	10	SL	I	2	20	3	1	0	4
Blaine	12/20	3	10	SL	N	1	0	5	1	0	5
Blaine	12/20	3	10	SL	N	2	0	5	1	0	6
Blaine	12/20	3	10	SL	N	0	5	5	1	0	6
Blaine	12/20	3	10	SL	N	1	5	5	1	0	6
Blaine	12/20	3	10	SL	N	2	5	5	1	0	5
Blaine	12/20	3	10	SL	N	0	10	5	1	0	5
Blaine	12/20	3	10	SL	N	1	10	6	1	0	6
Blaine	12/20	3	10	SL	N	2	10	5	1	0	4
Blaine	12/20	3	10	SL	N	0	20	5	1	0	6
Blaine	12/20	3	10	SL	N	1	20	5	1	0	6
Blaine	12/20	3	10	SL	N	2	20	5	1	0	6
Tracey	12/20	3	10	SL	N	0	0	6	1	0	5
Tracey	12/20	3	10	SL	I	0	0	6	5	1	5
Tracey	12/20	3	10	SL	I	1	0	5	4	1	6
Tracey	12/20	3	10	SL	I	2	0	2	3	4	5
Tracey	12/20	3	10	SL	I	0	5	5	1	0	6
Tracey	12/20	3	10	SL	I	1	5	6	1	0	6
Tracey	12/20	3	10	SL	I	2	5	4	4	5	6
Tracey	12/20	3	10	SL	I	0	10	3	4	2	

Tracey	12/20	3	10	SL	I	1	10	3	3	4	7
Tracey	12/20	3	10	SL	I	2	10	7	4	4	6
Tracey	12/20	3	10	SL	I	0	20	4	2	3	6
Tracey	12/20	3	10	SL	I	1	20	4	3	5	5
Tracey	12/20	3	10	SL	I	2	20	6	3	2	6
Tracey	12/20	3	10	SL	N	1	0	6	1	0	6
Tracey	12/20	3	10	SL	N	2	0	5	1	0	5
Tracey	12/20	3	10	SL	N	0	5	7	2	5	6
Tracey	12/20	3	10	SL	N	1	5	5	2	6	6
Tracey	12/20	3	10	SL	N	2	5	7	1	0	5
Tracey	12/20	3	10	SL	N	0	10	6	1	0	5
Tracey	12/20	3	10	SL	N	1	10	6	1	0	6
Tracey	12/20	3	10	SL	N	2	10	5	1	0	5
Tracey	12/20	3	10	SL	N	0	20	5	4	1	7
Tracey	12/20	3	10	SL	N	1	20	5	1	0	6
Tracey	12/20	3	10	SL	N	2	20	5	2	1	6
Tracey	12/24	3	14	TB	N	0	0	6	4	1	5
Tracey	12/24	3	14	TB	I	0	0	6	4	1	7
Tracey	12/24	3	14	TB	I	1	0	4	6	1	7
Tracey	12/24	3	14	TB	I	2	0	3	6	1	5
Tracey	12/24	3	14	TB	I	0	5	3	1	0	7
Tracey	12/24	3	14	TB	I	1	5	6	2	1	6
Tracey	12/24	3	14	TB	I	2	5	5	6	1	6
Tracey	12/24	3	14	TB	I	0	10	2	6	1	5
Tracey	12/24	3	14	TB	I	1	10	6	6	1	7
Tracey	12/24	3	14	TB	I	2	10	5	5	1	6
Tracey	12/24	3	14	TB	I	0	20	3	6	1	6
Tracey	12/24	3	14	TB	I	1	20	4	5	1	6
Tracey	12/24	3	14	TB	I	2	20	6	6	1	6
Tracey	12/24	3	14	TB	N	1	0	7	5	5	3
Tracey	12/24	3	14	TB	N	2	0	4	4	1	6
Tracey	12/24	3	14	TB	N	0	5	6	3	1	7
Tracey	12/24	3	14	TB	N	1	5	7	2	1	5
Tracey	12/24	3	14	TB	N	2	5	6	4	1	7
Tracey	12/24	3	14	TB	N	0	10	5	3	1	6
Tracey	12/24	3	14	TB	N	1	10	6	4	1	5
Tracey	12/24	3	14	TB	N	2	10	6	5	1	6
Tracey	12/24	3	14	TB	N	0	20	6	3	1	6
Tracey	12/24	3	14	TB	N	1	20	4	3	1	3
Tracey	12/24	3	14	TB	N	2	20	6	5	5	7
Blaine	12/24	3	14	TB	N	0	0	5	5	1	4
Blaine	12/24	3	14	TB	I	0	0	6	5	1	4
Blaine	12/24	3	14	TB	I	1	0	4	1	0	6

Blaine	12/24	3	14	TB	I	2	0	4	5	1	4
Blaine	12/24	3	14	TB	I	0	5	4	2	1	5
Blaine	12/24	3	14	TB	I	1	5	5	1	0	5
Blaine	12/24	3	14	TB	I	2	5	5	5	1	4
Blaine	12/24	3	14	TB	I	0	10	4	4	1	4
Blaine	12/24	3	14	TB	I	1	10	4	3	1	6
Blaine	12/24	3	14	TB	I	2	10	5	4	1	4
Blaine	12/24	3	14	TB	I	0	20	4	5	1	4
Blaine	12/24	3	14	TB	I	1	20	4	2	1	5
Blaine	12/24	3	14	TB	I	2	20	4	4	1	5
Blaine	12/24	3	14	TB	N	1	0	7	3	1	3
Blaine	12/24	3	14	TB	N	2	0	5	5	1	6
Blaine	12/24	3	14	TB	N	0	5	5	5	1	4
Blaine	12/24	3	14	TB	N	1	5	5	3	1	4
Blaine	12/24	3	14	TB	N	2	5	5	4	1	6
Blaine	12/24	3	14	TB	N	0	10	5	3	1	6
Blaine	12/24	3	14	TB	N	1	10	6	5	1	4
Blaine	12/24	3	14	TB	N	2	10	5	5	1	4
Blaine	12/24	3	14	TB	N	0	20	5	5	1	6
Blaine	12/24	3	14	TB	N	1	20	5	5	1	3
Blaine	12/24	3	14	TB	N	2	20	5	1	0	6
Tracey	12/24	3	14	SL	N	0	0	6	3	1	4
Tracey	12/24	3	14	SL	I	0	0	6	6	1	5
Tracey	12/24	3	14	SL	I	1	0	5	5	1	6
Tracey	12/24	3	14	SL	I	2	0	2	4	1	3
Tracey	12/24	3	14	SL	I	0	5	6	4	5	5
Tracey	12/24	3	14	SL	I	1	5	5	2	1	4
Tracey	12/24	3	14	SL	I	2	5	6	3	1	6
Tracey	12/24	3	14	SL	I	0	10	2	3	1	4
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Tracey	12/24	3	14	SL	I	0	20	6	3	4	6
Tracey	12/24	3	14	SL	I	1	20	6	5	1	5
Tracey	12/24	3	14	SL	I	2	20	7	5	2	6
Tracey	12/24	3	14	SL	N	1	0	5	1	0	5
Tracey	12/24	3	14	SL	N	2	0	5	4	1	6
Tracey	12/24	3	14	SL	N	0	5	7	3	5	5
Tracey	12/24	3	14	SL	N	1	5	5	1	0	6
Tracey	12/24	3	14	SL	N	2	5	6	4	1	5
Tracey	12/24	3	14	SL	N	0	10	6	3	4	4
Tracey	12/24	3	14	SL	N	1	10	5	1	0	5
Tracey	12/24	3	14	SL	N	2	10	6	2	5	4
Tracey	12/24	3	14	SL	N	0	20	5	1	0	6

Tracey	12/24	3	14	SL	N	1	20	5	5	1 5
Tracey	12/24	3	14	SL	N	2	20	5	5	1 5
Blaine	12/24	3	14	SL	N	0	0	5	3	1 4
Blaine	12/24	3	14	SL	I	0	0	6	5	1 4
Blaine	12/24	3	14	SL	I	1	0	5	4	1 6
Blaine	12/24	3	14	SL	I	2	0	6	2	5 .
Blaine	12/24	3	14	SL	I	0	5	6	2	5 5
Blaine	12/24	3	14	SL	I	1	5	5	1	0 5
Blaine	12/24	3	14	SL	I	2	5	6	4	1 4
Blaine	12/24	3	14	SL	I	0	10	6	1	0 4
Blaine	12/24	3	14	SL	I	1	10	4	3	7 5
Blaine	12/24	3	14	SL	I	2	10	6	1	0 5
Blaine	12/24	3	14	SL	I	0	20	6	1	0 6
Blaine	12/24	3	14	SL	I	1	20	5	3	1 4
Blaine	12/24	3	14	SL	I	2	20	6	3	5 5
Blaine	12/24	3	14	SL	N	1	0	5	3	1 5
Blaine	12/24	3	14	SL	N	2	0	5	2	1 5
Blaine	12/24	3	14	SL	N	0	5	6	3	5 4
Blaine	12/24	3	14	SL	N	1	5	5	1	0 3
Blaine	12/24	3	14	SL	N	2	5	5	3	1 4
Blaine	12/24	3	14	SL	N	0	10	5	3	1 4
Blaine	12/24	3	14	SL	N	1	10	5	2	1 4
Blaine	12/24	3	14	SL	N	2	10	5	3	1 4
Blaine	12/24	3	14	SL	N	0	20	5	1	0 5
Blaine	12/24	3	14	SL	N	1	20	5	3	0 6
Blaine	12/24	3	14	SL	N	2	20	5	5	1 6

DATE	REP	DAY	MUSCLE	TRMT	BLADE	INJECT	TUMBLE	OXYGEN	CO	SHEAR	PPURGE
10/30	1	1	BF	1	0	N	0	73.3	23.1	2.44	1.20
10/30	1	1	BF	2	0	I	0	73.5	23.4	2.41	1.41
10/30	1	1	BF	3	1	I	0	74.5	23.3	3.28	0.48
10/30	1	1	BF	4	2	I	0	75.0	23.3	2.68	0.14
10/30	1	1	BF	5	0	I	5	74.3	23.5	3.15	1.38
10/30	1	1	BF	6	1	I	5	74.8	23.1	2.55	0.81
10/30	1	1	BF	7	2	I	5	74.2	23.3	2.10	1.60
10/30	1	1	BF	8	0	I	10	74.5	23.4	2.28	0.58
10/30	1	1	BF	9	1	I	10	74.7	23.1	3.38	0.68
10/30	1	1	BF	10	2	I	10	74.8	23.0	2.97	1.04
10/30	1	1	BF	11	0	I	20	75.1	23.2	3.26	0.23
10/30	1	1	BF	12	1	I	20	74.5	23.5	2.86	1.47
10/30	1	1	BF	13	2	I	20	75.1	22.7	2.80	1.15
10/30	1	1	BF	14	1	N	0	74.5	23.6	2.95	2.51
10/30	1	1	BF	15	2	N	0	.	.	.	.
10/30	1	1	BF	16	0	N	5	74.7	23.4	4.95	-0.14
10/30	1	1	BF	17	1	N	5	74.7	23.0	3.48	1.04
10/30	1	1	BF	18	2	N	5	74.8	23.3	3.21	2.05
10/30	1	1	BF	19	0	N	10	74.4	23.7	2.41	1.38
10/30	1	1	BF	20	1	N	10	74.6	23.5	2.74	0.70
10/30	1	1	BF	21	2	N	10	75.1	22.8	3.43	0.69
10/30	1	1	BF	22	0	N	20	74.4	23.7	3.35	0.80
10/30	1	1	BF	23	1	N	20	74.2	23.7	4.09	1.81
10/30	1	1	BF	24	2	N	20	74.7	23.1	3.57	1.26
10/31	2	1	BF	1	0	N	0	74.6	22.9	3.54	2.94
10/31	2	1	BF	2	0	I	0	75.5	22.1	3.64	4.08
10/31	2	1	BF	3	1	I	0	75.2	22.2	3.10	1.69
10/31	2	1	BF	4	2	I	0	75.6	22.1	2.24	0.68
10/31	2	1	BF	5	0	I	5	75.5	21.9	2.87	4.46
10/31	2	1	BF	6	1	I	5	75.0	22.5	2.59	1.69
10/31	2	1	BF	7	2	I	5	75.7	22.0	3.73	2.51
10/31	2	1	BF	8	0	I	10	74.1	23.2	3.43	1.72
10/31	2	1	BF	9	1	I	10	75.7	21.8	3.38	1.85
10/31	2	1	BF	10	2	I	10	75.1	22.6	4.86	2.08
10/31	2	1	BF	11	0	I	20	75.0	22.2	2.70	2.17
10/31	2	1	BF	12	1	I	20	75.4	22.2	3.08	3.07
10/31	2	1	BF	13	2	I	20	75.5	22.4	3.55	3.76
10/31	2	1	BF	14	1	N	0	75.0	22.6	2.86	0.96
10/31	2	1	BF	15	2	N	0	75.6	22.0	4.01	3.90
10/31	2	1	BF	16	0	N	5	75.2	22.5	5.13	4.34

10/31	2	1	BF	17	1	N	5	39.4	9.9	3.32	2.94
10/31	2	1	BF	18	2	N	5	75.0	22.3	2.99	4.22
10/31	2	1	BF	19	0	N	10	74.5	22.5	4.10	-8.44
10/31	2	1	BF	20	1	N	10	75.5	22.2	3.24	3.44
10/31	2	1	BF	21	2	N	10	74.5	23.2	3.13	2.19
10/31	2	1	BF	22	0	N	20	74.2	23.3	3.64	3.73
10/31	2	1	BF	23	1	N	20	75.3	22.4	2.95	2.67
10/31	2	1	BF	24	2	N	20	73.8	22.6	3.37	0.18
11/2	3	1	BF	1	0	N	0	77.3	21.5	4.70	3.42
11/2	3	1	BF	2	0	I	0	77.5	21.4	4.26	5.56
11/2	3	1	BF	3	1	I	0	78.6	20.0	3.04	6.86
11/2	3	1	BF	4	2	I	0	77.9	20.8	3.31	4.51
11/2	3	1	BF	5	0	I	5	77.8	21.1	3.06	6.33
11/2	3	1	BF	6	1	I	5	77.7	21.1	3.75	3.05
11/2	3	1	BF	7	2	I	5	.	.	.	#VALUE!
11/2	3	1	BF	8	0	I	10	77.4	21.5	2.60	6.33
11/2	3	1	BF	9	1	I	10	78.4	19.4	4.17	4.97
11/2	3	1	BF	10	2	I	10	78.8	19.6	3.67	2.99
11/2	3	1	BF	11	0	I	20	77.4	21.3	2.14	3.20
11/2	3	1	BF	12	1	I	20	77.1	21.7	5.05	3.32
11/2	3	1	BF	13	2	I	20	.	.	.	#VALUE!
11/2	3	1	BF	14	1	N	0	77.6	20.9	3.98	1.12
11/2	3	1	BF	15	2	N	0	78.7	19.7	2.68	2.56
11/2	3	1	BF	16	0	N	5	78.6	20.0	2.48	13.32
11/2	3	1	BF	17	1	N	5	77.7	21.0	2.78	6.75
11/2	3	1	BF	18	2	N	5	77.3	21.5	3.05	5.29
11/2	3	1	BF	19	0	N	10	77.2	21.0	3.67	5.57
11/2	3	1	BF	20	1	N	10	72.1	19.3	3.07	2.15
11/2	3	1	BF	21	2	N	10	77.9	21.0	3.14	2.32
11/2	3	1	BF	22	0	N	20	77.1	21.7	3.60	8.96
11/2	3	1	BF	23	1	N	20	77.4	21.5	4.62	6.79
11/2	3	1	BF	24	2	N	20	77.2	21.8	4.52	1.79
10/30	1	1	CT	1	0	N	0	39.3	11.2	4.04	3.30
10/30	1	1	CT	2	0	I	0	74.5	23.3	2.59	0.35
10/30	1	1	CT	3	1	I	0	75.0	23.0	2.71	1.02
10/30	1	1	CT	4	2	I	0	74.4	23.2	2.34	1.19
10/30	1	1	CT	5	0	I	5	74.8	23.1	3.85	3.41
10/30	1	1	CT	6	1	I	5	74.5	23.1	4.13	0.46
10/30	1	1	CT	7	2	I	5	74.1	23.5	3.14	1.19
10/30	1	1	CT	8	0	I	10	74.4	23.5	2.49	-0.62
10/30	1	1	CT	9	1	I	10	74.1	23.4	3.34	-0.61
10/30	1	1	CT	10	2	I	10	74.6	22.8	2.25	1.19
10/30	1	1	CT	11	0	I	20	74.1	23.2	3.27	1.08

10/30	1	1	CT	12	1	I	20	74.0	23.5	2.96	-0.31
10/30	1	1	CT	13	2	I	20	74.2	23.5	2.71	-0.16
10/30	1	1	CT	14	1	N	0	74.6	23.1	2.82	1.67
10/30	1	1	CT	15	2	N	0	74.1	23.6	3.09	0.91
10/30	1	1	CT	16	0	N	5	73.9	23.5	3.43	-1.23
10/30	1	1	CT	17	1	N	5	74.3	23.3	3.53	0.86
10/30	1	1	CT	18	2	N	5	74.8	22.9	4.02	0.69
10/30	1	1	CT	19	0	N	10	74.3	23.4	3.70	-0.52
10/30	1	1	CT	20	1	N	10	74.5	23.3	3.50	0.34
10/30	1	1	CT	21	2	N	10	74.5	23.1	3.02	3.04
10/30	1	1	CT	22	0	N	20	74.4	23.5	4.64	-0.52
10/30	1	1	CT	23	1	N	20	74.3	23.5	4.22	-0.35
10/30	1	1	CT	24	2	N	20	74.3	23.5	2.95	-0.46
10/31	2	1	CT	1	0	N	0	74.4	23.0	4.96	0.35
10/31	2	1	CT	2	0	I	0	74.3	22.4	3.14	2.04
10/31	2	1	CT	3	1	I	0	74.9	22.6	3.09	2.20
10/31	2	1	CT	4	2	I	0	74.4	22.9	4.17	0.39
10/31	2	1	CT	5	0	I	5	74.4	23.2	2.97	1.04
10/31	2	1	CT	6	1	I	5	75.0	22.5	3.92	2.36
10/31	2	1	CT	7	2	I	5	74.8	22.8	4.04	1.04
10/31	2	1	CT	8	0	I	10	74.3	22.4	3.89	1.73
10/31	2	1	CT	9	1	I	10	74.4	23.2	4.64	-5.06
10/31	2	1	CT	10	2	I	10	74.8	22.7	3.07	1.87
10/31	2	1	CT	11	0	I	20	74.7	22.7	4.52	1.20
10/31	2	1	CT	12	1	I	20	74.8	22.7	3.69	1.37
10/31	2	1	CT	13	2	I	20	74.4	22.5	3.30	0.69
10/31	2	1	CT	14	1	N	0	74.3	21.8	4.42	3.16
10/31	2	1	CT	15	2	N	0	20.2	1.6	3.72	0.87
10/31	2	1	CT	16	0	N	5	74.2	23.3	2.69	1.20
10/31	2	1	CT	17	1	N	5	75.3	22.0	3.05	1.54
10/31	2	1	CT	18	2	N	5	74.3	23.0	3.44	0.87
10/31	2	1	CT	19	0	N	10	74.6	23.0	4.88	2.95
10/31	2	1	CT	20	1	N	10	74.8	22.8	2.96	-151.61
10/31	2	1	CT	21	2	N	10	73.1	22.7	5.85	1.38
10/31	2	1	CT	22	0	N	20	74.3	23.2	3.44	0.70
10/31	2	1	CT	23	1	N	20	.	.	.	#VALUE!
10/31	2	1	CT	24	2	N	20	74.4	23.1	3.79	1.56
11/2	3	1	CT	1	0	N	0	20.0	11.3	2.26	4.83
11/2	3	1	CT	2	0	I	0	77.2	21.6	2.93	3.20
11/2	3	1	CT	3	1	I	0	76.8	22.3	2.43	1.09
11/2	3	1	CT	4	2	I	0	77.9	20.9	2.34	1.30
11/2	3	1	CT	5	0	I	5	76.9	22.0	3.18	1.79
11/2	3	1	CT	6	1	I	5	76.8	21.9	2.68	2.98

11/2	3	1	CT	7	2	I	5	76.8	21.7	3.52	0.94
11/2	3	1	CT	8	0	I	10	.	.	.	#VALUE!
11/2	3	1	CT	9	1	I	10	76.9	22.1	2.33	2.18
11/2	3	1	CT	10	2	I	10	77.7	21.3	2.48	3.50
11/2	3	1	CT	11	0	I	20	.	.	.	#VALUE!
11/2	3	1	CT	12	1	I	20	77.0	21.8	3.32	2.82
11/2	3	1	CT	13	2	I	20	77.0	21.6	2.86	2.38
11/2	3	1	CT	14	1	N	0	76.8	21.8	3.96	1.23
11/2	3	1	CT	15	2	N	0	76.3	22.4	3.35	3.55
11/2	3	1	CT	16	0	N	5	76.4	21.9	2.67	3.74
11/2	3	1	CT	17	1	N	5	76.5	22.0	3.01	3.21
11/2	3	1	CT	18	2	N	5	77.1	21.7	3.83	1.85
11/2	3	1	CT	19	0	N	10	.	.	.	#VALUE!
11/2	3	1	CT	20	1	N	10	77.2	21.4	3.71	1.11
11/2	3	1	CT	21	2	N	10	76.7	22.4	2.89	2.92
11/2	3	1	CT	22	0	N	20	76.5	22.5	4.12	4.18
11/2	3	1	CT	23	1	N	20	76.5	22.1	2.95	1.43
11/2	3	1	CT	24	2	N	20	76.8	21.5	2.99	1.41
11/1	1	3	CT	1	0	N	0	74.6	23.6	3.81	0.00
11/1	1	3	CT	2	0	I	0	75.0	22.9	3.33	-0.46
11/1	1	3	CT	3	1	I	0	74.9	23.2	3.47	-0.77
11/1	1	3	CT	4	2	I	0	74.9	23.1	3.39	-1.04
11/1	1	3	CT	5	0	I	5	74.5	23.5	5.91	0.00
11/1	1	3	CT	6	1	I	5	74.8	23.2	4.75	0.41
11/1	1	3	CT	7	2	I	5	70.8	14.1	3.15	0.52
11/1	1	3	CT	8	0	I	10	74.7	23.3	3.79	0.46
11/1	1	3	CT	9	1	I	10	75.0	23.0	7.28	-0.68
11/1	1	3	CT	10	2	I	10	75.6	22.5	4.06	0.34
11/1	1	3	CT	11	0	I	20	75.0	23.0	3.66	-2.34
11/1	1	3	CT	12	1	I	20	74.7	23.3	4.99	0.35
11/1	1	3	CT	13	2	I	20	75.0	23.1	3.27	-1.87
11/1	1	3	CT	14	1	N	0	74.2	23.9	5.36	-0.62
11/1	1	3	CT	15	2	N	0	74.9	23.1	4.60	0.17
11/1	1	3	CT	16	0	N	5	74.3	23.7	4.49	0.34
11/2	1	3	CT	17	1	N	5	.	.	.	#VALUE!
11/1	1	3	CT	18	2	N	5	74.6	23.3	3.59	-0.92
11/1	1	3	CT	19	0	N	10	74.2	23.6	3.77	0.34
11/1	1	3	CT	20	1	N	10	74.5	23.3	5.28	-1.72
11/1	1	3	CT	21	2	N	10	74.3	23.4	3.29	-0.17
11/1	1	3	CT	22	0	N	20	74.3	23.7	2.35	-0.70
11/1	1	3	CT	23	1	N	20	74.4	23.5	4.39	-0.35
11/1	1	3	CT	24	2	N	20	23.8	70.0	5.03	0.00
11/1	1	3	BF	1	0	N	0	73.9	23.8	3.18	2.44

11/1	1	3	BF	2	0	I	0	74.8	23.4	2.56	1.66
11/1	1	3	BF	3	1	I	0	74.6	23.6	3.45	1.65
11/1	1	3	BF	4	2	I	0	75.3	22.8	3.11	1.07
11/1	1	3	BF	5	0	I	5	74.9	23.3	3.07	0.94
11/1	1	3	BF	6	1	I	5	75.2	22.8	3.81	1.86
11/1	1	3	BF	7	2	I	5	75.0	22.8	3.34	0.41
11/1	1	3	BF	8	0	I	10	75.1	22.5	3.58	3.38
11/1	1	3	BF	9	1	I	10	75.4	22.6	2.78	0.14
11/1	1	3	BF	10	2	I	10	.	.	.	#VALUE!
11/1	1	3	BF	11	0	I	20	75.3	22.5	3.10	1.83
11/1	1	3	BF	12	1	I	20	74.9	22.9	3.10	0.23
11/1	1	3	BF	13	2	I	20	75.3	22.5	3.68	0.94
11/1	1	3	BF	14	1	N	0	73.8	23.8	3.56	1.84
11/1	1	3	BF	15	2	N	0	74.9	22.8	4.32	-0.12
11/1	1	3	BF	16	0	N	5	74.9	23.0	5.51	0.54
11/1	1	3	BF	17	1	N	5	75.2	22.5	4.09	0.68
11/1	1	3	BF	18	2	N	5	74.9	22.9	3.04	-0.14
11/1	1	3	BF	19	0	N	10	74.5	23.1	3.52	0.00
11/1	1	3	BF	20	1	N	10	20.8	7.2	2.96	0.14
11/1	1	3	BF	21	2	N	10	74.0	23.0	2.77	0.93
11/1	1	3	BF	22	0	N	20	74.2	23.5	2.63	-0.23
11/1	1	3	BF	23	1	N	20	74.1	23.4	3.89	2.25
11/1	1	3	BF	24	2	N	20	74.6	23.1	2.69	0.41
11/2	2	3	CT	1	0	I	0	74.5	23.7	3.51	2.83
11/2	2	3	CT	2	0	I	0	74.5	23.7	3.61	0.79
11/2	2	3	CT	3	1	I	0	23.8	3.8	3.95	0.79
11/2	2	3	CT	4	2	I	0	74.2	23.5	3.30	1.17
11/2	2	3	CT	5	0	I	5	74.7	23.6	4.54	0.60
11/2	2	3	CT	6	1	I	5	74.9	23.4	3.70	0.17
11/2	2	3	CT	7	2	I	5	50.4	16.7	2.72	0.53
11/2	2	3	CT	8	0	I	10	74.5	23.6	3.05	0.60
11/2	2	3	CT	9	1	I	10	74.9	23.3	3.70	2.30
11/2	2	3	CT	10	2	I	10	74.3	23.5	4.42	0.59
11/2	2	3	CT	11	0	I	20	74.2	23.9	4.68	0.40
11/2	2	3	CT	12	1	I	20	53.6	17.7	3.72	1.18
11/2	2	3	CT	13	2	I	20	74.5	22.7	3.25	0.98
11/2	2	3	CT	14	1	N	0	75.1	23.0	5.13	0.79
11/2	2	3	CT	15	2	N	0	75.1	23.5	5.39	1.37
11/2	2	3	CT	16	0	N	5	74.7	23.6	3.32	0.87
11/2	2	3	CT	17	1	N	5	.	.	.	#VALUE!
11/2	2	3	CT	18	2	N	5	74.2	24.1	3.13	0.70
11/2	2	3	CT	19	0	N	10	74.7	23.7	5.35	1.34
11/2	2	3	CT	20	1	N	10	75.2	22.9	3.43	0.78

11/2	2	3	CT	21	2	N	10	74.7	23.6	3.81	0.40
11/2	2	3	CT	22	0	N	20	75.2	23.1	2.56	0.70
11/2	2	3	CT	23	1	N	20	75.2	22.8	3.22	1.92
11/2	2	3	CT	24	2	N	20	74.4	23.4	2.99	0.99
11/2	2	3	BF	1	0	N	0	74.4	23.3	2.82	0.97
11/2	2	3	BF	2	0	I	0	75.8	22.3	5.77	1.54
11/2	2	3	BF	3	1	I	0	75.1	23.1	2.80	31.73
11/2	2	3	BF	4	2	I	0	75.1	23.0	2.82	4.14
11/2	2	3	BF	5	0	I	5	76.1	21.7	2.92	4.33
11/2	2	3	BF	6	1	I	5	74.9	23.1	3.16	0.86
11/2	2	3	BF	7	2	I	5	75.8	22.3	3.31	1.15
11/2	2	3	BF	8	0	I	10	75.1	23.3	2.61	2.95
11/2	2	3	BF	9	1	I	10	76.5	21.6	2.77	3.14
11/2	2	3	BF	10	2	I	10	75.5	22.8	2.57	0.98
11/2	2	3	BF	11	0	I	20	75.8	22.4	3.65	1.19
11/2	2	3	BF	12	1	I	20	75.7	22.4	2.78	0.97
11/2	2	3	BF	13	2	I	20	75.5	22.6	3.42	2.62
11/2	2	3	BF	14	1	N	0	75.0	23.2	3.26	2.65
11/2	2	3	BF	15	2	N	0	74.8	23.3	2.98	0.76
11/2	2	3	BF	16	0	N	5	72.6	25.6	3.55	6.03
11/2	2	3	BF	17	1	N	5	75.4	22.6	3.37	4.20
11/2	2	3	BF	18	2	N	5	75.4	22.7	3.35	1.53
11/2	2	3	BF	19	0	N	10	75.0	23.0	3.85	9.78
11/2	2	3	BF	20	1	N	10	76.1	22.0	2.92	0.78
11/2	2	3	BF	21	2	N	10	74.5	23.7	3.79	2.65
11/2	2	3	BF	22	0	N	20	74.2	23.9	4.17	4.66
11/2	2	3	BF	23	1	N	20	75.5	22.3	3.09	4.14
11/2	2	3	BF	24	2	N	20	75.5	22.8	3.84	3.14
11/4	3	3	BF	1	0	N	0	20.5	1.5	3.16	4.73
11/4	3	3	BF	2	0	I	0	78.3	18.4	2.59	1.96
11/4	3	3	BF	3	1	I	0	72.5	16.7	2.38	3.21
11/4	3	3	BF	4	2	I	0	78.3	20.8	2.50	4.85
11/4	3	3	BF	5	0	I	5	77.3	20.8	3.43	1.74
11/4	3	3	BF	6	1	I	5	78.2	18.8	3.68	9.67
11/4	3	3	BF	7	2	I	5	.	.	.	#VALUE!
11/4	3	3	BF	8	0	I	10	73.5	17.4	2.89	2.70
11/4	3	3	BF	9	1	I	10	78.5	18.5	2.34	0.91
11/4	3	3	BF	10	2	I	10	.	.	.	#VALUE!
11/4	3	3	BF	11	0	I	20	71.5	18.4	2.79	0.40
11/4	3	3	BF	12	1	I	20	.	.	.	#VALUE!
11/4	3	3	BF	13	2	I	20	78.8	18.6	3.19	3.45
11/4	3	3	BF	14	1	N	0	55.8	14.2	3.16	5.59
11/4	3	3	BF	15	2	N	0	77.3	19.9	2.68	3.07

11/4	3	3	BF	16	0	N	5	76.9	20.4	4.14	3.24
11/4	3	3	BF	17	1	N	5	77.1	20.4	3.80	1.73
11/4	3	3	BF	18	2	N	5	72.6	18.4	2.65	2.90
11/4	3	3	BF	19	0	N	10	77.9	19.9	3.84	1.77
11/4	3	3	BF	20	1	N	10	73.9	19.2	3.19	4.10
11/4	3	3	BF	21	2	N	10	76.8	20.8	2.52	5.13
11/4	3	3	BF	22	0	N	20	73.1	20.4	2.90	0.72
11/4	3	3	BF	23	1	N	20	77.1	20.4	2.89	2.33
11/4	3	3	BF	24	2	N	20	77.7	19.8	6.60	1.20
11/5	1	7	BF	1	0	N	0	74.0	23.4		5.66
11/5	1	7	BF	2	0	I	0	75.5	22.8		2.95
11/5	1	7	BF	3	1	I	0	20.6	1.6		7.65
11/5	1	7	BF	4	2	I	0	76.1	22.2		4.07
11/5	1	7	BF	5	0	I	5	76.4	21.1		4.41
11/5	1	7	BF	6	1	I	5	76.1	22.1		4.85
11/5	1	7	BF	7	2	I	5	75.5	21.7		4.19
11/5	1	7	BF	8	0	I	10	76.0	22.2		7.02
11/5	1	7	BF	9	1	I	10	76.6	21.7		0.54
11/5	1	7	BF	10	2	I	10	76.7	21.4		1.98
11/5	1	7	BF	11	0	I	20	76.5	21.6		4.66
11/5	1	7	BF	12	1	I	20	75.7	22.5		2.50
11/5	1	7	BF	13	2	I	20	77.1	21.1		2.62
11/5	1	7	BF	14	1	N	0	75.7	22.7		2.51
11/5	1	7	BF	15	2	N	0	75.6	22.8		0.82
11/5	1	7	BF	16	0	N	5	75.6	22.3		2.98
11/5	1	7	BF	17	1	N	5	75.2	22.8		3.19
11/5	1	7	BF	18	2	N	5	75.5	22.6		2.24
11/5	1	7	BF	19	0	N	10	20.5	2.1		2.90
11/5	1	7	BF	20	1	N	10	76.0	22.2		1.49
11/5	1	7	BF	21	2	N	10	74.6	22.6		2.64
11/5	1	7	BF	22	0	N	20	75.6	22.7		3.14
11/5	1	7	BF	23	1	N	20	75.3	22.8		2.60
11/5	1	7	BF	24	2	N	20	75.3	23.0		2.48
11/5	1	7	CT	1	0	N	0	75.0	23.2		-0.31
11/5	1	7	CT	2	0	I	0	74.7	23.3		0.53
11/5	1	7	CT	3	1	I	0	74.7	23.3		0.87
11/5	1	7	CT	4	2	I	0	74.7	23.2		1.03
11/5	1	7	CT	5	0	I	5	75.2	22.9		0.62
11/5	1	7	CT	6	1	I	5	74.5	23.1		0.76
11/5	1	7	CT	7	2	I	5	74.8	23.1		0.34
11/5	1	7	CT	8	0	I	10	74.6	23.4		0.17
11/5	1	7	CT	9	1	I	10	75.0	23.0		-0.12
11/5	1	7	CT	10	2	I	10	74.2	23.9		0.35

11/5	1	7	CT	11	0	I	20	74.9	22.8	0.95
11/5	1	7	CT	12	1	I	20	75.3	22.9	1.04
11/5	1	7	CT	13	2	I	20	75.1	23.0	0.86
11/5	1	7	CT	14	1	N	0	74.5	23.7	0.77
11/5	1	7	CT	15	2	N	0	74.5	23.4	0.35
11/5	1	7	CT	16	0	N	5	74.7	23.5	0.86
11/5	1	7	CT	17	1	N	5	74.9	23.3	0.86
11/5	1	7	CT	18	2	N	5	75.2	22.7	1.19
11/5	1	7	CT	19	0	N	10	75.4	22.7	-0.17
11/5	1	7	CT	20	1	N	10	75.1	22.9	0.52
11/5	1	7	CT	21	2	N	10	74.7	23.2	1.37
11/5	1	7	CT	22	0	N	20	74.0	24.2	0.82
11/5	1	7	CT	23	1	N	20	74.8	23.2	0.00
11/5	1	7	CT	24	2	N	20	74.5	23.6	0.00
11/8	1	10	BF	1	0	N	0	74.8	22.2	3.89
11/8	1	10	BF	2	0	I	0	75.1	21.5	1.76
11/8	1	10	BF	3	1	I	0	75.6	21.1	4.18
11/8	1	10	BF	4	2	I	0	17.5	9.3	1.77
11/8	1	10	BF	5	0	I	5	76.2	20.1	0.27
11/8	1	10	BF	6	1	I	5	76.5	20.3	1.32
11/8	1	10	BF	7	2	I	5	75.3	21.3	0.79
11/8	1	10	BF	8	0	I	10	75.9	20.6	3.64
11/8	1	10	BF	9	1	I	10	76.0	20.7	1.58
11/8	1	10	BF	10	2	I	10	76.3	20.3	1.46
11/8	1	10	BF	11	0	I	20	.	.	#VALUE!
11/8	1	10	BF	12	1	I	20	74.4	22.1	-0.11
11/8	1	10	BF	13	2	I	20	76.6	20.2	2.48
11/8	1	10	BF	14	1	N	0	74.4	22.3	4.17
11/8	1	10	BF	15	2	N	0	74.9	21.6	1.46
11/8	1	10	BF	16	0	N	5	75.3	21.1	2.23
11/8	1	10	BF	17	1	N	5	75.4	21.6	0.81
11/8	1	10	BF	18	2	N	5	75.4	21.2	1.68
11/8	1	10	BF	19	0	N	10	75.5	21.1	2.82
11/8	1	10	BF	20	1	N	10	75.0	21.6	0.00
11/8	1	10	BF	21	2	N	10	75.3	21.3	3.56
11/8	1	10	BF	22	0	N	20	19.6	1.8	2.34
11/8	1	10	BF	23	1	N	20	75.1	21.4	1.71
11/8	1	10	BF	24	2	N	20	75.0	22.0	1.83
11/8	1	10	CT	1	0	N	0	75.0	22.1	0.68
11/8	1	10	CT	2	0	I	0	.	.	#VALUE!
11/8	1	10	CT	3	1	I	0	74.7	22.2	0.31
11/8	1	10	CT	4	2	I	0	75.4	21.7	1.03
11/8	1	10	CT	5	0	I	5	74.0	22.9	-0.92

11/8	1	10	CT	6	1	I	5	75.2	21.8	0.00
11/8	1	10	CT	7	2	I	5	73.9	23.0	-0.46
11/8	1	10	CT	8	0	I	10	74.4	22.4	-0.77
11/8	1	10	CT	9	1	I	10	74.8	22.1	-0.68
11/8	1	10	CT	10	2	I	10	75.7	21.1	1.36
11/8	1	10	CT	11	0	I	20	74.6	21.7	0.52
11/8	1	10	CT	12	1	I	20	74.3	22.8	0.15
11/8	1	10	CT	13	2	I	20	75.2	21.8	0.00
11/8	1	10	CT	14	1	N	0	74.2	22.9	0.34
11/8	1	10	CT	15	2	N	0	74.1	23.0	0.00
11/8	1	10	CT	16	0	N	5	74.1	22.4	-0.62
11/8	1	10	CT	17	1	N	5	75.3	22.0	0.60
11/8	1	10	CT	18	2	N	5	74.3	22.6	0.15
11/8	1	10	CT	19	0	N	10	74.6	22.7	0.17
11/8	1	10	CT	20	1	N	10	74.8	22.2	-0.51
11/8	1	10	CT	21	2	N	10	74.5	22.5	-0.60
11/8	1	10	CT	22	0	N	20	73.8	23.3	0.17
11/8	1	10	CT	23	1	N	20	75.0	22.0	0.52
11/8	1	10	CT	24	2	N	20	73.8	23.2	0.81
11/12	1	14	BF	1	0	N	0	76.1	21.3	0.56
11/12	1	14	BF	2	0	I	0	20.5	1.2	1.91
11/12	1	14	BF	3	1	I	0	75.5	21.6	3.70
11/12	1	14	BF	4	2	I	0	75.8	22.9	0.00
11/12	1	14	BF	5	0	I	5	73.8	22.9	0.81
11/12	1	14	BF	6	1	I	5	76.1	21.0	2.08
11/12	1	14	BF	7	2	I	5	77.1	19.9	-0.14
11/12	1	14	BF	8	0	I	10	76.6	20.2	3.88
11/12	1	14	BF	9	1	I	10	76.1	21.4	1.08
11/12	1	14	BF	10	2	I	10	.	.	#VALUE!
11/12	1	14	BF	11	0	I	20	76.4	20.5	6.38
11/12	1	14	BF	12	1	I	20	76.6	21.1	1.24
11/12	1	14	BF	13	2	I	20	76.6	20.6	1.59
11/12	1	14	BF	14	1	N	0	75.2	21.7	0.69
11/12	1	14	BF	15	2	N	0	76.1	21.1	1.19
11/12	1	14	BF	16	0	N	5	76.1	21.1	-10.10
11/12	1	14	BF	17	1	N	5	75.7	21.8	0.34
11/12	1	14	BF	18	2	N	5	74.8	21.3	1.89
11/12	1	14	BF	19	0	N	10	75.5	21.6	1.91
11/12	1	14	BF	20	1	N	10	75.0	21.5	1.21
11/12	1	14	BF	21	2	N	10	16.3	7.1	1.48
11/12	1	14	BF	22	0	N	20	75.9	21.5	-0.47
11/12	1	14	BF	23	1	N	20	74.6	22.6	0.67
11/12	1	14	BF	24	2	N	20	.	.	#VALUE!

11/12	1	14	CT	1	0	N	0	74.4	22.2	-0.47
11/12	1	14	CT	2	0	I	0	75.0	22.5	32.20
11/12	1	14	CT	3	1	I	0	75.6	22.0	-0.61
11/12	1	14	CT	4	2	I	0	75.3	21.9	-0.30
11/12	1	14	CT	5	0	I	5	74.1	23.4	0.34
11/12	1	14	CT	6	1	I	5	75.9	21.9	-0.35
11/12	1	14	CT	7	2	I	5	74.8	22.8	0.00
11/12	1	14	CT	8	0	I	10	18.9	3.4	-0.35
11/12	1	14	CT	9	1	I	10	75.7	21.9	1.02
11/12	1	14	CT	10	2	I	10	75.3	21.9	-0.87
11/12	1	14	CT	11	0	I	20	75.4	22.0	-0.13
11/12	1	14	CT	12	1	I	20	74.5	22.9	-0.35
11/12	1	14	CT	13	2	I	20	74.4	23.0	0.68
11/12	1	14	CT	14	1	N	0	74.9	22.7	-0.27
11/12	1	14	CT	15	2	N	0	74.4	22.9	0.58
11/12	1	14	CT	16	0	N	5	75.2	22.2	-0.30
11/12	1	14	CT	17	1	N	5	75.1	22.4	0.00
11/12	1	14	CT	18	2	N	5	74.6	22.9	0.00
11/12	1	14	CT	19	0	N	10	74.3	23.2	-9.85
11/12	1	14	CT	20	1	N	10	.	.	#VALUE!
11/12	1	14	CT	21	2	N	10	75.5	21.7	0.34
11/12	1	14	CT	22	0	N	20	73.6	23.6	-0.34
11/12	1	14	CT	23	1	N	20	74.5	23.0	-1.22
11/12	1	14	CT	24	2	N	20	74.3	23.1	0.60
11/6	2	7	BF	1	0	N	0	74.8	23.1	4.26
11/6	2	7	BF	2	0	I	0	76.2	21.6	4.18
11/6	2	7	BF	3	1	I	0	76.7	21.0	4.33
11/6	2	7	BF	4	2	I	0	76.2	21.8	0.75
11/6	2	7	BF	5	0	I	5	76.2	21.3	2.68
11/6	2	7	BF	6	1	I	5	75.2	22.4	0.00
11/6	2	7	BF	7	2	I	5	76.1	22.6	2.44
11/6	2	7	BF	8	0	I	10	75.0	22.8	1.70
11/6	2	7	BF	9	1	I	10	77.2	20.0	6.41
11/6	2	7	BF	10	2	I	10	75.6	22.2	3.15
11/6	2	7	BF	11	0	I	20	76.2	21.2	5.34
11/6	2	7	BF	12	1	I	20	76.2	21.8	2.27
11/6	2	7	BF	13	2	I	20	75.7	21.6	0.51
11/6	2	7	BF	14	1	N	0	75.9	21.7	1.90
11/6	2	7	BF	15	2	N	0	75.2	22.5	5.00
11/6	2	7	BF	16	0	N	5	72.5	24.9	8.49
11/6	2	7	BF	17	1	N	5	76.8	20.7	2.49
11/6	2	7	BF	18	2	N	5	76.1	21.6	1.03
11/6	2	7	BF	19	0	N	10	74.5	23.0	7.27

11/6	2	7	BF	20	1	N	10	75.9	21.5	2.79
11/6	2	7	BF	21	2	N	10	74.9	22.7	-7.95
11/6	2	7	BF	22	0	N	20	75.8	21.8	0.57
11/6	2	7	BF	23	1	N	20	76.3	21.3	1.13
11/6	2	7	BF	24	2	N	20	75.6	22.0	0.75
11/6	2	7	CT	1	0	N	0	74.1	23.8	1.15
11/6	2	7	CT	2	0	I	0	74.0	23.9	1.16
11/6	2	7	CT	3	1	I	0	75.1	22.6	0.58
11/6	2	7	CT	4	2	I	0	74.4	23.3	2.30
11/6	2	7	CT	5	0	I	5	74.4	23.2	-0.71
11/6	2	7	CT	6	1	I	5	75.0	23.1	1.36
11/6	2	7	CT	7	2	I	5	74.7	23.1	0.17
11/6	2	7	CT	8	0	I	10	74.5	23.1	0.98
11/6	2	7	CT	9	1	I	10	74.5	23.2	0.96
11/6	2	7	CT	10	2	I	10	75.0	23.2	1.35
11/6	2	7	CT	11	0	I	20	73.9	24.0	1.36
11/6	2	7	CT	12	1	I	20	74.8	23.0	1.38
11/6	2	7	CT	13	2	I	20	75.0	22.7	0.39
11/6	2	7	CT	14	1	N	0	74.3	23.2	-0.52
11/6	2	7	CT	15	2	N	0	74.0	23.7	1.20
11/6	2	7	CT	16	0	N	5	73.9	23.9	1.35
11/6	2	7	CT	17	1	N	5	74.5	23.3	0.97
11/6	2	7	CT	18	2	N	5	73.2	24.2	1.76
11/6	2	7	CT	19	0	N	10	73.8	23.6	2.10
11/6	2	7	CT	20	1	N	10	74.3	23.1	-0.17
11/6	2	7	CT	21	2	N	10	74.6	23.2	1.03
11/6	2	7	CT	22	0	N	20	74.0	23.7	0.86
11/6	2	7	CT	23	1	N	20	74.4	22.9	2.03
11/6	2	7	CT	24	2	N	20	74.4	22.9	0.79
11/9	2	10	CT	1	0	N	0	74.3	22.9	1.72
11/9	2	10	CT	2	0	I	0	74.9	23.2	1.18
11/9	2	10	CT	3	1	I	0	75.1	22.6	1.37
11/9	2	10	CT	4	2	I	0	74.8	22.8	0.79
11/9	2	10	CT	5	0	I	5	74.8	22.8	1.18
11/9	2	10	CT	6	1	I	5	75.4	22.5	1.04
11/9	2	10	CT	7	2	I	5	75.8	21.8	1.72
11/9	2	10	CT	8	0	I	10	73.0	22.9	1.04
11/9	2	10	CT	9	1	I	10	75.4	22.3	1.04
11/9	2	10	CT	10	2	I	10	74.9	21.9	1.54
11/9	2	10	CT	11	0	I	20	73.9	23.9	1.18
11/9	2	10	CT	12	1	I	20	75.1	22.5	1.39
11/9	2	10	CT	13	2	I	20	75.5	22.2	44.92
11/9	2	10	CT	14	1	N	0	74.5	23.4	1.40

11/9	2	10	CT	15	2	N	0	74.6	23.3	1.18
11/9	2	10	CT	16	0	N	5	73.8	23.8	1.91
11/9	2	10	CT	17	1	N	5	73.1	24.7	2.80
11/9	2	10	CT	18	2	N	5	73.0	25.0	1.56
11/9	2	10	CT	19	0	N	10	75.4	22.6	1.74
11/9	2	10	CT	20	1	N	10	75.1	22.5	1.73
11/9	2	10	CT	21	2	N	10	74.5	23.1	1.92
11/9	2	10	CT	22	0	N	20	73.9	23.6	1.92
11/9	2	10	CT	23	1	N	20	74.7	22.8	4.22
11/9	2	10	CT	24	2	N	20	75.0	22.5	1.37
11/9	2	10	BF	1	0	N	0	73.0	24.1	3.00
11/9	2	10	BF	2	0	I	0	.	.	#VALUE!
11/9	2	10	BF	3	1	I	0	75.3	21.6	3.68
11/9	2	10	BF	4	2	I	0	75.7	21.6	5.05
11/9	2	10	BF	5	0	I	5	76.0	21.2	3.35
11/9	2	10	BF	6	1	I	5	74.6	22.6	3.14
11/9	2	10	BF	7	2	I	5	76.0	21.3	1.34
11/9	2	10	BF	8	0	I	10	74.3	23.1	2.61
11/9	2	10	BF	9	1	I	10	75.6	20.9	3.52
11/9	2	10	BF	10	2	I	10	74.9	22.3	1.16
11/9	2	10	BF	11	0	I	20	76.3	20.9	5.28
11/9	2	10	BF	12	1	I	20	74.9	22.3	0.87
11/9	2	10	BF	13	2	I	20	74.4	22.7	2.05
11/9	2	10	BF	14	1	N	0	74.7	22.4	4.35
11/9	2	10	BF	15	2	N	0	74.9	21.9	3.87
11/9	2	10	BF	16	0	N	5	72.4	24.6	7.29
11/9	2	10	BF	17	1	N	5	75.2	21.7	7.86
11/9	2	10	BF	18	2	N	5	75.2	21.9	2.96
11/9	2	10	BF	19	0	N	10	74.4	22.8	4.36
11/9	2	10	BF	20	1	N	10	76.1	21.0	5.02
11/9	2	10	BF	21	2	N	10	75.3	21.9	2.11
11/9	2	10	BF	22	0	N	20	73.9	23.1	7.99
11/9	2	10	BF	23	1	N	20	75.6	21.2	5.05
11/9	2	10	BF	24	2	N	20	75.7	21.4	2.12
11/13	2	14	BF	1	0	N	0	73.1	22.9	8.99
11/13	2	14	BF	2	0	I	0	74.3	22.2	3.68
11/13	2	14	BF	3	1	I	0	76.0	20.5	0.96
11/13	2	14	BF	4	2	I	0	74.7	21.9	5.13
11/13	2	14	BF	5	0	I	5	75.6	21.2	3.12
11/13	2	14	BF	6	1	I	5	75.6	21.2	0.77
11/13	2	14	BF	7	2	I	5	76.1	20.9	2.09
11/13	2	14	BF	8	0	I	10	74.0	22.1	0.85
11/13	2	14	BF	9	1	I	10	74.4	22.4	1.70

11/13	2	14	BF	10	2	I	10	74.9	21.9	0.77
11/13	2	14	BF	11	0	I	20	75.2	21.4	1.33
11/13	2	14	BF	12	1	I	20	75.5	20.9	0.77
11/13	2	14	BF	13	2	I	20	73.6	23.1	0.97
11/13	2	14	BF	14	1	N	0	74.8	21.9	3.27
11/13	2	14	BF	15	2	N	0	74.9	21.8	3.64
11/13	2	14	BF	16	0	N	5	72.1	24.1	7.57
11/13	2	14	BF	17	1	N	5	74.6	22.1	5.88
11/13	2	14	BF	18	2	N	5	75.8	21.0	3.43
11/13	2	14	BF	19	0	N	10	72.8	23.6	6.38
11/13	2	14	BF	20	1	N	10	75.1	21.6	4.77
11/13	2	14	BF	21	2	N	10	75.4	21.4	3.82
11/13	2	14	BF	22	0	N	20	73.1	23.7	6.68
11/13	2	14	BF	23	1	N	20	73.0	22.3	6.68
11/13	2	14	BF	24	2	N	20	75.5	20.8	4.79
11/13	2	14	CT	1	0	N	0	74.4	22.2	13.75
11/13	2	14	CT	2	0	I	0	73.8	22.1	0.78
11/13	2	14	CT	3	1	I	0	74.6	22.1	1.37
11/13	2	14	CT	4	2	I	0	74.7	22.2	0.20
11/13	2	14	CT	5	0	I	5	73.9	23.1	0.00
11/13	2	14	CT	6	1	I	5	74.1	22.8	1.20
11/13	2	14	CT	7	2	I	5	74.2	22.8	1.93
11/13	2	14	CT	8	0	I	10	72.4	23.8	0.70
11/13	2	14	CT	9	1	I	10	75.1	21.5	0.40
11/13	2	14	CT	10	2	I	10	74.2	22.6	0.86
11/13	2	14	CT	11	0	I	20	74.2	22.3	0.35
11/13	2	14	CT	12	1	I	20	74.6	22.1	0.35
11/13	2	14	CT	13	2	I	20	74.4	22.4	1.35
11/13	2	14	CT	14	1	N	0	74.8	21.9	-0.60
11/13	2	14	CT	15	2	N	0	73.3	23.5	1.74
11/13	2	14	CT	16	0	N	5	73.4	23.3	1.03
11/13	2	14	CT	17	1	N	5	65.0	32.5	2.36
11/13	2	14	CT	18	2	N	5	70.7	26.4	1.72
11/13	2	14	CT	19	0	N	10	73.2	23.7	1.35
11/13	2	14	CT	20	1	N	10	73.8	23.0	1.16
11/13	2	14	CT	21	2	N	10	73.6	23.2	0.69
11/13	2	14	CT	22	0	N	20	73.6	23.2	1.54
11/13	2	14	CT	23	1	N	20	74.0	22.8	1.74
11/13	2	14	CT	24	2	N	20	73.9	22.8	0.78
11/4	3	3	CT	1	0	N	0	74.9	22.3	1.20
11/4	3	3	CT	2	0	I	0	.	.	#VALUE!
11/4	3	3	CT	3	1	I	0	76.2	21.6	0.61
11/4	3	3	CT	4	2	I	0	.	.	#VALUE!

11/4	3	3	CT	5	0	I	5	75.4	21.7	0.00
11/4	3	3	CT	6	1	I	5	75.6	22.3	0.37
11/4	3	3	CT	7	2	I	5	76.1	21.6	2.30
11/4	3	3	CT	8	0	I	10	75.3	22.3	1.11
11/4	3	3	CT	9	1	I	10	76.2	21.6	0.20
11/4	3	3	CT	10	2	I	10	76.4	21.3	-0.61
11/4	3	3	CT	11	0	I	20	.	.	#VALUE!
11/4	3	3	CT	12	1	I	20	75.9	21.5	-1.84
11/4	3	3	CT	13	2	I	20	75.9	21.5	-1.99
11/4	3	3	CT	14	1	N	0	75.6	20.4	0.18
11/4	3	3	CT	15	2	N	0	74.9	21.6	1.98
11/4	3	3	CT	16	0	N	5	75.6	22.0	0.80
11/4	3	3	CT	17	1	N	5	75.2	22.5	0.40
11/4	3	3	CT	18	2	N	5	75.2	22.5	0.72
11/4	3	3	CT	19	0	N	10	75.7	21.8	0.61
11/4	3	3	CT	20	1	N	10	.	.	#VALUE!
11/4	3	3	CT	21	2	N	10	75.3	22.3	0.80
11/4	3	3	CT	22	0	N	20	.	.	#VALUE!
11/4	3	3	CT	23	1	N	20	.	.	#VALUE!
11/4	3	3	CT	24	2	N	20	75.7	21.8	-0.20
11/8	3	7	CT	1	0	N	0	74.3	22.1	-0.20
11/8	3	7	CT	2	0	I	0	75.3	21.4	-0.41
11/8	3	7	CT	3	1	I	0	75.9	20.8	-1.04
11/8	3	7	CT	4	2	I	0	75.2	20.9	-1.24
11/8	3	7	CT	5	0	I	5	74.9	21.4	-3.44
11/8	3	7	CT	6	1	I	5	75.9	20.7	-0.94
11/8	3	7	CT	7	2	I	5	75.2	21.4	-2.10
11/8	3	7	CT	8	0	I	10	75.2	21.0	0.19
11/8	3	7	CT	9	1	I	10	75.3	21.1	-0.41
11/8	3	7	CT	10	2	I	10	75.9	20.6	-0.20
11/8	3	7	CT	11	0	I	20	.	.	#VALUE!
11/8	3	7	CT	12	1	I	20	29.5	7.8	-0.83
11/8	3	7	CT	13	2	I	20	74.5	21.3	0.62
11/8	3	7	CT	14	1	N	0	.	.	#VALUE!
11/8	3	7	CT	15	2	N	0	74.5	22.2	0.00
11/8	3	7	CT	16	0	N	5	74.7	21.4	-0.76
11/8	3	7	CT	17	1	N	5	74.6	22.1	0.00
11/8	3	7	CT	18	2	N	5	74.9	21.9	2.06
11/8	3	7	CT	19	0	N	10	75.2	21.4	-1.71
11/8	3	7	CT	20	1	N	10	.	.	#VALUE!
11/8	3	7	CT	21	2	N	10	71.3	20.5	-0.93
11/8	3	7	CT	22	0	N	20	73.8	22.2	-1.13
11/8	3	7	CT	23	1	N	20	.	.	#VALUE!

11/8	3	7	CT	24	2	N	20	74.8	21.5	.	0.00
11/8	3	7	BF	1	0	N	0	19.6	1.3		-1.01
11/8	3	7	BF	2	0	I	0	76.4	18.8		1.22
11/8	3	7	BF	3	1	I	0	76.5	19.4		4.10
11/8	3	7	BF	4	2	I	0	77.6	18.3		2.80
11/8	3	7	BF	5	0	I	5	76.3	19.9		1.19
11/8	3	7	BF	6	1	I	5	77.2	18.6		2.47
11/8	3	7	BF	7	2	I	5	.	.		#VALUE!
11/8	3	7	BF	8	0	I	10	78.1	17.8		1.99
11/8	3	7	BF	9	1	I	10	77.4	18.5		-0.20
11/8	3	7	BF	10	2	I	10	78.1	17.9		2.38
11/8	3	7	BF	11	0	I	20	77.5	18.9		3.54
11/8	3	7	BF	12	1	I	20	76.2	19.1		1.58
11/8	3	7	BF	13	2	I	20	.	.		#VALUE!
11/8	3	7	BF	14	1	N	0	77.6	18.8		-0.20
11/8	3	7	BF	15	2	N	0	.	.		#VALUE!
11/8	3	7	BF	16	0	N	5	.	.		#VALUE!
11/8	3	7	BF	17	1	N	5	76.0	20.0		2.73
11/8	3	7	BF	18	2	N	5	76.9	19.3		1.97
11/8	3	7	BF	19	0	N	10	.	.		#VALUE!
11/8	3	7	BF	20	1	N	10	76.8	19.6		1.77
11/8	3	7	BF	21	2	N	10	77.0	19.1		2.15
11/8	3	7	BF	22	0	N	20	.	.		#VALUE!
11/8	3	7	BF	23	1	N	20	.	.		#VALUE!
11/8	3	7	BF	24	2	N	20	76.7	19.7		-1.50
11/11	3	10	BF	1	0	N	0	73.0	18.8		2.31
11/11	3	10	BF	2	0	I	0	79.3	18.0		-0.83
11/11	3	10	BF	3	1	I	0	70.3	14.3		4.36
11/11	3	10	BF	4	2	I	0	80.1	17.1		0.40
11/11	3	10	BF	5	0	I	5	76.8	20.1		10.10
11/11	3	10	BF	6	1	I	5	77.2	18.8		1.60
11/11	3	10	BF	7	2	I	5	.	.		#VALUE!
11/11	3	10	BF	8	0	I	10	.	.		#VALUE!
11/11	3	10	BF	9	1	I	10	78.8	18.3		7.84
11/11	3	10	BF	10	2	I	10	79.8	16.7		4.00
11/11	3	10	BF	11	0	I	20	78.3	18.9		5.82
11/11	3	10	BF	12	1	I	20	77.9	19.5		2.17
11/11	3	10	BF	13	2	I	20	80.5	16.7		2.72
11/11	3	10	BF	14	1	N	0	77.7	19.4		4.53
11/11	3	10	BF	15	2	N	0	70.7	18.1		7.53
11/11	3	10	BF	16	0	N	5	25.1	7.3		2.53
11/11	3	10	BF	17	1	N	5	77.9	18.3		5.72
11/11	3	10	BF	18	2	N	5	77.4	19.8		2.30

11/11	3	10	BF	19	0	N	10	77.8	19.6	2.14
11/11	3	10	BF	20	1	N	10	78.9	18.4	0.61
11/11	3	10	BF	21	2	N	10	77.1	20.1	7.37
11/11	3	10	BF	22	0	N	20	76.8	20.5	15.50
11/11	3	10	BF	23	1	N	20	76.8	20.5	3.76
11/11	3	10	BF	24	2	N	20	78.1	18.1	2.31
11/11	3	10	CT	1	0	N	0	75.8	21.4	0.38
11/11	3	10	CT	2	0	I	0	76.3	21.3	-0.83
11/11	3	10	CT	3	1	I	0	.	.	#VALUE!
11/11	3	10	CT	4	2	I	0	76.6	20.0	-0.57
11/11	3	10	CT	5	0	I	5	76.7	21.2	-1.68
11/11	3	10	CT	6	1	I	5	76.0	20.9	0.00
11/11	3	10	CT	7	2	I	5	.	.	0.00
11/11	3	10	CT	8	0	I	10	76.5	21.0	0.19
11/11	3	10	CT	9	1	I	10	76.5	20.9	-0.61
11/11	3	10	CT	10	2	I	10	77.0	20.2	0.00
11/11	3	10	CT	11	0	I	20	76.2	20.9	-0.21
11/11	3	10	CT	12	1	I	20	76.1	21.3	0.41
11/11	3	10	CT	13	2	I	20	76.9	20.5	0.00
11/11	3	10	CT	14	1	N	0	75.6	21.3	0.00
11/11	3	10	CT	15	2	N	0	75.8	21.4	0.80
11/11	3	10	CT	16	0	N	5	75.8	21.5	-1.04
11/11	3	10	CT	17	1	N	5	75.1	22.2	0.40
11/11	3	10	CT	18	2	N	5	76.4	21.3	0.60
11/11	3	10	CT	19	0	N	10	74.5	21.3	-0.38
11/11	3	10	CT	20	1	N	10	76.1	21.4	0.21
11/11	3	10	CT	21	2	N	10	76.1	21.1	1.95
11/11	3	10	CT	22	0	N	20	74.8	22.4	1.09
11/11	3	10	CT	23	1	N	20	75.7	21.4	-0.38
11/11	3	10	CT	24	2	N	20	.	.	#VALUE!
11/15	3	14	BF	1	0	N	0	75.5	20.3	-0.79
11/15	3	14	BF	2	0	I	0	73.9	18.9	0.00
11/15	3	14	BF	3	1	I	0	.	.	#VALUE!
11/15	3	14	BF	4	2	I	0	.	.	#VALUE!
11/15	3	14	BF	5	0	I	5	76.4	19.7	2.87
11/15	3	14	BF	6	1	I	5	77.9	18.5	-0.19
11/15	3	14	BF	7	2	I	5	.	.	#VALUE!
11/15	3	14	BF	8	0	I	10	78.7	17.6	2.35
11/15	3	14	BF	9	1	I	10	.	.	#VALUE!
11/15	3	14	BF	10	2	I	10	75.3	18.0	6.29
11/15	3	14	BF	11	0	I	20	76.8	19.4	0.53
11/15	3	14	BF	12	1	I	20	76.0	19.8	1.18
11/15	3	14	BF	13	2	I	20	74.7	18.2	5.79

11/15	3	14	BF	14	1	N	0	74.3	21.4	5.79
11/15	3	14	BF	15	2	N	0	72.7	22.0	5.65
11/15	3	14	BF	16	0	N	5	75.8	20.7	1.91
11/15	3	14	BF	17	1	N	5	76.1	20.2	5.14
11/15	3	14	BF	18	2	N	5	.	.	#VALUE!
11/15	3	14	BF	19	0	N	10	.	.	#VALUE!
11/15	3	14	BF	20	1	N	10	76.3	19.8	5.50
11/15	3	14	BF	21	2	N	10	75.1	21.1	5.61
11/15	3	14	BF	22	0	N	20	72.8	23.2	3.69
11/15	3	14	BF	23	1	N	20	73.9	22.5	16.76
11/15	3	14	BF	24	2	N	20	.	.	#VALUE!
11/15	3	14	CT	1	0	N	0	71.2	20.6	-1.89
11/15	3	14	CT	2	0	I	0	.	.	#VALUE!
11/15	3	14	CT	3	1	I	0	76.2	20.6	-0.41
11/15	3	14	CT	4	2	I	0	76.1	20.8	-0.62
11/15	3	14	CT	5	0	I	5	76.1	20.8	0.40
11/15	3	14	CT	6	1	I	5	75.1	21.7	-1.53
11/15	3	14	CT	7	2	I	5	76.5	20.3	-4.36
11/15	3	14	CT	8	0	I	10	75.8	21.1	-1.24
11/15	3	14	CT	9	1	I	10	75.9	21.0	-1.02
11/15	3	14	CT	10	2	I	10	76.3	20.0	-1.85
11/15	3	14	CT	11	0	I	20	76.3	20.0	-2.50
11/15	3	14	CT	12	1	I	20	75.6	21.1	0.20
11/15	3	14	CT	13	2	I	20	75.1	21.6	-0.75
11/15	3	14	CT	14	1	N	0	75.7	21.0	-1.03
11/15	3	14	CT	15	2	N	0	75.3	21.2	#VALUE!
11/15	3	14	CT	16	0	N	5	20.2	3.3	-0.41
11/15	3	14	CT	17	1	N	5	73.7	22.6	-1.04
11/15	3	14	CT	18	2	N	5	75.6	20.9	-0.75
11/15	3	14	CT	19	0	N	10	74.4	22.0	-0.55
11/15	3	14	CT	20	1	N	10	73.8	23.0	1.59
11/15	3	14	CT	21	2	N	10	73.7	23.2	0.00
11/15	3	14	CT	22	0	N	20	74.8	21.5	-2.12
11/15	3	14	CT	23	1	N	20	75.0	21.8	0.81
11/15	3	14	CT	24	2	N	20	.	.	#VALUE!
12/4	1	1	SL	1	0	N	0	75.3	21.0	5.63	3.32
12/4	1	1	SL	2	0	I	0	73.4	18.2	1.27
12/4	1	1	SL	3	1	I	0	76.0	20.6	-11.02
12/4	1	1	SL	4	2	I	0	75.9	20.4	1.03
12/4	1	1	SL	5	0	I	5	75.6	20.4	2.61	1.52
12/4	1	1	SL	6	1	I	5	75.8	20.0	3.64	1.67
12/4	1	1	SL	7	2	I	5	75.8	20.6	3.51	1.52
12/4	1	1	SL	8	0	I	10	74.4	19.8	4.78	0.13

12/4	1	1	SL	9	1	I	10	59.7	16.4	2.91	1.04
12/4	1	1	SL	10	2	I	10	73.6	19.6	2.65	0.13
12/4	1	1	SL	11	0	I	20	59.3	16.8	3.24	1.25
12/4	1	1	SL	12	1	I	20	75.3	20.5	2.94	1.16
12/4	1	1	SL	13	2	I	20	74.2	19.6	3.43	-0.68
12/4	1	1	SL	14	1	N	0	65.4	18.5	5.96	3.03
12/4	1	1	SL	15	2	N	0	22.9	3.9	3.33	24.55
12/4	1	1	SL	16	0	N	5	72.0	20.4	4.65	0.93
12/4	1	1	SL	17	1	N	5	75.5	21.4	2.84	1.41
12/4	1	1	SL	18	2	N	5	75.8	20.9	2.89	2.75
12/4	1	1	SL	19	0	N	10	55.2	16.3	3.64	1.67
12/4	1	1	SL	20	1	N	10	74.1	20.5	3.79	1.38
12/4	1	1	SL	21	2	N	10	75.7	21.1	3.39	2.28
12/4	1	1	SL	22	0	N	20	75.1	21.3	3.72	2.80
12/4	1	1	SL	23	1	N	20	76.0	20.4	2.60	0.34
12/4	1	1	SL	24	2	N	20	75.4	21.2	2.66	4.97
12/4	1	1	TB	1	0	N	0	73.6	22.4	3.24	0.87
12/4	1	1	TB	2	0	I	0	54.3	15.2	2.99	0.63
12/4	1	1	TB	3	1	I	0	74.3	21.5	3.62	0.50
12/4	1	1	TB	4	2	I	0	57.2	16.8	3.80	-0.76
12/4	1	1	TB	5	0	I	5	74.3	21.6	3.01	0.67
12/4	1	1	TB	6	1	I	5	74.4	21.7	4.62	2.56
12/4	1	1	TB	7	2	I	5	60.5	17.6	3.73	0.53
12/4	1	1	TB	8	0	I	10	19.9	1.7	2.98	1.26
12/4	1	1	TB	9	1	I	10	74.7	21.6	2.33	0.66
12/4	1	1	TB	10	2	I	10	69.4	19.4	2.33	1.76
12/4	1	1	TB	11	0	I	20	74.9	21.2	3.01	1.15
12/4	1	1	TB	12	1	I	20	74.4	21.2	3.24	1.40
12/4	1	1	TB	13	2	I	20	75.1	21.2	2.82	0.50
12/4	1	1	TB	14	1	N	0	74.3	21.9	3.69	1.70
12/4	1	1	TB	15	2	N	0	74.8	21.6	3.09	0.70
12/4	1	1	TB	16	0	N	5	74.9	21.5	4.15	0.76
12/4	1	1	TB	17	1	N	5	59.4	17.4	3.52	0.26
12/4	1	1	TB	18	2	N	5	75.3	21.2	2.84	1.93
12/4	1	1	TB	19	0	N	10	74.1	21.6	2.21	0.51
12/4	1	1	TB	20	1	N	10	20.3	1.8	2.96	1.62
12/4	1	1	TB	21	2	N	10	74.7	21.3	3.13	1.52
12/4	1	1	TB	22	0	N	20	74.2	21.2	3.42	1.88
12/4	1	1	TB	23	1	N	20	62.2	17.4	2.79	1.63
12/4	1	1	TB	24	2	N	20	74.4	21.5	3.30	0.00
12/6	1	3	TB	1	0	N	0	74.7	21.6	4.13	0.35
12/6	1	3	TB	2	0	I	0	55.5	16.1	3.13	0.52
12/6	1	3	TB	3	1	I	0	75.2	20.6	3.99	#VALUE!

12/6	1	3	TB	4	2	I	0	53.1	15.0	4.13	#VALUE!
12/6	1	3	TB	5	0	I	5	75.1	21.3	2.87	#VALUE!
12/6	1	3	TB	6	1	I	5	75.0	20.9	3.18	#VALUE!
12/6	1	3	TB	7	2	I	5	74.9	21.0	3.94	#VALUE!
12/6	1	3	TB	8	0	I	10	75.4	21.1	4.59	#VALUE!
12/6	1	3	TB	9	1	I	10	74.8	21.4	2.97	-0.33
12/6	1	3	TB	10	2	I	10	75.0	20.6	2.96	#VALUE!
12/6	1	3	TB	11	0	I	20	55.9	15.5	3.60	-1.52
12/6	1	3	TB	12	1	I	20	75.6	20.8	3.53	#VALUE!
12/6	1	3	TB	13	2	I	20	75.8	20.2	3.53	#VALUE!
12/6	1	3	TB	14	1	N	0	74.8	21.3	4.15	0.26
12/6	1	3	TB	15	2	N	0	74.5	21.1	3.65	0.36
12/6	1	3	TB	16	0	N	5	22.1	3.1	4.01	#VALUE!
12/6	1	3	TB	17	1	N	5	58.2	16.9	3.16	-0.27
12/6	1	3	TB	18	2	N	5	74.8	21.1	3.34	0.54
12/6	1	3	TB	19	0	N	10	74.1	21.1	3.60	0.93
12/6	1	3	TB	20	1	N	10	20.5	1.1	3.05	-0.78
12/6	1	3	TB	21	2	N	10	19.8	1.0	3.69	#VALUE!
12/6	1	3	TB	22	0	N	20	74.1	20.8	3.50	#VALUE!
12/6	1	3	TB	23	1	N	20	74.7	21.3	3.07	0.34
12/6	1	3	TB	24	2	N	20	74.7	21.0	4.20	#VALUE!
12/6	1	3	SL	1	0	N	0	46.5	13.8	4.67	-1.04
12/6	1	3	SL	2	0	I	0	.	.	.	#VALUE!
12/6	1	3	SL	3	1	I	0	76.1	19.4	2.65	7.49
12/6	1	3	SL	4	2	I	0	76.5	19.7	2.70	#VALUE!
12/6	1	3	SL	5	0	I	5	76.7	19.5	2.66	0.63
12/6	1	3	SL	6	1	I	5	75.6	20.2	3.18	0.26
12/6	1	3	SL	7	2	I	5	.	.	.	#VALUE!
12/6	1	3	SL	8	0	I	10	75.1	19.3	4.44	0.27
12/6	1	3	SL	9	1	I	10	63.5	17.8	3.52	2.30
12/6	1	3	SL	10	2	I	10	73.0	20.2	2.77	#VALUE!
12/6	1	3	SL	11	0	I	20	75.0	19.9	4.13	1.51
12/6	1	3	SL	12	1	I	20	75.2	20.0	3.89	0.25
12/6	1	3	SL	13	2	I	20	74.7	20.0	4.88	0.00
12/6	1	3	SL	14	1	N	0	64.0	18.2	6.92	0.87
12/6	1	3	SL	15	2	N	0	56.4	16.6	5.09	4.69
12/6	1	3	SL	16	0	N	5	74.4	21.2	5.27	2.40
12/6	1	3	SL	17	1	N	5	75.0	21.0	2.82	-0.16
12/6	1	3	SL	18	2	N	5	75.4	20.8	5.19	0.00
12/6	1	3	SL	19	0	I	10	75.3	20.8	3.30	1.06
12/6	1	3	SL	20	1	I	10	73.4	21.0	2.80	3.04
12/6	1	3	SL	21	2	I	10	75.7	20.4	3.75	2.15
12/6	1	3	SL	22	0	I	20	74.7	21.1	4.75	1.14

12/6	1	3	SL	23	1	I	20	75.7	20.2	3.54	-0.75
12/6	1	3	SL	24	2	I	20	75.2	21.0	2.46	2.97
12/10	1	7	SL	1	0	N	0	74.8	21.8	5.33	-0.78
12/10	1	7	SL	2	0	I	0	73.6	18.4	3.55	0.13
12/10	1	7	SL	3	1	I	0	77.2	19.8	3.25	-3.37
12/10	1	7	SL	4	2	I	0	77.6	19.9	1.96	-1.65
12/10	1	7	SL	5	0	I	5	77.3	20.2	2.90	-2.30
12/10	1	7	SL	6	1	I	5	76.9	20.3	3.65	-1.53
12/10	1	7	SL	7	2	I	5	76.7	20.7	3.35	-1.79
12/10	1	7	SL	8	0	I	10	73.1	18.5	4.55	-2.01
12/10	1	7	SL	9	1	I	10	76.2	19.6	3.18	-1.20
12/10	1	7	SL	10	2	I	10	20.9	1.2	2.68	-2.14
12/10	1	7	SL	11	0	I	20	64.7	18.7	3.76	-0.91
12/10	1	7	SL	12	1	I	20	76.2	19.8	4.61	-1.79
12/10	1	7	SL	13	2	I	20	74.4	19.9	6.44	10.79
12/10	1	7	SL	14	1	N	0	61.7	18.0	5.87	-0.37
12/10	1	7	SL	15	2	N	0	66.2	19.9	4.24	-6.11
12/10	1	7	SL	16	0	N	5	71.6	20.5	5.46	0.66
12/10	1	7	SL	17	1	N	5	76.1	21.3	4.82	-0.99
12/10	1	7	SL	18	2	N	5	75.9	21.3	4.44	-1.00
12/10	1	7	SL	19	0	N	10	74.6	20.9	3.96	0.24
12/10	1	7	SL	20	1	N	10	74.5	20.9	5.45	-0.93
12/10	1	7	SL	21	2	N	10	20.9	1.2	2.68	-1.76
12/10	1	7	SL	22	0	I	20	75.4	21.2	5.46	0.84
12/10	1	7	SL	23	1	I	20	76.5	20.6	2.83	-1.28
12/10	1	7	SL	24	2	I	20	68.1	20.0	3.44	-0.63
12/10	1	7	TB	1	0	N	0	74.3	22.9	3.18	-2.77
12/10	1	7	TB	2	0	I	0	58.9	17.3	2.66	-1.18
12/10	1	7	TB	3	1	I	0	75.3	21.9	3.95	-2.27
12/10	1	7	TB	4	2	I	0	54.7	15.6	3.24	-0.74
12/10	1	7	TB	5	0	I	5	75.3	21.8	2.63	-1.61
12/10	1	7	TB	6	1	I	5	76.0	21.5	4.33	-2.00
12/10	1	7	TB	7	2	I	5	63.0	18.7	3.88	-1.03
12/10	1	7	TB	8	0	I	10	75.4	21.7	3.80	-0.13
12/10	1	7	TB	9	1	I	10	75.6	21.9	2.33	-0.69
12/10	1	7	TB	10	2	I	10	75.3	21.3	2.97	-1.41
12/10	1	7	TB	11	0	I	20	63.9	18.2	3.93	1.17
12/10	1	7	TB	12	1	I	20	75.2	20.2	3.74	2.32
12/10	1	7	TB	13	2	I	20	76.2	20.7	2.57	-0.13
12/10	1	7	TB	14	1	N	0	74.0	23.5	3.89	-2.59
12/10	1	7	TB	15	2	N	0	.	.	.	#VALUE!
12/10	1	7	TB	16	0	N	5	20.8	1.8	3.71	-0.39
12/10	1	7	TB	17	1	N	5	59.0	17.5	3.40	-0.26

12/10	1	7	TB	18	2	N	5	75.3	21.6	3.19	-1.08
12/10	1	7	TB	19	0	N	10	74.6	21.6	4.47	-0.80
12/10	1	7	TB	20	1	N	10	20.8	1.2	2.49	-1.88
12/10	1	7	TB	21	2	N	10	73.2	21.5	3.33	0.51
12/10	1	7	TB	22	0	N	20	56.3	16.9	3.20	0.91
12/10	1	7	TB	23	1	N	20	75.5	21.4	2.92	-1.65
12/10	1	7	TB	24	2	N	20	75.5	21.9	3.63	-0.13
12/13	1	10	SL	1	0	N	0	73.1	20.6	6.25	0.93
12/13	1	10	SL	2	0	I	0	75.3	18.0	3.79	0.26
12/13	1	10	SL	3	1	I	0	76.6	20.1	3.81	0.64
12/13	1	10	SL	4	2	I	0	77.4	19.7	2.83	0.63
12/13	1	10	SL	5	0	I	5	75.6	20.1	3.81	0.82
12/13	1	10	SL	6	1	I	5	76.6	20.3	5.54	0.13
12/13	1	10	SL	7	2	I	5	76.4	20.4	3.68	0.64
12/13	1	10	SL	8	0	I	10	72.6	19.4	4.65	0.27
12/13	1	10	SL	9	1	I	10	21.1	1.5	4.50	0.53
12/13	1	10	SL	10	2	I	10	71.8	19.7	3.72	0.13
12/13	1	10	SL	11	0	I	20	75.5	20.4	3.73	0.64
12/13	1	10	SL	12	1	I	20	76.1	20.0	6.02	0.77
12/13	1	10	SL	13	2	I	20	71.6	18.9	4.88	0.27
12/13	1	10	SL	14	1	N	0	21.2	1.6	6.70	1.01
12/13	1	10	SL	15	2	N	0	52.5	17.4	4.34	4.81
12/13	1	10	SL	16	0	N	5	75.8	21.7	5.76	2.68
12/13	1	10	SL	17	1	N	5	75.9	21.2	3.53	1.00
12/13	1	10	SL	18	2	N	5	74.7	21.2	4.11	0.98
12/13	1	10	SL	19	0	I	10	75.8	21.2	4.57	0.76
12/13	1	10	SL	20	1	I	10	73.7	19.9	5.49	0.92
12/13	1	10	SL	21	2	I	10	76.0	21.1	5.68	2.19
12/13	1	10	SL	22	0	I	20	75.3	21.9	6.05	4.31
12/13	1	10	SL	23	1	I	20	76.4	20.7	5.63	0.89
12/13	1	10	SL	24	2	I	20	75.8	21.4	3.69	5.61
12/13	1	10	TB	1	0	N	0	74.1	23.0	4.16	6.65
12/13	1	10	TB	2	0	I	0	57.6	16.4	3.51	0.79
12/13	1	10	TB	3	1	I	0	74.7	22.2	3.58	0.40
12/13	1	10	TB	4	2	I	0	74.6	21.8	3.35	1.69
12/13	1	10	TB	5	0	I	5	75.3	21.7	2.29	-0.13
12/13	1	10	TB	6	1	I	5	75.6	21.4	3.65	0.84
12/13	1	10	TB	7	2	I	5	20.8	1.2	4.28	-0.13
12/13	1	10	TB	8	0	I	10	74.4	21.7	3.40	0.63
12/13	1	10	TB	9	1	I	10	75.1	21.7	2.38	0.13
12/13	1	10	TB	10	2	I	10	73.2	19.4	3.29	0.88
12/13	1	10	TB	11	0	I	20	76.3	20.4	2.87	6.96
12/13	1	10	TB	12	1	I	20	75.0	21.6	3.32	4.05

12/13	1	10	TB	13	2	I	20	72.7	20.5	3.01	3.55
12/13	1	10	TB	14	1	N	0	73.0	24.1	4.81	0.38
12/13	1	10	TB	15	2	N	0	74.5	21.5	2.99	0.34
12/13	1	10	TB	16	0	N	5	74.8	21.4	3.62	2.17
12/13	1	10	TB	17	1	N	5	59.9	17.0	3.61	2.28
12/13	1	10	TB	18	2	N	5	58.7	17.0	4.64	0.66
12/13	1	10	TB	19	0	I	10	61.5	17.6	4.34	0.62
12/13	1	10	TB	20	1	I	10	20.7	1.2	3.02	0.40
12/13	1	10	TB	21	2	I	10	75.0	21.4	3.33	3.14
12/13	1	10	TB	22	0	I	20	74.8	21.3	3.80	2.17
12/13	1	10	TB	23	1	I	20	75.2	21.4	4.10	3.08
12/13	1	10	TB	24	2	I	20	75.7	21.3	2.78	1.01
12/17	1	14	SL	1	0	N	0	74.9	21.6	4.07	1.73
12/17	1	14	SL	2	0	I	0	64.8	7.5	3.12	0.52
12/17	1	14	SL	3	1	I	0	76.3	20.1	2.55	-0.17
12/17	1	14	SL	4	2	I	0	71.5	18.7	1.97	-0.13
12/17	1	14	SL	5	0	I	5	72.2	19.6	2.47	0.00
12/17	1	14	SL	6	1	I	5	75.3	20.5	3.72	0.13
12/17	1	14	SL	7	2	I	5	76.4	20.5	1.70	0.27
12/17	1	14	SL	8	0	I	10	72.0	19.2	3.19	0.13
12/17	1	14	SL	9	1	I	10	75.6	19.7	2.37	-0.13
12/17	1	14	SL	10	2	I	10	74.9	19.0	2.50	-3.05
12/17	1	14	SL	11	0	I	20	61.9	18.3	3.31	1.11
12/17	1	14	SL	12	1	I	20	74.2	21.1	2.79	0.38
12/17	1	14	SL	13	2	I	20	73.9	19.7	3.64	1.00
12/17	1	14	SL	14	1	N	0	66.3	19.2	4.49	-1.06
12/17	1	14	SL	15	2	N	0	45.4	16.7	3.83	7.18
12/17	1	14	SL	16	0	N	5	72.2	20.9	4.54	5.13
12/17	1	14	SL	17	1	N	5	75.6	21.6	1.54	0.17
12/17	1	14	SL	18	2	N	5	39.0	14.1	4.01	-0.25
12/17	1	14	SL	19	0	I	10	74.7	22.3	3.41	2.89
12/17	1	14	SL	20	1	I	10	73.8	21.9	4.06	2.90
12/17	1	14	SL	21	2	I	10	76.0	21.0	1.91	0.49
12/17	1	14	SL	22	0	I	20	75.2	22.0	4.35	3.83
12/17	1	14	SL	23	1	I	20	76.0	20.9	3.92	0.80
12/17	1	14	SL	24	2	I	20	73.3	19.1	2.61	-507.69
12/17	1	14	TB	1	0	N	0	74.2	22.7	3.09	0.72
12/17	1	14	TB	2	0	I	0	56.1	17.0	3.34	1.16
12/17	1	14	TB	3	1	I	0	74.2	22.4	3.33	-0.27
12/17	1	14	TB	4	2	I	0	74.4	22.2	2.99	1.04
12/17	1	14	TB	5	0	I	5	75.1	21.6	2.76	-0.87
12/17	1	14	TB	6	1	I	5	19.5	6.7	2.78	0.53
12/17	1	14	TB	7	2	I	5	62.4	18.0	3.74	-0.40

12/17	1	14	TB	8	0	I	10	74.6	21.8	3.58	0.13
12/17	1	14	TB	9	1	I	10	75.4	21.8	2.84	0.67
12/17	1	14	TB	10	2	I	10	58.8	17.2	2.44	0.26
12/17	1	14	TB	11	0	I	20	76.1	20.8	3.19	0.40
12/17	1	14	TB	12	1	I	20	74.1	22.1	3.88	-0.40
12/17	1	14	TB	13	2	I	20	74.3	21.5	2.50	0.00
12/17	1	14	TB	14	1	N	0	75.2	21.7	.	#VALUE!
12/17	1	14	TB	15	2	N	0	56.3	15.7	3.07	-0.54
12/17	1	14	TB	16	0	N	5	.	.	.	#VALUE!
12/17	1	14	TB	17	1	N	5	54.9	16.2	3.93	0.88
12/17	1	14	TB	18	2	N	5	56.8	16.3	4.68	-6.53
12/17	1	14	TB	19	0	I	10	73.2	21.1	2.72	0.27
12/17	1	14	TB	20	1	I	10	56.3	15.6	3.72	0.65
12/17	1	14	TB	21	2	I	10	73.6	22.5	4.28	2.68
12/17	1	14	TB	22	0	I	20	61.6	16.0	3.51	0.00
12/17	1	14	TB	23	1	I	20	75.1	22.0	3.17	0.54
12/17	1	14	TB	24	2	I	20	19.7	2.2	5.26	-0.13
12/6	2	1	TB	1	0	N	0	75.1	21.3	3.06	1.43
12/6	2	1	TB	2	0	I	0	72.6	21.1	4.25	0.45
12/6	2	1	TB	3	1	I	0	.	.	.	#VALUE!
12/6	2	1	TB	4	2	I	0	75.2	21.2	2.78	0.49
12/6	2	1	TB	5	0	I	5	75.1	20.7	2.84	0.00
12/6	2	1	TB	6	1	I	5	75.9	20.9	2.68	5.41
12/6	2	1	TB	7	2	I	5	75.5	20.9	3.01	0.90
12/6	2	1	TB	8	0	I	10	76.0	20.8	3.87	1.59
12/6	2	1	TB	9	1	I	10	75.2	21.2	2.84	1.43
12/6	2	1	TB	10	2	I	10	75.3	21.9	2.53	0.96
12/6	2	1	TB	11	0	I	20	30.7	6.7	2.53	0.96
12/6	2	1	TB	12	1	I	20	76.1	21.2	3.60	1.27
12/6	2	1	TB	13	2	I	20	75.4	21.2	2.90	1.89
12/6	2	1	TB	14	1	N	0	74.9	21.5	2.90	0.75
12/6	2	1	TB	15	2	N	0	75.8	21.5	2.98	-0.46
12/6	2	1	TB	16	0	N	5	72.1	20.9	3.50	0.96
12/6	2	1	TB	17	1	N	5	74.6	21.3	3.53	1.42
12/6	2	1	TB	18	2	N	5	74.8	21.4	2.96	1.29
12/6	2	1	TB	19	0	I	10	75.0	21.3	3.53	-1.62
12/6	2	1	TB	20	1	I	10	75.1	21.2	4.55	0.16
12/6	2	1	TB	21	2	I	10	75.4	21.3	3.53	2.34
12/6	2	1	TB	22	0	I	20	75.3	21.3	3.21	1.49
12/6	2	1	TB	23	1	I	20	75.1	21.2	2.95	0.81
12/6	2	1	TB	24	2	I	20	75.4	21.4	3.44	0.32
12/6	2	1	SL	1	0	N	0	75.8	20.8	3.24	1.90
12/6	2	1	SL	2	0	I	0	75.4	20.3	2.47	1.92

12/6	2	1	SL	3	1	I	0	.	.	.	#VALUE!
12/6	2	1	SL	4	2	I	0	72.6	19.8	3.25	4.69
12/6	2	1	SL	5	0	I	5	73.7	19.6	2.50	1.48
12/6	2	1	SL	6	1	I	5	76.0	20.6	2.34	0.75
12/6	2	1	SL	7	2	I	5	74.6	20.1	2.16	2.43
12/6	2	1	SL	8	0	I	10	76.1	20.4	2.49	1.44
12/6	2	1	SL	9	1	I	10	75.9	20.6	4.03	1.11
12/6	2	1	SL	10	2	I	10	74.8	19.3	2.58	-11.20
12/6	2	1	SL	11	0	I	20	76.8	19.8	2.43	0.75
12/6	2	1	SL	12	1	I	20	76.7	20.5	3.17	2.05
12/6	2	1	SL	13	2	I	20	76.3	20.2	2.38	1.76
12/6	2	1	SL	14	1	N	0	74.8	21.4	2.32	3.36
12/6	2	1	SL	15	2	N	0	74.8	20.7	3.36	0.48
12/6	2	1	SL	16	0	N	5	71.4	20.2	2.76	0.90
12/6	2	1	SL	17	1	N	5	75.7	21.0	3.04	0.49
12/6	2	1	SL	18	2	N	5	75.7	20.7	2.60	1.34
12/6	2	1	SL	19	0	I	10	75.5	21.2	3.00	0.80
12/6	2	1	SL	20	1	I	10	.	.	.	#VALUE!
12/6	2	1	SL	21	2	I	10	75.4	21.2	2.61	0.90
12/6	2	1	SL	22	0	I	20	.	.	.	#VALUE!
12/6	2	1	SL	23	1	I	20	.	.	.	#VALUE!
12/6	2	1	SL	24	2	I	20	75.2	20.9	2.56	2.63
12/8	2	3	SL	1	0	N	0	76.0	21.1	4.02	1.32
12/8	2	3	SL	2	0	I	0	76.0	21.0	3.45	2.06
12/8	2	3	SL	3	1	I	0	76.8	19.5	2.94	0.91
12/8	2	3	SL	4	2	I	0	.	.	.	#VALUE!
12/8	2	3	SL	5	0	I	5	.	.	.	#VALUE!
12/8	2	3	SL	6	1	I	5	71.1	18.4	2.98	2.74
12/8	2	3	SL	7	2	I	5	75.0	20.0	2.65	2.10
12/8	2	3	SL	8	0	I	10	72.2	20.1	3.04	0.79
12/8	2	3	SL	9	1	I	10	74.8	19.4	3.67	0.84
12/8	2	3	SL	10	2	I	10	75.1	19.4	2.34	0.83
12/8	2	3	SL	11	0	I	20	78.5	18.3	3.10	2.87
12/8	2	3	SL	12	1	I	20	77.2	20.0	3.61	1.03
12/8	2	3	SL	13	2	I	20	76.9	20.2	2.74	1.88
12/8	2	3	SL	14	1	N	0	75.8	21.4	3.07	2.17
12/8	2	3	SL	15	2	N	0	74.2	21.3	3.85	2.36
12/8	2	3	SL	16	0	N	5	76.4	20.8	3.08	1.58
12/8	2	3	SL	17	1	N	5	74.3	21.6	3.56	0.75
12/8	2	3	SL	18	2	N	5	76.3	21.0	3.08	2.83
12/8	2	3	SL	19	0	I	10	76.1	21.0	3.28	2.47
12/8	2	3	SL	20	1	I	10	75.8	21.0	2.91	0.88
12/8	2	3	SL	21	2	I	10	75.6	21.8	2.94	1.92

12/8	2	3	SL	22	0	I	20	75.4	21.0	3.73	1.78
12/8	2	3	SL	23	1	I	20	75.9	20.9	2.43	1.35
12/8	2	3	SL	24	2	I	20	75.7	21.0	2.99	1.78
12/8	2	3	TB	1	0	N	0	75.4	21.7	4.29	0.60
12/8	2	3	TB	2	0	I	0	75.0	21.5	3.88	0.96
12/8	2	3	TB	3	1	I	0	75.7	21.2	2.38	1.77
12/8	2	3	TB	4	2	I	0	76.0	21.1	2.39	1.35
12/8	2	3	TB	5	0	I	5	76.1	20.9	2.95	1.20
12/8	2	3	TB	6	1	I	5	73.9	20.6	2.77	0.00
12/8	2	3	TB	7	2	I	5	76.4	20.2	.	3.47
12/8	2	3	TB	8	0	I	10	76.5	21.1	2.95	0.75
12/8	2	3	TB	9	1	I	10	75.3	21.1	2.73	0.64
12/8	2	3	TB	10	2	I	10	75.7	21.0	3.85	1.12
12/8	2	3	TB	11	0	I	20	75.6	21.3	3.06	0.90
12/8	2	3	TB	12	1	I	20	76.0	21.1	3.13	1.26
12/8	2	3	TB	13	2	I	20	75.9	21.2	3.39	0.80
12/8	2	3	TB	14	1	N	0	75.4	21.7	4.23	1.04
12/8	2	3	TB	15	2	N	0	74.8	21.8	3.12	0.16
12/8	2	3	TB	16	0	N	5	61.6	18.1	4.39	0.16
12/8	2	3	TB	17	1	N	5	.	.	3.65	0.91
12/8	2	3	TB	18	2	N	5	75.8	21.3	3.36	1.43
12/8	2	3	TB	19	0	I	10	75.4	21.3	5.36	0.65
12/8	2	3	TB	20	1	I	10	54.4	15.2	3.92	1.69
12/8	2	3	TB	21	2	I	10	75.3	21.5	3.46	1.19
12/8	2	3	TB	22	0	I	20	75.7	21.5	3.62	1.89
12/8	2	3	TB	23	1	I	20	75.6	21.3	3.68	4.07
12/8	2	3	TB	24	2	I	20	75.5	21.2	2.78	1.28
12/12	2	7	SL	1	0	N	0	75.0	21.7	3.74	3.75
12/12	2	7	SL	2	0	I	0	70.9	19.5	3.07	3.15
12/12	2	7	SL	3	1	I	0	76.7	20.0	4.56	0.61
12/12	2	7	SL	4	2	I	0	.	.	.	#VALUE!
12/12	2	7	SL	5	0	I	5	.	.	.	#VALUE!
12/12	2	7	SL	6	1	I	5	76.7	20.6	2.95	0.45
12/12	2	7	SL	7	2	I	5	73.6	20.2	3.68	2.08
12/12	2	7	SL	8	0	I	10	76.6	20.4	3.46	1.46
12/12	2	7	SL	9	1	I	10	75.2	19.5	3.42	1.05
12/12	2	7	SL	10	2	I	10	74.5	19.9	2.38	0.77
12/12	2	7	SL	11	0	I	20	31.8	9.4	3.84	0.32
12/12	2	7	SL	12	1	I	20	77.1	19.9	3.50	0.45
12/12	2	7	SL	13	2	I	20	76.7	19.9	3.16	2.91
12/12	2	7	SL	14	1	N	0	.	.	.	#VALUE!
12/12	2	7	SL	15	2	N	0	74.0	21.6	5.16	3.56
12/12	2	7	SL	16	0	N	5	75.5	21.6	3.11	0.32

12/12	2	7	SL	17	1	N	5	75.2	21.7	3.97	3.93
12/12	2	7	SL	18	2	N	5	74.9	21.8	2.95	1.19
12/12	2	7	SL	19	0	I	10	75.8	21.3	5.48	3.01
12/12	2	7	SL	20	1	I	10	75.3	21.3	2.93	1.19
12/12	2	7	SL	21	2	I	10	75.4	21.6	5.58	0.15
12/12	2	7	SL	22	0	I	20	73.8	21.0	2.66	0.30
12/12	2	7	SL	23	1	I	20	75.5	21.0	4.12	2.34
12/12	2	7	SL	24	2	I	20	74.4	21.2	3.40	4.85
12/12	2	7	TB	1	0	N	0	45.2	14.4	4.37	0.00
12/12	2	7	TB	2	0	I	0	75.5	21.5	3.89	2.78
12/12	2	7	TB	3	1	I	0	74.0	21.1	3.53	0.33
12/12	2	7	TB	4	2	I	0	75.5	21.4	3.01	1.59
12/12	2	7	TB	5	0	I	5	75.6	20.9	4.66	1.13
12/12	2	7	TB	6	1	I	5	20.7	1.2	3.77	2.76
12/12	2	7	TB	7	2	I	5	76.3	21.0	2.82	1.42
12/12	2	7	TB	8	0	I	10	76.2	21.1	5.05	0.79
12/12	2	7	TB	9	1	I	10	75.4	21.1	3.55	2.17
12/12	2	7	TB	10	2	I	10	76.2	21.2	3.37	0.15
12/12	2	7	TB	11	0	I	20	76.0	21.5	3.50	0.74
12/12	2	7	TB	12	1	I	20	75.9	21.3	4.97	0.00
12/12	2	7	TB	13	2	I	20	75.6	21.7	3.79	0.32
12/12	2	7	TB	14	1	N	0	56.1	16.5	4.65	41.30
12/12	2	7	TB	15	2	N	0	75.5	21.8	5.38	1.42
12/12	2	7	TB	16	0	N	5	75.1	22.2	6.34	1.40
12/12	2	7	TB	17	1	N	5	69.4	19.8	5.86	0.46
12/12	2	7	TB	18	2	N	5	75.6	21.7	4.61	1.89
12/12	2	7	TB	19	0	I	10	74.7	22.1	4.18	0.00
12/12	2	7	TB	20	1	I	10	36.5	11.4	4.57	3.13
12/12	2	7	TB	21	2	I	10	75.7	21.6	4.10	3.06
12/12	2	7	TB	22	0	I	20	75.2	21.1	5.79	4.18
12/12	2	7	TB	23	1	I	20	75.9	21.2	4.66	3.24
12/12	2	7	TB	24	2	I	20	75.6	21.7	3.68	1.76
12/15	2	10	SL	1	0	N	0	70.1	20.1	3.24	0.15
12/15	2	10	SL	2	0	I	0	49.4	15.4	2.62	0.30
12/15	2	10	SL	3	1	I	0	76.4	20.1	3.10	0.45
12/15	2	10	SL	4	2	I	0	74.6	19.5	4.23	0.00
12/15	2	10	SL	5	0	I	5	74.1	19.0	3.40	4.24
12/15	2	10	SL	6	1	I	5	76.8	19.9	2.82	0.16
12/15	2	10	SL	7	2	I	5	75.2	19.7	2.62	1.92
12/15	2	10	SL	8	0	I	10	77.0	19.6	3.46	4.40
12/15	2	10	SL	9	1	I	10	76.2	19.2	3.23	0.00
12/15	2	10	SL	10	2	I	10	75.0	19.1	2.21	0.00
12/15	2	10	SL	11	0	I	20	78.3	18.6	2.92	0.00

12/15	2	10	SL	12	1	I	20	78.3	18.6	3.51	0.48
12/15	2	10	SL	13	2	I	20	76.7	20.0	3.32	1.61
12/15	2	10	SL	14	1	N	0	75.5	21.1	3.21	0.63
12/15	2	10	SL	15	2	N	0	74.4	21.5	4.13	0.60
12/15	2	10	SL	16	0	N	5	75.0	21.1	3.97	-0.30
12/15	2	10	SL	17	1	N	5	75.6	21.4	4.62	1.42
12/15	2	10	SL	18	2	N	5	20.9	1.2	2.72	1.54
12/15	2	10	SL	19	0	I	10	75.8	21.0	4.30	2.15
12/15	2	10	SL	20	1	I	10	76.1	20.8	4.29	0.16
12/15	2	10	SL	21	2	I	10	75.8	21.4	5.02	0.45
12/15	2	10	SL	22	0	I	20	75.1	21.2	3.98	2.47
12/15	2	10	SL	23	1	I	20	76.1	20.3	2.63	5.75
12/15	2	10	SL	24	2	I	20	75.0	20.6	3.31	3.65
12/15	2	10	TB	1	0	N	0	75.6	21.8	3.78	0.96
12/15	2	10	TB	2	0	I	0	75.1	21.0	4.01	0.45
12/15	2	10	TB	3	1	I	0	75.7	21.2	3.46	0.49
12/15	2	10	TB	4	2	I	0	76.1	20.9	3.89	1.12
12/15	2	10	TB	5	0	I	5	76.5	20.5	3.16	1.74
12/15	2	10	TB	6	1	I	5	67.7	19.3	3.40	0.45
12/15	2	10	TB	7	2	I	5	76.3	20.3	2.98	1.42
12/15	2	10	TB	8	0	I	10	73.0	20.0	4.48	2.17
12/15	2	10	TB	9	1	I	10	44.5	13.1	3.15	0.96
12/15	2	10	TB	10	2	I	10	76.2	21.0	2.68	1.33
12/15	2	10	TB	11	0	I	20	75.1	22.1	3.48	2.45
12/15	2	10	TB	12	1	I	20	76.1	20.9	3.80	1.11
12/15	2	10	TB	13	2	I	20	75.7	21.1	4.36	0.30
12/15	2	10	TB	14	1	N	0	75.6	21.6	4.17	0.65
12/15	2	10	TB	15	2	N	0	75.4	21.8	4.30	1.04
12/15	2	10	TB	16	0	N	5	75.0	22.1	5.57	1.26
12/15	2	10	TB	17	1	N	5	75.9	21.9	4.70	0.64
12/15	2	10	TB	18	2	N	5	75.5	21.5	3.98	0.61
12/15	2	10	TB	19	0	I	10	73.1	20.9	4.71	2.34
12/15	2	10	TB	20	1	I	10	75.8	21.3	4.24	1.61
12/15	2	10	TB	21	2	I	10	.	.	.	#VALUE!
12/15	2	10	TB	22	0	I	20	75.8	21.3	4.77	0.90
12/15	2	10	TB	23	1	I	20	75.8	21.1	4.52	1.47
12/15	2	10	TB	24	2	I	20	75.9	21.2	4.27	1.62
12/19	2	14	SL	1	0	N	0	74.6	22.1	3.07	0.80
12/19	2	14	SL	2	0	I	0	75.0	20.9	2.90	6.03
12/19	2	14	SL	3	1	I	0	76.5	20.7	3.01	0.46
12/19	2	14	SL	4	2	I	0	.	.	.	#VALUE!
12/19	2	14	SL	5	0	I	5	74.2	19.9	1.89	0.61
12/19	2	14	SL	6	1	I	5	77.2	20.1	2.67	-2.21

12/19	2	14	SL	7	2	I	5	75.1	20.2	2.68	0.46
12/19	2	14	SL	8	0	I	10	73.0	20.1	2.29	0.48
12/19	2	14	SL	9	1	I	10	.	.	.	#VALUE!
12/19	2	14	SL	10	2	I	10	74.7	19.7	1.81	0.50
12/19	2	14	SL	11	0	I	20	77.8	18.8	2.35	4.26
12/19	2	14	SL	12	1	I	20	77.0	20.1	2.61	0.45
12/19	2	14	SL	13	2	I	20	55.0	17.8	2.86	10.87
12/19	2	14	SL	14	1	N	0	74.5	22.6	3.27	10.48
12/19	2	14	SL	15	2	N	0	73.1	22.6	3.24	12.36
12/19	2	14	SL	16	0	N	5	75.6	21.6	3.08	6.82
12/19	2	14	SL	17	1	N	5	75.2	22.0	4.41	1.05
12/19	2	14	SL	18	2	N	5	75.5	21.7	3.44	0.32
12/19	2	14	SL	19	0	I	10	75.9	21.3	2.58	3.00
12/19	2	14	SL	20	1	I	10	75.0	22.0	1.77	4.58
12/19	2	14	SL	21	2	I	10	75.1	21.9	2.54	1.28
12/19	2	14	SL	22	0	I	20	74.9	21.4	3.98	0.89
12/19	2	14	SL	23	1	I	20	74.2	20.6	2.30	3.13
12/19	2	14	SL	24	2	I	20	75.4	21.3	2.54	1.92
12/19	2	14	TB	1	0	N	0	74.8	21.8	4.04	0.90
12/19	2	14	TB	2	0	I	0	75.0	21.7	4.84	0.96
12/19	2	14	TB	3	1	I	0	74.7	20.8	3.42	0.65
12/19	2	14	TB	4	2	I	0	33.3	9.7	3.44	0.49
12/19	2	14	TB	5	0	I	5	75.4	20.4	4.41	0.76
12/19	2	14	TB	6	1	I	5	75.3	21.6	3.16	1.05
12/19	2	14	TB	7	2	I	5	75.6	21.1	2.67	4.46
12/19	2	14	TB	8	0	I	10	61.9	17.9	4.05	0.96
12/19	2	14	TB	9	1	I	10	75.1	21.4	3.43	1.04
12/19	2	14	TB	10	2	I	10	75.3	21.2	3.81	1.89
12/19	2	14	TB	11	0	I	20	75.4	21.4	2.82	1.04
12/19	2	14	TB	12	1	I	20	75.3	21.2	3.48	1.19
12/19	2	14	TB	13	2	I	20	75.3	21.3	3.13	0.96
12/19	2	14	TB	14	1	N	0	74.7	21.6	5.82	0.96
12/19	2	14	TB	15	2	N	0	73.9	22.5	4.13	1.05
12/19	2	14	TB	16	0	N	5	74.5	22.4	4.69	1.91
12/19	2	14	TB	17	1	N	5	74.8	21.9	2.96	1.72
12/19	2	14	TB	18	2	N	5	74.7	21.5	4.74	1.60
12/19	2	14	TB	19	0	I	10	74.8	21.7	3.74	0.32
12/19	2	14	TB	20	1	I	10	63.8	18.8	3.79	1.33
12/19	2	14	TB	21	2	I	10	75.5	21.3	3.66	0.90
12/19	2	14	TB	22	0	I	20	74.6	21.8	3.90	1.25
12/19	2	14	TB	23	1	I	20	74.9	21.5	3.49	3.69
12/19	2	14	TB	24	2	I	20	74.9	21.7	3.23	0.64
12/11	3	1	SL	1	0	N	0	76.4	21.3	3.94	5.25

12/11	3	1	SL	2	0	I	0	76.5	21.3	3.42	5.47
12/11	3	1	SL	3	1	I	0	77.1	20.7	2.48	1.23
12/11	3	1	SL	4	2	I	0	77.3	20.2	2.96	7.86
12/11	3	1	SL	5	0	I	5	77.1	20.3	2.37	3.60
12/11	3	1	SL	6	1	I	5	77.4	19.9	2.88	0.87
12/11	3	1	SL	7	2	I	5	77.1	20.6	2.99	4.26
12/11	3	1	SL	8	0	I	10	77.2	20.4	4.14	6.57
12/11	3	1	SL	9	1	I	10	77.9	19.5	3.47	3.90
12/11	3	1	SL	10	2	I	10	76.7	20.8	2.50	2.38
12/11	3	1	SL	11	0	I	20	76.7	21.0	2.68	2.30
12/11	3	1	SL	12	1	I	20	76.5	20.7	2.37	2.20
12/11	3	1	SL	13	2	I	20	77.3	20.3	2.44	5.26
12/11	3	1	SL	14	1	N	0	76.7	20.9	3.14	4.44
12/11	3	1	SL	15	2	N	0	76.6	21.2	2.75	4.62
12/11	3	1	SL	16	0	N	5	76.4	21.4	4.16	3.33
12/11	3	1	SL	17	1	N	5	76.7	21.0	3.83	5.15
12/11	3	1	SL	18	2	N	5	76.6	21.2	2.45	2.32
12/11	3	1	SL	19	0	I	10	76.5	21.2	2.83	4.41
12/11	3	1	SL	20	1	I	10	76.8	21.0	3.02	8.45
12/11	3	1	SL	21	2	I	10	76.5	21.3	4.38	2.66
12/11	3	1	SL	22	0	I	20	75.9	20.9	4.00	4.65
12/11	3	1	SL	23	1	I	20	76.7	21.1	2.59	3.40
12/11	3	1	SL	24	2	I	20	76.2	21.4	3.63	3.96
12/11	3	1	TB	1	0	N	0	75.5	21.9	4.60	3.21
12/11	3	1	TB	2	0	I	0	75.7	21.8	4.11	2.24
12/11	3	1	TB	3	1	I	0	75.8	21.7	2.97	1.56
12/11	3	1	TB	4	2	I	0	75.7	21.8	4.15	2.22
12/11	3	1	TB	5	0	I	5	75.3	21.8	3.80	3.20
12/11	3	1	TB	6	1	I	5	75.6	22.0	5.43	2.13
12/11	3	1	TB	7	2	I	5	75.8	21.7	3.84	3.36
12/11	3	1	TB	8	0	I	10	75.5	21.9	2.76	2.62
12/11	3	1	TB	9	1	I	10	75.9	21.6	5.37	1.24
12/11	3	1	TB	10	2	I	10	75.5	21.9	5.08	3.57
12/11	3	1	TB	11	0	I	20	75.3	22.0	3.62	2.60
12/11	3	1	TB	12	1	I	20	75.6	21.8	3.87	3.03
12/11	3	1	TB	13	2	I	20	75.7	21.7	5.32	2.50
12/11	3	1	TB	14	1	N	0	75.4	22.0	4.93	3.19
12/11	3	1	TB	15	2	N	0	75.3	21.9	3.85	1.94
12/11	3	1	TB	16	0	N	5	75.3	22.1	3.41	1.43
12/11	3	1	TB	17	1	N	5	75.3	22.3	4.62	2.31
12/11	3	1	TB	18	2	N	5	75.2	22.2	4.30	1.56
12/11	3	1	TB	19	0	I	10	74.9	21.7	6.30	1.95
12/11	3	1	TB	20	1	I	10	75.3	22.3	3.59	3.40

12/11	3	1	TB	21	2	I	10	75.1	22.4	3.98	40.96
12/11	3	1	TB	22	0	I	20	67.7	19.6	4.25	3.21
12/11	3	1	TB	23	1	I	20	75.3	22.1	3.82	2.80
12/11	3	1	TB	24	2	I	20	74.9	21.6	4.58	2.50
12/13	3	3	SL	1	0	N	0	75.0	21.3	3.88	1.95
12/13	3	3	SL	2	0	I	0	76.5	21.2	4.30	0.80
12/13	3	3	SL	3	1	I	0	77.7	19.6	4.03	3.95
12/13	3	3	SL	4	2	I	0	77.0	20.1	4.02	1.54
12/13	3	3	SL	5	0	I	5	77.3	19.8	4.05	3.96
12/13	3	3	SL	6	1	I	5	77.8	19.5	2.65	1.06
12/13	3	3	SL	7	2	I	5	76.7	20.7	4.17	1.52
12/13	3	3	SL	8	0	I	10	77.0	20.5	3.42	0.55
12/13	3	3	SL	9	1	I	10	77.1	19.9	4.37	1.05
12/13	3	3	SL	10	2	I	10	76.9	20.4	2.78	1.46
12/13	3	3	SL	11	0	I	20	77.2	20.3	3.31	4.13
12/13	3	3	SL	12	1	I	20	77.4	20.0	2.95	3.57
12/13	3	3	SL	13	2	I	20	77.1	20.1	3.55	3.02
12/13	3	3	SL	14	1	N	0	.	.	.	#VALUE!
12/13	3	3	SL	15	2	N	0	76.7	20.6	2.39	7.45
12/13	3	3	SL	16	0	N	5	76.4	21.2	2.91	3.96
12/13	3	3	SL	17	1	N	5	76.4	20.9	3.94	1.66
12/13	3	3	SL	18	2	N	5	75.2	20.9	3.43	3.40
12/13	3	3	SL	19	0	I	10	76.0	21.5	4.23	1.67
12/13	3	3	SL	20	1	I	10	75.6	20.8	3.35	1.39
12/13	3	3	SL	21	2	I	10	76.4	20.9	3.51	2.88
12/13	3	3	SL	22	0	I	20	76.5	20.8	5.06	5.10
12/13	3	3	SL	23	1	I	20	76.9	20.4	2.92	0.77
12/13	3	3	SL	24	2	I	20	75.7	21.6	5.20	3.97
12/13	3	3	TB	1	0	N	0	74.9	21.8	2.98	0.00
12/13	3	3	TB	2	0	I	0	75.4	21.9	3.21	0.60
12/13	3	3	TB	3	1	I	0	74.7	21.7	3.90	0.63
12/13	3	3	TB	4	2	I	0	74.8	22.2	3.33	0.62
12/13	3	3	TB	5	0	I	5	74.5	22.0	4.31	1.69
12/13	3	3	TB	6	1	I	5	74.6	22.1	3.46	1.37
12/13	3	3	TB	7	2	I	5	75.4	21.5	3.30	0.83
12/13	3	3	TB	8	0	I	10	.	.	.	#VALUE!
12/13	3	3	TB	9	1	I	10	75.2	21.7	3.80	1.24
12/13	3	3	TB	10	2	I	10	74.9	21.9	6.27	1.18
12/13	3	3	TB	11	0	I	20	70.8	20.7	4.53	1.19
12/13	3	3	TB	12	1	I	20	75.2	21.8	3.38	2.51
12/13	3	3	TB	13	2	I	20	75.1	21.9	4.63	1.44
12/13	3	3	TB	14	1	N	0	73.8	22.6	2.72	0.43
12/13	3	3	TB	15	2	N	0	75.0	22.1	3.66	0.98

12/13	3	3	TB	16	0	N	5	74.9	22.2	4.54	0.78
12/13	3	3	TB	17	1	N	5	73.4	23.8	3.58	6.47
12/13	3	3	TB	18	2	N	5	74.5	22.1	3.73	0.99
12/13	3	3	TB	19	0	I	10	75.1	22.0	4.75	0.79
12/13	3	3	TB	20	1	I	10	74.9	22.3	4.57	0.78
12/13	3	3	TB	21	2	I	10	70.2	20.8	3.59	0.42
12/13	3	3	TB	22	0	I	20	75.1	21.9	3.85	2.63
12/13	3	3	TB	23	1	I	20	74.8	22.3	4.27	1.57
12/13	3	3	TB	24	2	I	20	74.8	22.2	4.19	2.40
12/17	3	7	SL	1	0	N	0	75.9	21.4	3.72	0.79
12/17	3	7	SL	2	0	I	0	.	.	.	.
12/17	3	7	SL	3	1	I	0	60.4	16.6	2.67	0.60
12/17	3	7	SL	4	2	I	0	76.7	20.5	3.89	0.80
12/17	3	7	SL	5	0	I	5	76.5	20.4	3.61	0.36
12/17	3	7	SL	6	1	I	5	77.3	20.0	2.72	0.19
12/17	3	7	SL	7	2	I	5	76.5	20.4	2.45	0.37
12/17	3	7	SL	8	0	I	10	76.2	20.7	3.54	1.22
12/17	3	7	SL	9	1	I	10	77.7	19.2	2.97	1.23
12/17	3	7	SL	10	2	I	10	76.6	20.7	1.49	.
12/17	3	7	SL	11	0	I	20	76.3	20.0	3.03	0.20
12/17	3	7	SL	12	1	I	20	.	.	.	.
12/17	3	7	SL	13	2	I	20	76.8	19.7	2.51	.
12/17	3	7	SL	14	1	N	0	76.0	21.4	2.58	2.02
12/17	3	7	SL	15	2	N	0	75.1	21.0	3.07	0.72
12/17	3	7	SL	16	0	N	5	74.2	21.9	5.08	.
12/17	3	7	SL	17	1	N	5	76.1	20.9	2.80	0.99
12/17	3	7	SL	18	2	N	5	76.0	20.4	3.18	0.00
12/17	3	7	SL	19	0	N	10	75.5	21.7	2.87	1.08
12/17	3	7	SL	20	1	N	10	76.0	21.2	2.75	0.40
12/17	3	7	SL	21	2	N	10	76.0	20.9	4.15	1.63
12/17	3	7	SL	22	0	N	20	76.3	20.9	3.14	4.95
12/17	3	7	SL	23	1	N	20	76.8	20.3	2.99	0.54
12/17	3	7	SL	24	2	N	20	75.1	22.2	4.79	1.20
12/17	3	7	TB	1	0	N	0	75.1	22.4	5.04	.
12/17	3	7	TB	2	0	I	0	75.3	22.1	3.56	.
12/17	3	7	TB	3	1	I	0	75.7	21.9	3.44	.
12/17	3	7	TB	4	2	I	0	74.9	22.5	3.49	0.40
12/17	3	7	TB	5	0	I	5	75.4	22.1	4.26	.
12/17	3	7	TB	6	1	I	5	75.2	22.3	4.29	0.42
12/17	3	7	TB	7	2	I	5	75.5	21.6	2.85	.
12/17	3	7	TB	8	0	I	10	75.1	22.1	3.07	0.62
12/17	3	7	TB	9	1	I	10	75.7	21.8	4.05	1.54
12/17	3	7	TB	10	2	I	10	74.9	22.7	4.84	0.00

12/17	3	7	TB	11	0	I	20	75.3	22.2	3.88	.
12/17	3	7	TB	12	1	I	20	76.0	21.6	2.96	0.60
12/17	3	7	TB	13	2	I	20	75.1	22.1	4.39	1.24
12/17	3	7	TB	14	1	N	0	74.1	23.4	3.34	0.83
12/17	3	7	TB	15	2	N	0	75.3	22.9	3.11	.
12/17	3	7	TB	16	0	N	5	74.5	22.9	4.40	0.41
12/17	3	7	TB	17	1	N	5	73.0	24.5	4.20	6.54
12/17	3	7	TB	18	2	N	5	74.9	22.5	3.00	.
12/17	3	7	TB	19	0	N	10	75.2	22.2	5.13	2.44
12/17	3	7	TB	20	1	N	10	71.5	21.9	3.56	0.80
12/17	3	7	TB	21	2	N	10	74.4	22.7	3.88	2.43
12/17	3	7	TB	22	0	N	20	75.5	21.3	3.85	.
12/17	3	7	TB	23	1	N	20	74.4	23.1	4.48	.
12/17	3	7	TB	24	2	N	20	74.3	22.6	5.23	2.61
12/20	3	10	SL	1	0	N	0	75.0	22.1	2.83	0.84
12/20	3	10	SL	2	0	I	0	77.0	20.1	3.40	1.39
12/20	3	10	SL	3	1	I	0	77.2	19.4	2.63	1.19
12/20	3	10	SL	4	2	I	0	77.4	19.5	3.79	1.96
12/20	3	10	SL	5	0	I	5	76.3	20.3	1.72	1.34
12/20	3	10	SL	6	1	I	5	76.8	20.2	2.50	0.58
12/20	3	10	SL	7	2	I	5	77.3	19.3	2.19	1.04
12/20	3	10	SL	8	0	I	10	77.1	19.6	3.14	0.89
12/20	3	10	SL	9	1	I	10	77.9	18.6	3.02	2.44
12/20	3	10	SL	10	2	I	10	.	.	.	.
12/20	3	10	SL	11	0	I	20	76.2	20.6	3.05	1.45
12/20	3	10	SL	12	1	I	20	77.0	19.8	2.75	1.39
12/20	3	10	SL	13	2	I	20	76.6	20.5	2.61	1.86
12/20	3	10	SL	14	1	N	0	57.4	17.7	3.35	2.51
12/20	3	10	SL	15	2	N	0	75.3	21.5	3.35	2.53
12/20	3	10	SL	16	0	N	5	74.0	23.0	3.58	2.25
12/20	3	10	SL	17	1	N	5	76.1	20.9	2.85	1.85
12/20	3	10	SL	18	2	N	5	75.7	21.1	4.17	1.29
12/20	3	10	SL	19	0	N	10	74.6	21.4	2.20	3.05
12/20	3	10	SL	20	1	N	10	75.8	21.0	3.46	1.59
12/20	3	10	SL	21	2	N	10	75.5	21.1	4.71	1.90
12/20	3	10	SL	22	0	N	20	75.8	20.8	3.94	0.92
12/20	3	10	SL	23	1	N	20	.	.	.	.
12/20	3	10	SL	24	2	N	20	74.0	23.0	4.44	3.67
12/20	3	10	TB	1	0	N	0	74.2	21.9	3.45	1.39
12/20	3	10	TB	2	0	I	0	75.0	21.7	3.44	1.05
12/20	3	10	TB	3	1	I	0	74.9	21.8	3.47	1.05
12/20	3	10	TB	4	2	I	0	74.3	22.0	3.07	1.86
12/20	3	10	TB	5	0	I	5	73.9	22.8	3.91	2.64

12/20	3	10	TB	6	1	I	5	74.4	22.3	4.63	1.96
12/20	3	10	TB	7	2	I	5	74.7	21.5	2.78	1.66
12/20	3	10	TB	8	0	I	10	74.7	21.6	2.53	1.26
12/20	3	10	TB	9	1	I	10	74.8	21.7	2.99	3.04
12/20	3	10	TB	10	2	I	10	74.4	22.0	5.05	2.43
12/20	3	10	TB	11	0	I	20	74.7	21.8	3.55	1.87
12/20	3	10	TB	12	1	I	20	74.8	21.8	3.17	1.95
12/20	3	10	TB	13	2	I	20	74.7	22.1	4.09	1.57
12/20	3	10	TB	14	1	N	0	73.2	23.3	3.33	1.95
12/20	3	10	TB	15	2	N	0	74.3	22.0	5.59	2.51
12/20	3	10	TB	16	0	N	5	74.2	22.1	2.93	1.19
12/20	3	10	TB	17	1	N	5	72.4	24.1	4.11	5.36
12/20	3	10	TB	18	2	N	5	74.4	22.2	4.36	2.86
12/20	3	10	TB	19	0	N	10	74.5	22.1	5.21	2.17
12/20	3	10	TB	20	1	N	10	74.5	22.3	3.26	2.45
12/20	3	10	TB	21	2	N	10	72.8	23.2	3.99	4.61
12/20	3	10	TB	22	0	N	20	74.1	22.2	4.00	2.32
12/20	3	10	TB	23	1	N	20	73.4	23.1	3.60	3.57
12/20	3	10	TB	24	2	N	20	74.1	22.1	3.40	2.64
12/24	3	14	SL	1	0	N	0	74.6	22.5	3.70	0.63
12/24	3	14	SL	2	0	I	0	76.1	20.7	4.21	0.20
12/24	3	14	SL	3	1	I	0	76.9	20.1	2.21	0.00
12/24	3	14	SL	4	2	I	0	19.4	1.9	3.38	0.21
12/24	3	14	SL	5	0	I	5	76.1	20.7	2.69	.
12/24	3	14	SL	6	1	I	5	77.3	19.9	1.79	0.37
12/24	3	14	SL	7	2	I	5	76.5	20.3	3.55	0.19
12/24	3	14	SL	8	0	I	10	76.4	20.2	2.80	0.00
12/24	3	14	SL	9	1	I	10	77.0	19.6	2.74	1.92
12/24	3	14	SL	10	2	I	10	76.3	20.4	2.00	1.04
12/24	3	14	SL	11	0	I	20	75.9	21.3	2.07	1.19
12/24	3	14	SL	12	1	I	20	76.4	20.5	2.71	0.17
12/24	3	14	SL	13	2	I	20	76.5	20.5	2.40	1.00
12/24	3	14	SL	14	1	N	0	75.2	21.9	3.15	1.84
12/24	3	14	SL	15	2	N	0	75.8	21.3	3.78	0.99
12/24	3	14	SL	16	0	N	5	74.7	22.6	6.73	0.94
12/24	3	14	SL	17	1	N	5	75.5	21.7	3.29	2.69
12/24	3	14	SL	18	2	N	5	75.9	21.1	3.14	1.56
12/24	3	14	SL	19	0	N	10	73.8	22.2	2.50	0.59
12/24	3	14	SL	20	1	N	10	76.2	20.8	4.36	0.20
12/24	3	14	SL	21	2	N	10	75.5	21.3	3.62	0.71
12/24	3	14	SL	22	0	N	20	76.0	20.9	3.17	1.39
12/24	3	14	SL	23	1	N	20	76.3	20.5	3.18	0.54
12/24	3	14	SL	24	2	N	20	74.2	22.8	5.54	0.00

12/24	3	14	TB	1	0	N	0	73.8	22.9	.	4.93
12/24	3	14	TB	2	0	I	0	74.6	22.6	.	0.00
12/24	3	14	TB	3	1	I	0	75.2	21.8	3.03	0.99
12/24	3	14	TB	4	2	I	0	74.4	22.5	3.99	0.20
12/24	3	14	TB	5	0	I	5	75.3	21.8	3.83	0.60
12/24	3	14	TB	6	1	I	5	20.7	1.3	.	2.43
12/24	3	14	TB	7	2	I	5	75.2	21.8	2.99	0.60
12/24	3	14	TB	8	0	I	10	75.1	21.9	3.44	2.24
12/24	3	14	TB	9	1	I	10	75.0	21.8	.	0.42
12/24	3	14	TB	10	2	I	10	74.9	22.2	5.53	1.76
12/24	3	14	TB	11	0	I	20	74.3	22.9	4.82	2.68
12/24	3	14	TB	12	1	I	20	74.7	22.4	3.89	0.83
12/24	3	14	TB	13	2	I	20	75.2	21.6	.	0.98
12/24	3	14	TB	14	1	N	0	73.5	23.6	3.60	0.79
12/24	3	14	TB	15	2	N	0	73.6	22.4	4.19	1.85
12/24	3	14	TB	16	0	N	5	74.4	22.7	4.34	0.63
12/24	3	14	TB	17	1	N	5	73.9	23.2	.	2.31
12/24	3	14	TB	18	2	N	5	75.0	22.1	5.15	0.42
12/24	3	14	TB	19	0	N	10	74.9	22.2	.	.
12/24	3	14	TB	20	1	N	10	73.8	23.1	.	2.23
12/24	3	14	TB	21	2	N	10	74.9	22.3	5.58	0.00
12/24	3	14	TB	22	0	N	20	75.1	22.0	3.75	0.21
12/24	3	14	TB	23	1	N	20	73.9	23.0	.	0.98
12/24	3	14	TB	24	2	N	20	74.3	22.0	.	0.83

DATE	PANELIST	REP	TRMT		BLADE	TUMBLE	MUSCLE	JUICY	MFT	CTA	OT	FINTENS
10/31	Randi	1	17	N	1	5	CT	5	5	6	5	3
10/31	Randi	1	12	I	1	20	CT	4	5	6	5	3
10/31	Randi	1	20	N	1	10	CT	5	6	6	5	3
10/31	Randi	1	2	I	0	0	CT	5	6	6	6	3
10/31	Randi	1	7	I	2	5	CT	6	6	7	6	3
10/31	Randi	1	6	I	1	5	CT	6	7	7	7	4
10/31	Randi	1	10	I	2	10	CT	5	6	6	6	3
10/31	Randi	1	16	N	0	5	CT	6	5	6	5	3
10/31	Randi	1	13	I	2	20	CT	6	6	6	6	3
10/31	Randi	1	19	N	0	10	CT	5	5	6	5	4
10/31	Randi	1	1	N	0	0	CT	6	6	7	6	4
10/31	Randi	1	9	I	1	10	CT	6	6	6	6	4
10/31	Randi	1	18	N	2	5	CT	6	6	6	6	3
10/31	Randi	1	23	N	1	20	CT	6	5	6	5	3
10/31	Randi	1	15	N	2	0	CT	4	5	5	4	4
10/31	Randi	1	14	N	1	0	CT	6	6	6	5	4
10/31	Randi	1	4	I	2	0	CT	6	7	7	7	4
10/31	Randi	1	11	I	0	20	CT	5	5	5	5	4
10/31	Randi	1	24	N	2	20	CT	5	5	6	5	4
10/31	Randi	1	3	I	1	0	CT	5	6	7	6	4
10/31	Randi	1	22	N	0	20	CT	5	5	6	5	3
10/31	Randi	1	5	I	0	5	CT	5	6	6	6	3
10/31	Randi	1	21	N	2	10	CT	5	6	6	6	3
10/31	Randi	1	8	I	0	10	CT	5	5	6	5	3
10/31	Jason	1	17	N	1	5	CT	4	6	6	6	4
10/31	Jason	1	12	I	1	20	CT	4	6	5	6	4
10/31	Jason	1	20	N	1	10	CT	4	6	6	6	5
10/31	Jason	1	2	I	0	0	CT	4	7	7	7	4
10/31	Jason	1	7	I	2	5	CT	6	7	7	7	4
10/31	Jason	1	6	I	1	5	CT	4	6	7	6	5
10/31	Jason	1	10	I	2	10	CT	4	6	7	6	4
10/31	Jason	1	16	N	0	5	CT	5	5	6	5	4
10/31	Jason	1	13	I	2	20	CT	5	6	6	6	4
10/31	Jason	1	19	N	0	10	CT	5	6	7	6	4
10/31	Jason	1	1	N	0	0	CT	5	4	6	4	4
10/31	Jason	1	9	I	1	10	CT	5	5	5	5	4
10/31	Jason	1	18	N	2	5	CT	7	5	6	5	5
10/31	Jason	1	23	N	1	20	CT	5	6	7	6	4
10/31	Jason	1	15	N	2	0	CT	4	5	4	5	4

10/31	Jason	1	14	N	1	0	CT	.	6	6	6	4
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10/31	Jason	1	11	I	0	20	CT	5	6	6	6	5
10/31	Jason	1	24	N	2	20	CT	5	5	6	5	4
10/31	Jason	1	3	I	1	0	CT	5	6	6	6	4
10/31	Jason	1	22	N	0	20	CT	5	4	5	4	4
10/31	Jason	1	5	I	0	5	CT	4	6	7	6	4
10/31	Jason	1	21	N	2	10	CT	4	6	6	6	4
10/31	Jason	1	8	I	0	10	CT	1	5	7	5	4
10/31	Teresa	1	17	N	1	5	CT	4	5	6	5	3
10/31	Teresa	1	12	I	1	20	CT	4	5	5	5	4
10/31	Teresa	1	20	N	1	10	CT	5	6	7	6	3
10/31	Teresa	1	2	I	0	0	CT	5	5	7	5	3
10/31	Teresa	1	7	I	2	5	CT	6	7	7	7	3
10/31	Teresa	1	6	I	1	5	CT	5	5	6	5	4
10/31	Teresa	1	10	I	2	10	CT	6	6	7	6	4
10/31	Teresa	1	16	N	0	5	CT	7	6	5	5	3
10/31	Teresa	1	13	I	2	20	CT	7	7	7	7	3
10/31	Teresa	1	19	N	0	10	CT	5	5	5	5	3
10/31	Teresa	1	1	N	0	0	CT	5	6	7	6	5
10/31	Teresa	1	9	I	1	10	CT	7	7	7	7	4
10/31	Teresa	1	18	N	2	5	CT	6	6	5	6	4
10/31	Teresa	1	23	N	1	20	CT	6	6	7	6	4
10/31	Teresa	1	15	N	2	0	CT	5	6	7	6	3
10/31	Teresa	1	14	N	1	0	CT	5	6	6	6	3
10/31	Teresa	1	4	I	2	0	CT	7	7	7	7	4
10/31	Teresa	1	11	I	0	20	CT	6	6	6	6	3
10/31	Teresa	1	24	N	2	20	CT	5	6	5	5	3
10/31	Teresa	1	3	I	1	0	CT	6	7	6	6	4
10/31	Teresa	1	22	N	0	20	CT	5	6	6	6	4
10/31	Teresa	1	5	I	0	5	CT	5	5	7	5	3
10/31	Teresa	1	21	N	2	10	CT	5	5	7	5	4
10/31	Teresa	1	8	I	0	10	CT	5	5	6	5	3
10/31	Tracey	1	17	N	1	5	CT	3	3	4	4	4
10/31	Tracey	1	12	I	1	20	CT	4	5	6	5	4
10/31	Tracey	1	20	N	1	10	CT	5	5	6	5	4
10/31	Tracey	1	2	I	0	0	CT	4	5	6	5	4
10/31	Tracey	1	7	I	2	5	CT	5	6	6	6	4
10/31	Tracey	1	6	I	1	5	CT	3	3	5	3	4
10/31	Tracey	1	10	I	2	10	CT	4	4	5	4	4
10/31	Tracey	1	16	N	0	5	CT	5	5	6	5	4
10/31	Tracey	1	13	I	2	20	CT	6	6	6	6	5
10/31	Tracey	1	19	N	0	10	CT	5	5	5	5	4

10/31	Tracey	1	1	N	0	0	CT	7	6	7	6	4
10/31	Tracey	1	9	I	1	10	CT	5	5	6	5	4
10/31	Tracey	1	18	N	2	5	CT	7	6	7	6	3
10/31	Tracey	1	23	N	1	20	CT	6	6	7	6	4
10/31	Tracey	1	15	N	2	0	CT	5	5	6	5	4
10/31	Tracey	1	14	N	1	0	CT	6	6	7	6	3
10/31	Tracey	1	4	I	2	0	CT	5	5	6	5	4
10/31	Tracey	1	11	I	0	20	CT	4	4	5	5	3
10/31	Tracey	1	24	N	2	20	CT	5	5	5	5	4
10/31	Tracey	1	3	I	1	0	CT	5	5	6	5	5
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10/31	Tracey	1	8	I	0	10	CT	4	5	6	5	3
10/30	Andy	1	11	I	0	20	BF	5	6	6	7	4
10/30	Andy	1	1	N	0	0	BF	5	5	7	5	3
10/30	Andy	1	4	I	2	0	BF	4	4	6	5	6
10/30	Andy	1	16	N	0	5	BF	5	6	6	6	3
10/30	Andy	1	24	N	2	20	BF	4	5	7	6	4
10/30	Andy	1	17	N	1	5	BF	3	5	6	5	3
10/30	Andy	1	5	I	0	5	BF	3	6	6	6	4
10/30	Andy	1	22	N	0	20	BF	5	4	5	5	4
10/30	Andy	1	13	I	2	20	BF	4	6	6	6	5
10/30	Andy	1	9	I	1	10	BF	5	6	6	6	5
10/30	Andy	1	21	N	2	10	BF	4	5	6	5	3
10/30	Andy	1	14	N	1	0	BF	6	5	3	4	3
10/30	Andy	1	3	I	1	0	BF	5	6	7	6	4
10/30	Andy	1	18	N	2	5	BF	4	6	4	4	3
10/30	Andy	1	7	I	2	5	BF	5	6	5	5	4
10/30	Andy	1	12	I	1	20	BF	5	7	6	6	4
10/30	Andy	1	10	I	2	10	BF	5	5	6	5	5
10/30	Andy	1	15	N	2	0	BF	6	5	7	5	3
10/30	Andy	1	23	N	1	20	BF	6	6	5	6	3
10/30	Andy	1	2	I	0	0	BF	6	5	4	5	4
10/30	Andy	1	8	I	0	10	BF	7	7	5	6	4
10/30	Andy	1	19	N	0	10	BF	6	7	6	7	3
10/30	Andy	1	6	I	1	5	BF	6	4	4	4	4
10/30	Andy	1	20	N	1	10	BF	5	6	6	6	3
10/30	Jason	1	11	I	0	20	BF	4	6	7	6	4
10/30	Jason	1	1	N	0	0	BF	5	7	7	7	4
10/30	Jason	1	4	I	2	0	BF	4	6	6	6	3
10/30	Jason	1	16	N	0	5	BF	5	7	7	7	4
10/30	Jason	1	24	N	2	20	BF	3	6	7	6	4

10/30	Jason	1	17	N	1	5	BF	3	6	6	6	4
10/30	Jason	1	5	I	0	5	BF	4	6	7	6	4
10/30	Jason	1	22	N	0	20	BF	5	5	3	4	4
10/30	Jason	1	13	I	2	20	BF	4	6	7	6	3
10/30	Jason	1	9	I	1	10	BF	5	7	7	7	4
10/30	Jason	1	21	N	2	10	BF	3	6	6	6	3
10/30	Jason	1	14	N	1	0	BF	5	7	6	7	4
10/30	Jason	1	3	I	1	0	BF	6	7	6	7	4
10/30	Jason	1	18	N	2	5	BF	4	5	6	6	4
10/30	Jason	1	7	I	2	5	BF	4	5	6	5	4
10/30	Jason	1	12	I	1	20	BF	4	6	6	6	4
10/30	Jason	1	10	I	2	10	BF	4	6	7	6	4
10/30	Jason	1	15	N	2	0	BF	4	5	6	5	4
10/30	Jason	1	23	N	1	20	BF	4	5	6	5	4
10/30	Jason	1	2	I	0	0	BF	5	6	6	6	4
10/30	Jason	1	8	I	0	10	BF	5	6	5	6	4
10/30	Jason	1	19	N	0	10	BF	5	6	6	6	3
10/30	Jason	1	6	I	0	5	BF	6	6	5	6	4
10/30	Jason	1	20	N	1	10	BF	5	7	7	7	4
10/30	Randi	1	11	I	0	20	BF	6	6	7	6	4
10/30	Randi	1	1	N	0	0	BF	6	6	6	5	3
10/30	Randi	1	4	I	2	0	BF	5	5	6	5	3
10/30	Randi	1	16	N	0	5	BF	5	7	7	7	2
10/30	Randi	1	24	N	2	20	BF	5	6	7	6	3
10/30	Randi	1	17	N	1	5	BF	4	5	6	5	3
10/30	Randi	1	5	I	0	5	BF	6	6	6	6	4
10/30	Randi	1	22	N	0	20	BF	4	5	5	4	3
10/30	Randi	1	13	I	2	20	BF	5	6	6	6	4
10/30	Randi	1	9	I	1	10	BF	4	6	7	6	3
10/30	Randi	1	21	N	2	10	BF	3	4	6	4	2
10/30	Randi	1	14	N	1	0	BF	6	6	6	6	3
10/30	Randi	1	3	I	1	0	BF	5	6	6	5	5
10/30	Randi	1	18	N	2	5	BF	4	5	6	5	3
10/30	Randi	1	7	I	2	5	BF	5	5	6	5	3
10/30	Randi	1	12	I	1	20	BF	6	7	7	7	3
10/30	Randi	1	10	I	2	10	BF	5	5	6	5	4
10/30	Randi	1	15	N	2	0	BF	6	6	6	6	3
10/30	Randi	1	23	N	1	20	BF	6	6	7	6	3
10/30	Randi	1	2	I	0	0	BF	6	6	6	6	3
10/30	Randi	1	8	I	0	10	BF	6	7	6	6	4
10/30	Randi	1	19	N	0	10	BF	6	7	6	6	3
10/30	Randi	1	6	I	0	5	BF	6	6	6	5	4
10/30	Randi	1	20	N	1	10	BF	6	7	7	7	3

10/30	Teresa	1	11	I	0	20	BF	5	6	6	6	4
10/30	Teresa	1	1	N	0	0	BF	5	5	5	5	5
10/30	Teresa	1	4	I	2	0	BF	4	5	6	5	3
10/30	Teresa	1	16	N	0	5	BF	5	6	7	6	4
10/30	Teresa	1	24	N	2	20	BF	5	5	6	5	3
10/30	Teresa	1	17	N	1	5	BF	5	6	5	6	4
10/30	Teresa	1	5	I	0	5	BF	5	7	7	7	3
10/30	Teresa	1	22	N	0	20	BF	4	4	5	4	3
10/30	Teresa	1	13	I	2	20	BF	5	6	7	6	4
10/30	Teresa	1	9	I	1	10	BF	6	6	7	6	3
10/30	Teresa	1	21	N	2	10	BF	4	5	6	5	3
10/30	Teresa	1	14	N	1	0	BF	5	5	6	5	4
10/30	Teresa	1	3	I	1	0	BF	5	6	5	5	3
10/30	Teresa	1	18	N	2	5	BF	5	5	6	5	3
10/30	Teresa	1	7	I	2	5	BF	5	6	7	6	4
10/30	Teresa	1	12	I	1	20	BF	5	6	7	6	4
10/30	Teresa	1	10	I	2	10	BF	5	6	7	6	4
10/30	Teresa	1	15	N	2	0	BF	6	5	7	5	4
10/30	Teresa	1	23	N	1	20	BF	7	6	7	6	3
10/30	Teresa	1	2	I	0	0	BF	7	7	7	7	4
10/30	Teresa	1	8	I	0	10	BF	7	7	7	7	4
10/30	Teresa	1	19	N	0	10	BF	8	7	7	7	3
10/30	Teresa	1	6	I	0	5	BF	7	6	5	5	3
10/30	Teresa	1	20	N	1	10	BF	8	7	7	7	4
10/30	Tracey	1	11	I	0	20	BF	4	5	6	5	4
10/30	Tracey	1	1	N	0	0	BF	5	5	6	5	3
10/30	Tracey	1	4	I	2	0	BF	4	5	6	5	5
10/30	Tracey	1	16	N	0	5	BF	4	6	6	6	4
10/30	Tracey	1	24	N	2	20	BF	5	5	6	6	4
10/30	Tracey	1	17	N	1	5	BF	3	3	5	4	3
10/30	Tracey	1	5	I	0	5	BF	3	4	6	5	5
10/30	Tracey	1	22	N	0	20	BF	3	3	5	4	3
10/30	Tracey	1	13	I	2	20	BF	5	4	5	4	4
10/30	Tracey	1	9	I	1	10	BF	4	5	5	5	3
10/30	Tracey	1	21	N	2	10	BF	4	5	6	5	3
10/30	Tracey	1	14	N	1	0	BF	5	5	5	5	4
10/30	Tracey	1	3	I	1	0	BF	5	5	6	5	5
10/30	Tracey	1	18	N	2	5	BF	4	4	5	4	3
10/30	Tracey	1	7	I	2	5	BF	4	4	5	4	4
10/30	Tracey	1	12	I	1	20	BF	4	4	5	4	3
10/30	Tracey	1	10	I	2	10	BF	3	4	5	4	4
10/30	Tracey	1	15	N	2	0	BF	5	5	6	5	4
10/30	Tracey	1	23	N	1	20	BF	5	5	5	5	3

10/30	Tracey	1	2	I	0	0	BF	4	5	6	5	5
10/30	Tracey	1	8	I	0	10	BF	5	5	5	5	4
10/30	Tracey	1	19	N	0	10	BF	6	6	6	6	3
10/30	Tracey	1	6	I	0	5	BF	5	5	6	5	4
10/30	Tracey	1	20	N	1	10	BF	5	6	6	6	3
11/1	Tracey	2	12	I	1	20	CT	7	6	6	6	4
11/1	Tracey	2	8	I	0	10	CT	6	6	7	6	3
11/1	Tracey	2	14	N	1	0	CT	5	5	6	5	3
11/1	Tracey	2	9	I	1	10	CT	5	6	6	6	3
11/1	Tracey	2	18	N	2	5	CT	5	5	6	5	3
11/1	Tracey	2	22	N	0	20	CT	4	6	6	6	4
11/1	Tracey	2	2	I	0	0	CT	4	6	7	6	3
11/1	Tracey	2	24	N	2	20	CT	3	5	6	5	3
11/1	Tracey	2	5	I	0	5	CT	3	5	6	5	4
11/1	Tracey	2	23	N	1	20	CT	4	4	5	4	3
11/1	Tracey	2	20	N	1	10	CT	5	5	5	5	4
11/1	Tracey	2	19	N	0	10	CT	5	5	5	5	3
11/1	Tracey	2	10	I	2	10	CT	4	5	6	5	3
11/1	Tracey	2	13	I	2	20	CT	6	5	6	5	3
11/1	Tracey	2	11	I	0	20	CT	5	5	6	5	3
11/1	Tracey	2	21	N	2	10	CT	4	5	6	5	3
11/1	Tracey	2	7	I	2	5	CT	3	5	5	5	4
11/1	Tracey	2	16	N	0	5	CT	4	5	5	5	3
11/1	Tracey	2	4	I	2	0	CT	4	6	6	6	3
11/1	Tracey	2	6	I	1	5	CT	5	6	6	6	4
11/1	Tracey	2	3	I	1	0	CT	5	5	6	5	3
11/1	Tracey	2	17	N	1	5	CT	5	6	7	6	3
11/1	Tracey	2	15	N	2	0	CT	.	.	.	.	.
11/1	Tracey	2	1	N	0	0	CT	.	.	.	.	.
11/1	Jason	2	12	I	1	20	CT	5	6	6	6	6
11/1	Jason	2	8	I	0	10	CT	5	6	7	6	4
11/1	Jason	2	14	N	1	0	CT	4	6	7	6	4
11/1	Jason	2	9	I	1	10	CT	4	6	5	5	3
11/1	Jason	2	18	N	2	5	CT	6	5	6	5	4
11/1	Jason	2	22	N	0	20	CT	5	6	6	6	3
11/1	Jason	2	2	I	0	0	CT	6	7	7	7	4
11/1	Jason	2	24	N	2	20	CT	4	6	7	6	3
11/1	Jason	2	5	I	0	5	CT	4	6	6	6	4
11/1	Jason	2	23	N	1	20	CT	4	6	6	6	4
11/1	Jason	2	20	N	1	10	CT	5	7	7	7	4
11/1	Jason	2	19	N	0	10	CT	5	7	7	7	4
11/1	Jason	2	10	I	2	10	CT	4	7	7	7	4
11/1	Jason	2	13	I	2	20	CT	5	6	5	4	3

11/1	Jason	2	11	I	0	20	CT	6	8	8	8	5
11/1	Jason	2	21	N	2	10	CT	6	5	5	5	5
11/1	Jason	2	7	I	2	5	CT	4	6	6	6	4
11/1	Jason	2	16	N	0	5	CT	4	4	5	4	4
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11/1	Jason	2	6	I	1	5	CT	5	6	7	6	6
11/1	Jason	2	3	I	1	0	CT	6	6	7	6	4
11/1	Jason	2	17	N	1	5	CT	5	6	6	6	4
11/1	Jason	2	15	N	2	0	CT	5	5	4	4	4
11/1	Jason	2	1	N	0	0	CT	.	.	.	.	.
11/1	Tara	2	12	I	1	20	CT	6	6	6	6	5
11/1	Tara	2	8	I	0	10	CT	5	6	7	6	5
11/1	Tara	2	14	N	1	0	CT	5	5	6	5	4
11/1	Tara	2	9	I	1	10	CT	5	6	6	6	5
11/1	Tara	2	18	N	2	5	CT	5	6	6	6	3
11/1	Tara	2	22	N	0	20	CT	5	6	6	6	4
11/1	Tara	2	2	I	0	0	CT	6	6	6	6	5
11/1	Tara	2	24	N	2	20	CT	5	6	6	6	4
11/1	Tara	2	5	I	0	5	CT	6	6	7	6	5
11/1	Tara	2	23	N	1	20	CT	5	5	5	5	4
11/1	Tara	2	20	N	1	10	CT	6	7	7	7	5
11/1	Tara	2	19	N	0	10	CT	5	5	6	5	4
11/1	Tara	2	10	I	2	10	CT	5	5	5	5	5
11/1	Tara	2	13	I	2	20	CT	7	7	7	7	4
11/1	Tara	2	11	I	0	20	CT	6	6	7	6	5
11/1	Tara	2	21	N	2	10	CT	5	6	6	6	3
11/1	Tara	2	7	I	2	5	CT	3	3	6	4	5
11/1	Tara	2	16	N	0	5	CT	5	5	6	5	6
11/1	Tara	2	4	I	2	0	CT	5	6	7	6	5
11/1	Tara	2	6	I	1	5	CT	5	6	6	6	5
11/1	Tara	2	3	I	1	0	CT	6	6	7	6	5
11/1	Tara	2	17	N	1	5	CT	5	5	5	5	4
11/1	Tara	2	15	N	2	0	CT	5	6	7	6	3
11/1	Tara	2	1	N	0	0	CT	.	.	.	.	.
11/1	Randi	2	12	I	1	20	CT	6	6	7	6	4
11/1	Randi	2	8	I	0	10	CT	5	5	5	5	3
11/1	Randi	2	14	N	1	0	CT	5	6	6	6	3
11/1	Randi	2	9	I	1	10	CT	5	5	6	5	3
11/1	Randi	2	18	N	2	5	CT	5	5	6	5	2
11/1	Randi	2	22	N	0	20	CT	6	6	6	6	3
11/1	Randi	2	2	I	0	0	CT	6	6	7	6	3
11/1	Randi	2	24	N	2	20	CT	5	6	6	6	3
11/1	Randi	2	5	I	0	5	CT	5	6	7	6	3

11/1	Randi	2	23	N	1	20	CT	5	5	6	5	3
11/1	Randi	2	20	N	1	10	CT	6	6	6	6	4
11/1	Randi	2	19	N	0	10	CT	6	6	6	5	3
11/1	Randi	2	10	I	2	10	CT	6	6	6	6	4
11/1	Randi	2	13	I	2	20	CT	6	6	5	5	3
11/1	Randi	2	11	I	0	20	CT	6	6	6	6	3
11/1	Randi	2	21	N	2	10	CT	6	6	6	6	3
11/1	Randi	2	7	I	2	5	CT	5	6	6	5	3
11/1	Randi	2	16	N	0	5	CT	5	6	6	5	3
11/1	Randi	2	4	I	2	0	CT	5	6	6	5	4
11/1	Randi	2	6	I	1	5	CT	6	6	6	5	3
11/1	Randi	2	3	I	1	0	CT	6	6	6	6	3
11/1	Randi	2	17	N	1	5	CT	5	6	6	5	3
11/1	Randi	2	15	N	2	0	CT	5	5	6	5	3
11/1	Randi	2	1	N	0	0	CT	.	.	.	.	.
11/1/202		Teresa	2	12	I	1	20	CT	6	7	7	7	5
11/1/202		Teresa	2	8	I	0	10	CT	5	6	6	6	4
11/1/202		Teresa	2	14	N	1	0	CT	5	5	6	5	3
11/1/202		Teresa	2	9	I	1	10	CT	7	6	5	5	4
11/1/202		Teresa	2	18	N	2	5	CT	6	6	6	6	3
11/1/202		Teresa	2	22	N	0	20	CT	6	6	7	6	4
11/1/202		Teresa	2	2	I	0	0	CT	7	7	5	6	4
11/1/202		Teresa	2	24	N	2	20	CT	6	6	5	6	3
11/1/202		Teresa	2	5	I	0	5	CT	6	6	5	6	4
11/1/202		Teresa	2	23	N	1	20	CT	6	7	5	6	3
11/1/202		Teresa	2	20	N	1	10	CT	6	7	6	7	3
11/1/202		Teresa	2	19	N	0	10	CT	6	6	4	5	3
11/1/202		Teresa	2	10	I	2	10	CT	5	5	5	5	3
11/1/202		Teresa	2	13	I	2	20	CT	7	6	5	6	3
11/1/202		Teresa	2	11	I	0	20	CT	7	5	6	5	4
11/1/202		Teresa	2	21	N	2	10	CT	6	6	5	6	3
11/1/202		Teresa	2	7	I	2	5	CT	5	6	6	6	3
11/1/202		Teresa	2	16	N	0	5	CT	5	5	5	5	3
11/1/202		Teresa	2	4	I	2	0	CT	5	6	6	6	3
11/1/202		Teresa	2	6	I	1	5	CT	6	6	7	6	4
11/1/202		Teresa	2	3	I	1	0	CT	6	6	5	6	4
11/1/202		Teresa	2	17	N	1	5	CT	7	6	7	6	3
11/1/202		Teresa	2	15	N	2	0	CT	5	6	5	6	3
11/1/202		Teresa	2	1	N	0	0	CT	.	.	.	.	.
11/2	Tara	2	13	I	2	20	BF	7	7	7	7	5
11/2	Tara	2	15	N	2	0	BF	5	5	6	5	4
11/2	Tara	2	7	I	2	5	BF	5	6	6	6	4
11/2	Tara	2	23	N	1	20	BF	4	3	4	3	3

11/2	Tara	2	22	N	0	20	BF	4	5	5	5	4
11/2	Tara	2	14	N	1	0	BF	4	4	5	4	5
11/2	Tara	2	10	I	2	10	BF	6	7	8	7	4
11/2	Tara	2	2	I	0	0	BF	5	5	6	5	4
11/2	Tara	2	24	N	2	20	BF	4	5	6	5	4
11/2	Tara	2	17	N	1	5	BF	4	3	4	4	4
11/2	Tara	2	1	N	0	0	BF	5	6	7	6	4
11/2	Tara	2	11	I	0	20	BF	6	6	6	6	6
11/2	Tara	2	16	N	0	5	BF	4	5	6	5	4
11/2	Tara	2	12	I	1	20	BF	5	5	7	5	4
11/2	Tara	2	8	I	0	10	BF	5	6	7	6	5
11/2	Tara	2	18	N	2	5	BF	4	6	7	6	5
11/2	Tara	2	21	N	2	10	BF	4	6	6	6	4
11/2	Tara	2	4	I	2	0	BF	5	5	5	5	6
11/2	Tara	2	9	I	1	10	BF	5	5	5	5	4
11/2	Tara	2	20	N	1	10	BF	4	2	4	3	3
11/2	Tara	2	19	N	0	10	BF	4	6	5	5	4
11/2	Tara	2	5	I	0	5	BF	5	3	4	3	5
11/2	Tara	2	6	I	1	5	BF	5	6	7	6	5
11/2	Tara	2	3	I	1	0	BF	6	5	6	5	6
11/2	Andy	2	13	I	2	20	BF	6	6	6	6	4
11/2	Andy	2	15	N	2	0	BF	7	7	6	7	5
11/2	Andy	2	7	I	2	5	BF	7	6	7	6	5
11/2	Andy	2	23	N	1	20	BF	5	6	6	6	3
11/2	Andy	2	22	N	0	20	BF	4	6	5	6	4
11/2	Andy	2	14	N	1	0	BF	4	5	5	5	3
11/2	Andy	2	10	I	2	10	BF	7	6	6	6	5
11/2	Andy	2	2	I	0	0	BF	5	3	4	4	3
11/2	Andy	2	24	N	2	20	BF	4	5	5	5	4
11/2	Andy	2	17	N	1	5	BF	5	5	5	5	4
11/2	Andy	2	1	N	0	0	BF	6	6	5	5	3
11/2	Andy	2	11	I	0	20	BF	7	6	5	5	5
11/2	Andy	2	16	N	0	5	BF	5	5	5	5	3
11/2	Andy	2	12	I	1	20	BF	6	7	6	7	4
11/2	Andy	2	8	I	0	10	BF	4	5	6	5	4
11/2	Andy	2	18	N	2	5	BF	5	6	6	4	5
11/2	Andy	2	21	N	2	10	BF	6	4	5	4	3
11/2	Andy	2	4	I	2	0	BF	7	6	6	6	5
11/2	Andy	2	9	I	1	10	BF	6	6	4	5	3
11/2	Andy	2	20	N	1	10	BF	5	3	5	3	4
11/2	Andy	2	19	N	0	10	BF	6	4	4	4	4
11/2	Andy	2	5	I	0	5	BF	4	5	6	5	5
11/2	Andy	2	6	I	1	5	BF	7	7	5	6	5

11/2	Andy	2	3	I	1	0	BF	6	6	6	6	4
11/2	Teresa	2	13	I	2	20	BF	7	7	7	7	5
11/2	Teresa	2	15	N	2	0	BF	6	6	7	6	4
11/2	Teresa	2	7	I	2	5	BF	6	7	7	7	4
11/2	Teresa	2	23	N	1	20	BF	4	5	7	5	3
11/2	Teresa	2	22	N	0	20	BF	5	5	5	5	4
11/2	Teresa	2	14	N	1	0	BF	4	5	6	5	3
11/2	Teresa	2	10	I	2	10	BF	7	7	6	7	4
11/2	Teresa	2	2	I	0	0	BF	6	5	6	5	4
11/2	Teresa	2	24	N	2	20	BF	5	5	6	5	4
11/2	Teresa	2	17	N	1	5	BF	4	5	7	5	3
11/2	Teresa	2	1	N	0	0	BF	5	6	7	6	4
11/2	Teresa	2	11	I	0	20	BF	4	5	6	5	4
11/2	Teresa	2	16	N	0	5	BF	5	5	5	5	3
11/2	Teresa	2	12	I	1	20	BF	6	6	7	6	4
11/2	Teresa	2	8	I	0	10	BF	4	6	7	6	4
11/2	Teresa	2	18	N	2	5	BF	5	6	5	5	1
11/2	Teresa	2	21	N	2	10	BF	5	5	5	5	3
11/2	Teresa	2	4	I	2	0	BF	6	6	6	6	5
11/2	Teresa	2	9	I	1	10	BF	6	6	5	5	5
11/2	Teresa	2	20	N	1	10	BF	5	5	5	5	3
11/2	Teresa	2	19	N	0	10	BF	5	6	6	6	4
11/2	Teresa	2	5	I	0	5	BF	4	5	5	5	3
11/2	Teresa	2	6	I	1	5	BF	7	7	7	7	4
11/2	Teresa	2	3	I	1	0	BF	6	6	5	5	4
11/2	Tracey	2	13	I	2	20	BF	5	6	6	6	4
11/2	Tracey	2	15	N	2	0	BF	4	5	6	5	3
11/2	Tracey	2	7	I	2	5	BF	5	6	6	6	3
11/2	Tracey	2	23	N	1	20	BF	4	5	6	5	3
11/2	Tracey	2	22	N	0	20	BF	5	5	5	5	4
11/2	Tracey	2	14	N	1	0	BF	4	5	5	5	3
11/2	Tracey	2	10	I	2	10	BF	6	7	7	7	4
11/2	Tracey	2	2	I	0	0	BF	5	4	6	5	4
11/2	Tracey	2	24	N	2	20	BF	5	5	5	5	3
11/2	Tracey	2	17	N	1	5	BF	3	5	6	5	3
11/2	Tracey	2	1	N	0	0	BF	3	5	5	5	3
11/2	Tracey	2	11	I	0	20	BF	4	5	5	5	4
11/2	Tracey	2	16	N	0	5	BF	3	4	5	4	3
11/2	Tracey	2	12	I	1	20	BF	5	5	6	5	4
11/2	Tracey	2	8	I	0	10	BF	4	5	6	5	3
11/2	Tracey	2	18	N	2	5	BF	6	7	7	7	3
11/2	Tracey	2	21	N	2	10	BF	4	4	5	4	3
11/2	Tracey	2	4	I	2	0	BF	5	6	6	6	4

11/2	Tracey	2	9	I	1	10	BF	5	5	5	5	3
11/2	Tracey	2	20	N	1	10	BF	3	5	6	5	3
11/2	Tracey	2	19	N	0	10	BF	3	3	4	3	3
11/2	Tracey	2	5	I	0	5	BF	4	4	4	4	3
11/2	Tracey	2	6	I	1	5	BF	5	6	6	6	4
11/2	Tracey	2	3	I	1	0	BF	4	4	4	4	3
11/2	Jason	2	13	I	2	20	BF	6	6	6	6	4
11/2	Jason	2	15	N	2	0	BF	5	6	6	6	4
11/2	Jason	2	7	I	2	5	BF	5	6	7	6	4
11/2	Jason	2	23	N	1	20	BF	4	6	4	5	4
11/2	Jason	2	22	N	0	20	BF	5	6	5	6	4
11/2	Jason	2	14	N	1	0	BF	3	5	4	5	4
11/2	Jason	2	10	I	2	10	BF	7	7	7	7	4
11/2	Jason	2	2	I	0	0	BF	6	6	6	6	4
11/2	Jason	2	24	N	2	20	BF	4	5	4	5	4
11/2	Jason	2	17	N	1	5	BF	4	4	4	4	4
11/2	Jason	2	1	N	0	0	BF	4	6	5	6	4
11/2	Jason	2	11	I	0	20	BF	5	6	4	5	5
11/2	Jason	2	16	N	0	5	BF	4	5	5	5	4
11/2	Jason	2	12	I	1	20	BF	5	6	5	6	4
11/2	Jason	2	8	I	0	10	BF	4	6	6	6	4
11/2	Jason	2	18	N	2	5	BF	4	5	6	5	4
11/2	Jason	2	21	N	2	10	BF	3	5	3	4	3
11/2	Jason	2	4	I	2	0	BF	5	6	5	6	4
11/2	Jason	2	9	I	1	10	BF	4	5	5	5	4
11/2	Jason	2	20	N	1	10	BF	4	6	7	6	4
11/2	Jason	2	19	N	0	10	BF	4	5	6	5	4
11/2	Jason	2	5	I	0	5	BF	5	6	5	6	4
11/2	Jason	2	6	I	1	5	BF	5	6	7	6	4
11/2	Jason	2	3	I	1	0	BF	5	5	5	5	4
11/3	Andy	3	2	I	0	0	CT	4	6	6	6	4
11/3	Andy	3	11	I	0	20	CT	6	4	5	4	3
11/3	Andy	3	22	N	0	20	CT	4	3	6	3	4
11/3	Andy	3	19	N	0	10	CT	6	5	5	5	3
11/3	Andy	3	12	I	1	20	CT	4	7	6	7	4
11/3	Andy	3	21	N	2	10	CT	6	5	4	5	3
11/3	Andy	3	1	N	0	0	CT	4	4	4	4	4
11/3	Andy	3	18	N	2	5	CT	6	7	7	7	3
11/3	Andy	3	4	I	2	0	CT	6	6	6	6	5
11/3	Andy	3	23	N	1	20	CT	4	7	6	7	5
11/3	Andy	3	16	N	0	5	CT	3	5	6	5	4
11/3	Andy	3	5	I	0	5	CT	6	4	4	4	4
11/3	Andy	3	9	I	1	10	CT	5	5	5	5	5

11/3	Andy	3	3	I	1	0	CT	6	6	6	6	4
11/3	Andy	3	10	I	2	10	CT	6	6	7	6	5
11/3	Andy	3	14	N	1	0	CT	7	6	5	6	4
11/3	Andy	3	13	I	2	20	CT	6	7	6	7	5
11/3	Andy	3	7	I	2	5	CT	5	5	6	5	5
11/3	Andy	3	15	N	2	0	CT	5	4	6	4	4
11/3	Andy	3	17	N	1	5	CT	5	5	5	5	5
11/3	Andy	3	6	I	1	5	CT	6	6	3	4	4
11/3	Andy	3	24	N	2	20	CT	6	6	6	6	3
11/3	Andy	3	20	N	1	10	CT	5	6	5	6	4
11/3	Andy	3	8	I	0	10	CT	.	.	.	.	.
11/3	Teresa	3	2	I	0	0	CT	5	6	6	6	4
11/3	Teresa	3	11	I	0	20	CT	4	5	5	5	3
11/3	Teresa	3	22	N	0	20	CT	3	4	5	4	3
11/3	Teresa	3	19	N	0	10	CT	4	5	4	4	3
11/3	Teresa	3	12	I	1	20	CT	5	6	6	5	4
11/3	Teresa	3	21	N	2	10	CT	6	6	7	6	3
11/3	Teresa	3	1	N	0	0	CT	4	5	5	5	3
11/3	Teresa	3	18	N	2	5	CT	5	6	7	6	3
11/3	Teresa	3	4	I	2	0	CT	6	7	7	7	3
11/3	Teresa	3	23	N	1	20	CT	5	6	5	5	4
11/3	Teresa	3	16	N	0	5	CT	4	5	6	5	3
11/3	Teresa	3	5	I	0	5	CT	6	7	7	7	3
11/3	Teresa	3	9	I	1	10	CT	4	5	5	5	4
11/3	Teresa	3	3	I	1	0	CT	6	7	6	7	3
11/3	Teresa	3	10	I	2	10	CT	6	7	7	7	3
11/3	Teresa	3	14	N	1	0	CT	5	6	5	5	3
11/3	Teresa	3	13	I	2	20	CT	6	6	6	6	3
11/3	Teresa	3	7	I	2	5	CT	5	5	4	4	4
11/3	Teresa	3	15	N	2	0	CT	5	6	4	5	3
11/3	Teresa	3	17	N	1	5	CT	4	5	6	5	3
11/3	Teresa	3	6	I	1	5	CT	6	6	7	6	3
11/3	Teresa	3	24	N	2	20	CT	6	6	6	6	4
11/3	Teresa	3	20	N	1	10	CT	5	6	6	6	4
11/3	Teresa	3	8	I	0	10	CT	.	.	.	.	.
11/3	Jason	3	2	I	0	0	CT	5	6	7	6	4
11/3	Jason	3	11	I	0	20	CT	4	5	6	5	3
11/3	Jason	3	22	N	0	20	CT	3	5	7	5	4
11/3	Jason	3	19	N	0	10	CT	4	6	5	6	4
11/3	Jason	3	12	I	1	20	CT	4	6	7	6	5
11/3	Jason	3	21	N	2	10	CT	5	3	5	3	4
11/3	Jason	3	1	N	0	0	CT	5	5	6	5	4
11/3	Jason	3	18	N	2	5	CT	5	7	7	7	4

11/3	Jason	3	4	I	2	0	CT	4	5	6	5	3
11/3	Jason	3	23	N	1	20	CT	4	6	7	6	4
11/3	Jason	3	16	N	0	5	CT	3	7	6	6	4
11/3	Jason	3	5	I	0	5	CT	7	7	7	7	6
11/3	Jason	3	9	I	1	10	CT	4	6	6	6	3
11/3	Jason	3	3	I	1	0	CT	7	7	7	7	5
11/3	Jason	3	10	I	2	10	CT	5	6	7	6	3
11/3	Jason	3	14	N	1	0	CT	6	5	4	4	5
11/3	Jason	3	13	I	2	20	CT	6	7	7	7	4
11/3	Jason	3	7	I	2	5	CT	4	5	6	5	4
11/3	Jason	3	15	N	2	0	CT	4	5	5	5	4
11/3	Jason	3	17	N	1	5	CT	3	6	6	6	4
11/3	Jason	3	6	I	1	5	CT	6	7	7	7	5
11/3	Jason	3	24	N	2	20	CT	5	5	6	5	4
11/3	Jason	3	20	N	1	10	CT	6	6	5	6	4
11/3	Jason	3	8	I	0	10	CT	.	.	.	.	.
11/3	Tracey	3	2	I	0	0	CT	5	6	7	6	4
11/3	Tracey	3	11	I	0	20	CT	5	6	7	6	3
11/3	Tracey	3	22	N	0	20	CT	3	5	6	5	3
11/3	Tracey	3	19	N	0	10	CT	4	6	6	6	3
11/3	Tracey	3	12	I	1	20	CT	5	5	5	5	3
11/3	Tracey	3	21	N	2	10	CT	4	5	6	5	3
11/3	Tracey	3	1	N	0	0	CT	4	5	5	5	3
11/3	Tracey	3	18	N	2	5	CT	5	6	6	6	3
11/3	Tracey	3	4	I	2	0	CT	5	6	6	6	3
11/3	Tracey	3	23	N	1	20	CT	4	6	7	6	3
11/3	Tracey	3	16	N	0	5	CT	5	5	6	5	3
11/3	Tracey	3	5	I	0	5	CT	6	7	7	7	3
11/3	Tracey	3	9	I	1	10	CT	4	6	7	6	3
11/3	Tracey	3	3	I	1	0	CT	6	7	7	7	4
11/3	Tracey	3	10	I	2	10	CT	5	6	6	6	5
11/3	Tracey	3	14	N	1	0	CT	5	6	6	6	3
11/3	Tracey	3	13	I	2	20	CT	6	7	7	7	4
11/3	Tracey	3	7	I	2	5	CT	5	5	5	5	3
11/3	Tracey	3	15	N	2	0	CT	6	6	6	6	3
11/3	Tracey	3	17	N	1	5	CT	5	6	7	6	3
11/3	Tracey	3	6	I	1	5	CT	5	7	7	7	5
11/3	Tracey	3	24	N	2	20	CT	5	6	7	6	3
11/3	Tracey	3	20	N	1	10	CT	5	6	6	6	3
11/3	Tracey	3	8	I	0	10	CT	.	.	.	.	.
11/3	Tara	3	2	I	0	0	CT	4	6	7	6	4
11/3	Tara	3	11	I	0	20	CT	4	5	6	5	4
11/3	Tara	3	22	N	0	20	CT	3	5	6	5	4

11/3	Tara	3	19	N	0	10	CT	4	5	6	5	4
11/3	Tara	3	12	I	1	20	CT	5	6	7	6	4
11/3	Tara	3	21	N	2	10	CT	4	3	4	3	5
11/3	Tara	3	1	N	0	0	CT	4	4	6	4	4
11/3	Tara	3	18	N	2	5	CT	5	6	7	6	4
11/3	Tara	3	4	I	2	0	CT	5	5	6	5	5
11/3	Tara	3	23	N	1	20	CT	4	6	7	6	5
11/3	Tara	3	16	N	0	5	CT	4	3	3	3	4
11/3	Tara	3	5	I	0	5	CT	6	6	6	6	5
11/3	Tara	3	9	I	1	10	CT	4	4	5	4	5
11/3	Tara	3	3	I	1	0	CT	5	6	7	6	4
11/3	Tara	3	10	I	2	10	CT	5	7	8	7	5
11/3	Tara	3	14	N	1	0	CT	5	3	4	3	4
11/3	Tara	3	13	I	2	20	CT	6	6	7	6	4
11/3	Tara	3	7	I	2	5	CT	4	3	4	3	4
11/3	Tara	3	15	N	2	0	CT	5	5	6	5	4
11/3	Tara	3	17	N	1	5	CT	4	5	7	6	3
11/3	Tara	3	6	I	1	5	CT	5	5	6	6	5
11/3	Tara	3	24	N	2	20	CT	6	6	7	6	4
11/3	Tara	3	20	N	1	10	CT	5	5	5	5	4
11/3	Tara	3	8	I	0	10	CT	.	.	.	.	.
11/3	Randi	3	2	I	0	0	CT	5	7	7	7	4
11/3	Randi	3	11	I	0	20	CT	5	6	5	5	3
11/3	Randi	3	22	N	0	20	CT	5	6	6	6	3
11/3	Randi	3	19	N	0	10	CT	5	5	5	5	3
11/3	Randi	3	12	I	1	20	CT	6	6	6	6	3
11/3	Randi	3	21	N	2	10	CT	5	6	7	6	3
11/3	Randi	3	1	N	0	0	CT	4	6	6	5	3
11/3	Randi	3	18	N	2	5	CT	5	6	6	5	2
11/3	Randi	3	4	I	2	0	CT	5	6	7	6	4
11/3	Randi	3	23	N	1	20	CT	5	7	7	7	3
11/3	Randi	3	16	N	0	5	CT	5	6	6	6	5
11/3	Randi	3	5	I	0	5	CT	6	7	6	6	4
11/3	Randi	3	9	I	1	10	CT	5	6	6	6	3
11/3	Randi	3	3	I	1	0	CT	6	7	7	7	3
11/3	Randi	3	10	I	2	10	CT	6	7	7	7	4
11/3	Randi	3	14	N	1	0	CT	6	6	6	6	3
11/3	Randi	3	13	I	2	20	CT	5	6	6	6	3
11/3	Randi	3	7	I	2	5	CT	5	6	6	5	3
11/3	Randi	3	15	N	2	0	CT	5	5	6	5	3
11/3	Randi	3	17	N	1	5	CT	5	6	5	5	3
11/3	Randi	3	6	I	1	5	CT	6	6	6	5	3
11/3	Randi	3	24	N	2	20	CT	6	6	6	6	3

11/3	Randi	3	20	N	1	10	CT	5	6	6	6	4
11/3	Randi	3	8	I	0	10	CT	.	.	.	.	.
11/4	Teresa	3	24	N	2	20	BF	5	5	5	5	4
11/4	Teresa	3	14	N	1	0	BF	6	6	7	6	3
11/4	Teresa	3	20	N	1	10	BF	4	6	5	5	4
11/4	Teresa	3	6	I	1	5	BF	4	5	6	5	3
11/4	Teresa	3	17	N	1	5	BF	4	5	5	5	3
11/4	Teresa	3	15	N	2	0	BF	5	5	5	5	4
11/4	Teresa	3	14	N	1	0	BF	4	6	7	6	3
11/4	Teresa	3	12	I	1	20	BF	5	6	6	6	4
11/4	Teresa	3	11	I	0	20	BF	5	5	6	5	4
11/4	Teresa	3	18	N	2	5	BF	6	5	5	5	4
11/4	Teresa	3	3	I	1	0	BF	5	6	7	6	3
11/4	Teresa	3	4	I	2	0	BF	5	6	5	5	3
11/4	Teresa	3	5	I	0	5	BF	6	6	7	6	3
11/4	Teresa	3	19	N	0	10	BF	4	5	6	5	3
11/4	Teresa	3	8	I	0	10	BF	6	6	5	5	3
11/4	Teresa	3	2	I	0	0	BF	5	6	5	5	4
11/4	Teresa	3	16	N	0	5	BF	6	6	5	5	3
11/4	Teresa	3	22	N	0	20	BF	6	6	6	6	3
11/4	Teresa	3	1	N	0	0	BF	6	6	5	5	3
11/4	Teresa	3	23	N	1	20	BF	5	5	4	4	4
11/4	Teresa	3	7	I	2	5	BF	.	.	.	.	.
11/4	Teresa	3	10	I	2	10	BF	4	5	6	5	3
11/4	Teresa	3	9	I	1	10	BF	5	6	6	6	3
11/4	Teresa	3	21	N	2	10	BF	5	6	7	6	3
11/4	Andy	3	24	N	2	20	BF	4	5	4	5	4
11/4	Andy	3	14	N	1	0	BF	6	6	5	6	6
11/4	Andy	3	20	N	1	10	BF	5	3	4	3	3
11/4	Andy	3	6	I	1	5	BF	6	5	5	5	4
11/4	Andy	3	17	N	1	5	BF	6	6	3	4	5
11/4	Andy	3	15	N	2	0	BF	5	6	6	6	4
11/4	Andy	3	14	N	1	0	BF	5	6	5	6	5
11/4	Andy	3	12	I	1	20	BF	6	6	6	6	6
11/4	Andy	3	11	I	0	20	BF	6	6	4	5	5
11/4	Andy	3	18	N	2	5	BF	6	7	5	6	4
11/4	Andy	3	3	I	1	0	BF	5	6	5	6	4
11/4	Andy	3	4	I	2	0	BF	5	5	5	5	5
11/4	Andy	3	5	I	0	5	BF	5	6	6	6	5
11/4	Andy	3	19	N	0	10	BF	6	5	6	5	4
11/4	Andy	3	8	I	0	10	BF	5	5	4	5	5
11/4	Andy	3	2	I	0	0	BF	5	6	3	4	4
11/4	Andy	3	16	N	0	5	BF	6	5	4	4	4

11/4	Andy	3	22	N	0	20	BF	5	4	5	4	3
11/4	Andy	3	1	N	0	0	BF	7	7	7	7	4
11/4	Andy	3	23	N	1	20	BF	4	4	4	4	5
11/4	Andy	3	3	I	1	0	BF	4	5	5	5	4
11/4	Andy	3	10	I	2	10	BF	3	6	4	5	4
11/4	Andy	3	9	I	1	10	BF	4	6	5	5	3
11/4	Andy	3	21	N	2	10	BF	4	6	6	6	3
11/4	Randi	3	24	N	2	20	BF	5	6	6	5	3
11/4	Randi	3	14	N	1	0	BF	6	6	6	6	4
11/4	Randi	3	20	N	1	10	BF	5	6	5	5	3
11/4	Randi	3	6	I	1	5	BF	5	6	6	6	3
11/4	Randi	3	17	N	1	5	BF	4	5	5	5	3
11/4	Randi	3	15	N	2	0	BF	6	6	6	6	3
11/4	Randi	3	14	N	1	0	BF	5	6	6	6	3
11/4	Randi	3	12	I	1	20	BF	4	6	6	6	4
11/4	Randi	3	11	I	0	20	BF	6	5	5	5	4
11/4	Randi	3	18	N	2	5	BF	5	6	6	6	4
11/4	Randi	3	3	I	1	0	BF	5	6	6	6	4
11/4	Randi	3	4	I	2	0	BF	6	6	6	6	4
11/4	Randi	3	5	I	0	5	BF	5	6	6	6	4
11/4	Randi	3	19	N	0	10	BF	6	6	5	5	3
11/4	Randi	3	8	I	0	10	BF	5	6	5	5	3
11/4	Randi	3	2	I	0	0	BF	5	6	5	4	3
11/4	Randi	3	16	N	0	5	BF	6	4	5	4	3
11/4	Randi	3	22	N	0	20	BF	5	5	6	5	3
11/4	Randi	3	1	N	0	0	BF	5	5	6	5	3
11/4	Randi	3	23	N	1	20	BF	5	5	6	5	3
11/4	Randi	3	7	I	2	5	BF	.	.	.	.	.
11/4	Randi	3	10	I	2	10	BF	5	5	6	5	3
11/4	Randi	3	9	I	1	10	BF	6	7	7	7	4
11/4	Randi	3	21	N	2	10	BF	5	6	6	5	3
11/4	Jason	3	24	N	2	20	BF	4	6	5	6	4
11/4	Jason	3	14	N	1	0	BF	5	6	6	6	4
11/4	Jason	3	20	N	1	10	BF	5	5	2	2	4
11/4	Jason	3	6	I	1	5	BF	4	6	5	6	4
11/4	Jason	3	17	N	1	5	BF	5	6	6	6	4
11/4	Jason	3	15	N	2	0	BF	4	6	6	6	5
11/4	Jason	3	14	N	1	0	BF	4	6	7	6	4
11/4	Jason	3	12	I	1	20	BF	5	7	7	7	4
11/4	Jason	3	11	I	0	20	BF	6	5	3	4	4
11/4	Jason	3	18	N	2	5	BF	5	5	4	5	5
11/4	Jason	3	3	I	1	0	BF	5	5	6	5	4
11/4	Jason	3	4	I	2	0	BF	4	6	6	6	4

11/4	Jason	3	5	I	0	5	BF	4	6	4	5	4
11/4	Jason	3	19	N	0	10	BF	4	6	6	6	3
11/4	Jason	3	8	I	0	10	BF	4	6	5	6	4
11/4	Jason	3	2	I	0	0	BF	5	6	6	6	4
11/4	Jason	3	16	N	0	5	BF	6	4	3	3	4
11/4	Jason	3	22	N	0	20	BF	5	6	5	6	4
11/4	Jason	3	1	N	0	0	BF	6	6	6	6	4
11/4	Jason	3	23	N	1	20	BF	5	6	5	6	4
11/4	Jason	3	10	N	2	10	BF	4	5	6	5	3
11/4	Jason	3	9	N	1	10	BF	5	6	5	6	4
11/4	Jason	3	21	N	2	10	BF	4	6	5	6	4
11/4	Jason	3	7	I	2	5	BF	.	.	.	.	.
11/4	Tracey	3	24	N	2	20	BF	3	4	4	4	3
11/4	Tracey	3	14	N	1	0	BF	5	6	6	6	4
11/4	Tracey	3	20	N	1	10	BF	5	6	6	6	4
11/4	Tracey	3	6	I	1	5	BF	3	6	6	6	3
11/4	Tracey	3	17	N	1	5	BF	4	5	5	5	3
11/4	Tracey	3	15	N	2	0	BF	5	7	6	6	3
11/4	Tracey	3	14	N	1	0	BF	4	7	7	7	3
11/4	Tracey	3	12	I	1	20	BF	4	6	7	6	4
11/4	Tracey	3	11	I	0	20	BF	5	6	6	6	3
11/4	Tracey	3	18	N	2	5	BF	5	6	6	3	3
11/4	Tracey	3	3	I	1	0	BF	4	6	6	6	3
11/4	Tracey	3	4	I	2	0	BF	5	7	7	7	4
11/4	Tracey	3	5	I	0	5	BF	5	6	6	6	4
11/4	Tracey	3	19	N	0	10	BF	4	5	6	5	3
11/4	Tracey	3	8	I	0	10	BF	5	6	7	6	4
11/4	Tracey	3	2	I	0	0	BF	4	6	6	6	3
11/4	Tracey	3	16	N	0	5	BF	5	5	5	5	3
11/4	Tracey	3	22	N	0	20	BF	4	5	6	5	3
11/4	Tracey	3	1	N	0	0	BF	5	7	7	7	3
11/4	Tracey	3	23	N	1	20	BF	5	6	7	6	3
11/4	Tracey	3	7	I	2	5	BF	.	.	.	.	.
11/4	Tracey	3	10	I	2	10	BF	5	6	7	6	4
11/4	Tracey	3	9	I	1	10	BF	5	7	7	7	4
11/4	Tracey	3	21	N	2	10	BF	5	7	7	7	3
12/4	Tracey	1	1	N	0	0	SL	5	5	6	5	4
12/4	Tracey	1	2	I	0	0	SL	6	7	7	7	5
12/4	Tracey	1	3	I	1	0	SL	6	6	7	6	4
12/4	Tracey	1	4	I	2	0	SL	6	8	8	8	4
12/4	Tracey	1	21	N	2	10	SL	7	7	7	7	3
12/4	Tracey	1	14	N	1	0	SL	5	5	6	5	3
12/4	Tracey	1	9	I	1	10	SL	6	8	8	8	5

12/4	Tracey	1	11	I	0	20	SL	5	5	6	5	3
12/4	Tracey	1	23	N	1	20	SL	6	6	7	6	4
12/4	Tracey	1	5	I	0	5	SL	6	7	7	7	5
12/4	Tracey	1	15	N	2	0	SL	6	6	7	6	3
12/4	Tracey	1	24	N	2	20	SL	5	6	7	6	3
12/4	Tracey	1	6	I	1	5	SL	6	7	7	7	5
12/4	Tracey	1	17	N	1	5	SL	5	6	7	6	3
12/4	Tracey	1	7	I	2	5	SL	6	6	7	6	4
12/4	Tracey	1	22	N	0	20	SL	6	5	7	5	3
12/4	Tracey	1	16	N	0	5	SL	.	.	.	.	.
12/4	Tracey	1	19	N	0	10	SL	.	.	.	.	.
12/4	Tracey	1	8	I	0	10	SL	.	.	.	.	.
12/4	Tracey	1	10	I	2	10	SL	.	.	.	.	.
12/4	Tracey	1	12	I	1	20	SL	.	.	.	.	.
12/4	Tracey	1	13	I	2	20	SL	.	.	.	.	.
12/4	Tracey	1	18	N	2	5	SL	.	.	.	.	.
12/4	Tracey	1	20	N	1	10	SL	.	.	.	.	.
12/4	Teresa	1	1	N	0	0	SL	4	4	5	4	3
12/4	Teresa	1	2	I	0	0	SL	6	6	7	6	4
12/4	Teresa	1	3	I	1	0	SL	4	5	6	5	4
12/4	Teresa	1	4	I	2	0	SL	5	6	6	6	4
12/4	Teresa	1	21	N	2	10	SL	7	6	6	6	2
12/4	Teresa	1	14	N	1	0	SL	6	5	5	5	2
12/4	Teresa	1	9	I	1	10	SL	5	6	7	6	4
12/4	Teresa	1	11	I	0	20	SL	5	5	5	5	3
12/4	Teresa	1	23	N	1	20	SL	5	6	7	6	3
12/4	Teresa	1	5	I	0	5	SL	6	6	7	6	4
12/4	Teresa	1	15	N	2	0	SL	4	6	5	5	3
12/4	Teresa	1	24	N	2	20	SL	3	5	7	5	3
12/4	Teresa	1	6	I	1	5	SL	5	5	6	5	3
12/4	Teresa	1	17	N	1	5	SL	4	5	6	5	3
12/4	Teresa	1	7	I	2	5	SL	5	6	7	6	3
12/4	Teresa	1	22	N	0	20	SL	4	5	5	5	3
12/4	Teresa	1	16	N	0	5	SL	5	5	5	5	3
12/4	Teresa	1	19	N	0	10	SL	4	5	6	5	3
12/4	Teresa	1	8	I	0	10	SL	.	.	.	.	.
12/4	Teresa	1	10	I	2	10	SL	.	.	.	.	.
12/4	Teresa	1	12	I	1	20	SL	.	.	.	.	.
12/4	Teresa	1	13	I	2	20	SL	.	.	.	.	.
12/4	Teresa	1	18	N	2	5	SL	.	.	.	.	.
12/4	Teresa	1	20	N	1	10	SL	.	.	.	.	.
12/4	Randi	1	1	N	0	0	SL	6	6	7	6	4
12/4	Randi	1	2	I	0	0	SL	6	7	7	7	4

12/4	Randi	1	3	I	1	0	SL	5	6	7	6	3
12/4	Randi	1	4	I	2	0	SL	7	7	7	7	4
12/4	Randi	1	21	N	2	10	SL	7	6	6	6	3
12/4	Randi	1	14	N	1	0	SL	6	4	5	4	3
12/4	Randi	1	9	I	1	10	SL	4	6	7	6	3
12/4	Randi	1	11	I	0	20	SL	5	5	5	4	3
12/4	Randi	1	23	N	1	20	SL	6	6	6	6	2
12/4	Randi	1	5	I	0	5	SL	6	7	7	7	4
12/4	Randi	1	15	N	2	0	SL	5	5	6	5	3
12/4	Randi	1	24	N	2	20	SL	5	6	6	6	3
12/4	Randi	1	6	I	1	5	SL	6	6	7	6	4
12/4	Randi	1	17	N	1	5	SL	5	6	7	6	3
12/4	Randi	1	7	I	2	5	SL	5	6	7	6	3
12/4	Randi	1	22	N	0	20	SL	6	6	6	6	3
12/4	Randi	1	16	N	0	5	SL	5	6	7	6	3
12/4	Randi	1	19	N	0	10	SL	5	5	6	5	3
12/4	Randi	1	8	I	0	10	SL	.	.	.	.	.
12/4	Randi	1	10	I	2	10	SL	.	.	.	.	.
12/4	Randi	1	12	I	1	20	SL	.	.	.	.	.
12/4	Randi	1	13	I	2	20	SL	.	.	.	.	.
12/4	Randi	1	18	N	2	5	SL	.	.	.	.	.
12/4	Randi	1	20	N	1	10	SL	.	.	.	.	.
12/4	Liz	1	1	N	0	0	SL	7	5	6	6	6
12/4	Liz	1	2	I	0	0	SL	5	6	4	5	6
12/4	Liz	1	3	I	1	0	SL	5	8	7	7	5
12/4	Liz	1	4	I	2	0	SL	7	8	8	8	6
12/4	Liz	1	21	N	2	10	SL	6	7	7	7	3
12/4	Liz	1	14	N	1	0	SL	4	5	6	5	2
12/4	Liz	1	9	I	1	10	SL	4	6	7	6	4
12/4	Liz	1	11	I	0	20	SL	4	5	5	5	3
12/4	Liz	1	23	N	1	20	SL	5	8	7	7	2
12/4	Liz	1	5	I	0	5	SL	5	8	8	8	3
12/4	Liz	1	15	N	2	0	SL	4	6	5	6	2
12/4	Liz	1	24	N	2	20	SL	4	6	6	6	2
12/4	Liz	1	6	I	1	5	SL	3	7	6	6	3
12/4	Liz	1	17	N	1	5	SL	4	7	7	7	2
12/4	Liz	1	7	I	2	5	SL	4	7	6	7	3
12/4	Liz	1	22	N	0	20	SL	5	7	7	7	2
12/4	Liz	1	16	N	0	5	SL	4	5	5	5	3
12/4	Liz	1	19	N	0	10	SL	5	6	7	6	3
12/4	Liz	1	8	I	0	10	SL	.	.	.	.	.
12/4	Liz	1	10	I	2	10	SL	.	.	.	.	.
12/4	Liz	1	12	I	1	20	SL	.	.	.	.	.

12/4	Liz	1	13	I	2	20	SL	.	.	.	.	.
12/4	Liz	1	18	N	2	5	SL	.	.	.	.	.
12/4	Liz	1	20	N	1	10	SL	.	.	.	.	.
12/5	Liz	1	21	N	2	10	TB	4	4	5	5	4
12/5	Liz	1	1	N	0	0	TB	5	4	6	5	3
12/5	Liz	1	19	N	0	10	TB	4	5	6	5	4
12/5	Liz	1	10	I	2	10	TB	3	6	7	6	3
12/5	Liz	1	14	N	1	0	TB	4	7	7	7	2
12/5	Liz	1	12	I	1	20	TB	5	5	6	5	5
12/5	Liz	1	9	I	1	10	TB	5	5	6	5	4
12/5	Liz	1	15	N	2	0	TB	6	7	7	7	3
12/5	Liz	1	13	I	2	20	TB	3	7	7	7	3
12/5	Liz	1	11	I	0	20	TB	4	5	6	6	3
12/5	Liz	1	3	I	1	0	TB	5	7	7	7	3
12/5	Liz	1	17	N	1	5	TB	5	7	7	7	3
12/5	Liz	1	6	I	1	5	TB	7	6	7	6	4
12/5	Liz	1	4	I	2	0	TB	5	7	7	7	3
12/5	Liz	1	5	I	0	5	TB	2	7	8	7	3
12/5	Liz	1	22	N	0	20	TB	5	7	7	7	3
12/5	Liz	1	24	N	2	20	TB	1	7	7	7	3
12/5	Liz	1	7	I	2	5	TB	6	7	6	7	4
12/5	Liz	1	20	N	1	10	TB	7	8	8	8	3
12/5	Liz	1	18	N	2	5	TB	3	7	7	7	3
12/5	Liz	1	16	N	0	5	TB	6	6	6	6	3
12/5	Liz	1	2	I	0	0	TB	5	7	7	7	4
12/5	Liz	1	23	N	1	20	TB	4	7	7	7	4
12/5	Liz	1	8	I	0	10	TB	.	.	.	.	.
12/5	Randi	1	21	N	2	10	TB	5	5	6	5	3
12/5	Randi	1	1	N	0	0	TB	5	6	6	6	3
12/5	Randi	1	19	N	0	10	TB	5	6	6	6	4
12/5	Randi	1	10	I	2	10	TB	5	6	6	6	3
12/5	Randi	1	14	N	1	0	TB	5	6	7	6	3
12/5	Randi	1	12	I	1	20	TB	6	6	6	5	4
12/5	Randi	1	9	I	1	10	TB	5	6	6	6	3
12/5	Randi	1	15	N	2	0	TB	6	6	6	6	3
12/5	Randi	1	13	I	2	20	TB	5	6	6	6	4
12/5	Randi	1	11	I	0	20	TB	4	6	6	6	3
12/5	Randi	1	3	I	1	0	TB	5	5	6	5	3
12/5	Randi	1	17	N	1	5	TB	5	6	7	6	3
12/5	Randi	1	6	I	1	5	TB	6	6	6	6	4
12/5	Randi	1	4	I	2	0	TB	6	6	6	6	3
12/5	Randi	1	5	I	0	5	TB	4	5	6	5	3
12/5	Randi	1	22	N	0	20	TB	5	5	6	5	3

12/5	Randi	1	24	N	2	20	TB	4	5	6	5	3
12/5	Randi	1	7	I	2	5	TB	6	6	5	5	4
12/5	Randi	1	20	N	1	10	TB	6	6	6	6	3
12/5	Randi	1	18	N	2	5	TB	5	5	6	5	3
12/5	Randi	1	16	N	0	5	TB	5	6	6	6	4
12/5	Randi	1	2	I	0	0	TB	6	6	6	6	3
12/5	Randi	1	23	N	1	20	TB	5	6	6	6	3
12/5	Randi	1	8	I	0	10	TB	.	.	.	.	.
12/5	Jason	1	21	N	2	10	TB	5	6	6	6	4
12/5	Jason	1	1	N	0	0	TB	6	6	6	6	4
12/5	Jason	1	19	N	0	10	TB	5	5	6	5	5
12/5	Jason	1	10	I	2	10	TB	5	6	7	6	4
12/5	Jason	1	14	N	1	0	TB	4	6	7	6	4
12/5	Jason	1	12	I	1	20	TB	5	6	5	6	4
12/5	Jason	1	9	I	1	10	TB	5	5	5	5	4
12/5	Jason	1	15	N	2	0	TB	6	6	6	6	4
12/5	Jason	1	13	I	2	20	TB	6	7	7	7	4
12/5	Jason	1	11	I	0	20	TB	4	6	7	6	4
12/5	Jason	1	3	I	1	0	TB	4	5	5	5	4
12/5	Jason	1	17	N	1	5	TB	5	6	6	6	4
12/5	Jason	1	6	I	1	5	TB	6	6	7	6	4
12/5	Jason	1	4	I	2	0	TB	6	6	6	6	4
12/5	Jason	1	5	I	0	5	TB	2	6	6	6	3
12/5	Jason	1	22	N	0	20	TB	4	6	5	6	4
12/5	Jason	1	24	N	2	20	TB	3	5	6	5	4
12/5	Jason	1	7	I	2	5	TB	4	6	6	6	4
12/5	Jason	1	20	N	1	10	TB	6	6	7	6	4
12/5	Jason	1	18	N	2	5	TB	5	6	6	6	4
12/5	Jason	1	16	N	0	5	TB	4	5	4	5	4
12/5	Jason	1	2	I	0	0	TB	5	7	7	7	4
12/5	Jason	1	23	N	1	20	TB	4	6	6	6	4
12/5	Jason	1	8	I	0	10	TB	.	.	.	.	.
12/5	Teresa	1	21	N	2	10	TB	4	6	7	6	3
12/5	Teresa	1	1	N	0	0	TB	5	5	6	5	4
12/5	Teresa	1	19	N	0	10	TB	5	6	5	5	4
12/5	Teresa	1	10	I	2	10	TB	5	6	7	6	4
12/5	Teresa	1	14	N	1	0	TB	4	5	5	5	4
12/5	Teresa	1	12	I	1	20	TB	5	6	5	5	5
12/5	Teresa	1	9	I	1	10	TB	6	6	6	6	3
12/5	Teresa	1	15	N	2	0	TB	6	6	6	6	4
12/5	Teresa	1	13	I	2	20	TB	4	6	7	6	5
12/5	Teresa	1	11	I	0	20	TB	4	5	6	5	3
12/5	Teresa	1	3	I	1	0	TB	6	4	6	4	4

12/5	Teresa	1	17	N	1	5	TB	4	5	5	5	3
12/5	Teresa	1	6	I	1	5	TB	5	5	5	5	5
12/5	Teresa	1	4	I	2	0	TB	5	5	6	5	3
12/5	Teresa	1	5	I	0	5	TB	3	5	7	5	4
12/5	Teresa	1	22	N	0	20	TB	5	6	6	6	5
12/5	Teresa	1	24	N	2	20	TB	3	5	6	5	5
12/5	Teresa	1	7	I	2	5	TB	5	4	4	4	3
12/5	Teresa	1	20	N	1	10	TB	6	6	7	6	4
12/5	Teresa	1	18	N	2	5	TB	4	5	5	5	4
12/5	Teresa	1	16	N	0	5	TB	5	6	5	5	4
12/5	Teresa	1	2	I	0	0	TB	4	6	4	4	3
12/5	Teresa	1	23	N	1	20	TB	5	6	7	6	4
12/5	Teresa	1	8	I	0	10	TB	.	.	.	.	.
12/5	Tracey	1	21	N	2	10	TB	5	7	7	7	4
12/5	Tracey	1	1	N	0	0	TB	6	7	7	7	3
12/5	Tracey	1	19	N	0	10	TB	5	7	7	7	3
12/5	Tracey	1	10	I	2	10	TB	4	8	8	8	3
12/5	Tracey	1	14	N	1	0	TB	5	5	6	5	3
12/5	Tracey	1	12	I	1	20	TB	7	7	7	7	5
12/5	Tracey	1	9	I	1	10	TB	6	7	7	7	4
12/5	Tracey	1	15	N	2	0	TB	7	7	7	7	4
12/5	Tracey	1	13	I	2	20	TB	5	6	7	6	5
12/5	Tracey	1	11	I	0	20	TB	5	6	7	6	3
12/5	Tracey	1	3	I	1	0	TB	6	6	7	6	4
12/5	Tracey	1	17	N	1	5	TB	6	7	7	7	4
12/5	Tracey	1	6	I	1	5	TB	7	8	8	8	5
12/5	Tracey	1	4	I	2	0	TB	6	7	7	7	4
12/5	Tracey	1	5	I	0	5	TB	3	5	6	5	3
12/5	Tracey	1	22	N	0	20	TB	4	6	7	6	3
12/5	Tracey	1	24	N	2	20	TB	2	5	6	5	3
12/5	Tracey	1	7	I	2	5	TB	6	6	7	6	5
12/5	Tracey	1	20	N	1	10	TB	7	7	7	7	4
12/5	Tracey	1	18	N	2	5	TB	4	6	7	6	3
12/5	Tracey	1	16	N	0	5	TB	3	5	6	5	3
12/5	Tracey	1	2	I	0	0	TB	6	7	7	7	4
12/5	Tracey	1	23	N	1	20	TB	5	7	7	7	3
12/5	Tracey	1	8	I	0	10	TB	.	.	.	.	.
12/6	Randi	2	1	N	0	0	SL	6	6	7	6	4
12/6	Randi	2	18	N	2	5	SL	7	7	7	7	3
12/6	Randi	2	11	I	0	20	SL	5	6	6	6	3
12/6	Randi	2	6	I	1	5	SL	6	7	7	7	4
12/6	Randi	2	8	I	0	10	SL	6	7	7	7	5
12/6	Randi	2	14	N	1	0	SL	6	6	7	6	3

12/6	Randi	2	21	N	2	10	SL	6	6	6	6	3
12/6	Randi	2	7	I	2	5	SL	6	7	7	7	4
12/6	Randi	2	15	N	2	0	SL	5	4	6	4	4
12/6	Randi	2	16	N	0	5	SL	6	6	6	6	3
12/6	Randi	2	5	I	0	5	SL	6	7	7	7	5
12/6	Randi	2	24	N	2	20	SL	5	7	7	7	3
12/6	Randi	2	10	I	2	10	SL	6	7	7	7	4
12/6	Randi	2	17	N	1	5	SL	6	6	7	6	3
12/6	Randi	2	13	I	2	20	SL	6	7	7	7	4
12/6	Randi	2	12	I	1	20	SL	6	6	6	6	4
12/6	Randi	2	4	I	2	0	SL	6	6	7	6	4
12/6	Randi	2	22	N	0	20	SL	6	5	6	5	3
12/6	Randi	2	19	N	0	10	SL	6	6	6	6	3
12/6	Randi	2	2	I	0	0	SL	.	.	.	.	.
12/6	Randi	2	3	I	1	0	SL	.	.	.	.	.
12/6	Randi	2	9	I	1	10	SL	.	.	.	.	.
12/6	Randi	2	20	N	1	10	SL	.	.	.	.	.
12/6	Randi	2	23	N	1	20	SL	.	.	.	.	.
12/6	Liz	2	1	N	0	0	SL	6	7	8	7	3
12/6	Liz	2	18	N	2	5	SL	8	8	7	8	2
12/6	Liz	2	11	I	0	20	SL	5	7	7	7	4
12/6	Liz	2	6	I	1	5	SL	5	8	8	8	4
12/6	Liz	2	8	I	0	10	SL	6	8	8	8	4
12/6	Liz	2	14	N	1	0	SL	5	8	8	8	2
12/6	Liz	2	21	N	2	10	SL	4	7	7	7	3
12/6	Liz	2	7	I	2	5	SL	5	5	4	4	5
12/6	Liz	2	15	N	2	0	SL	4	6	6	6	2
12/6	Liz	2	16	N	0	5	SL	6	6	7	6	2
12/6	Liz	2	5	I	0	5	SL	8	8	8	8	6
12/6	Liz	2	24	N	2	20	SL	5	7	6	7	2
12/6	Liz	2	10	I	2	10	SL	8	8	8	8	5
12/6	Liz	2	17	N	1	5	SL	6	6	6	6	3
12/6	Liz	2	13	I	2	20	SL	7	7	7	7	4
12/6	Liz	2	12	I	1	20	SL	7	5	5	5	3
12/6	Liz	2	4	I	2	0	SL	6	7	7	7	4
12/6	Liz	2	22	N	0	20	SL	4	6	6	6	3
12/6	Liz	2	19	N	0	10	SL	5	6	4	5	3
12/6	Liz	2	2	I	0	0	SL	.	.	.	.	.
12/6	Liz	2	3	I	1	0	SL	.	.	.	.	.
12/6	Liz	2	9	I	1	10	SL	.	.	.	.	.
12/6	Liz	2	20	N	1	10	SL	.	.	.	.	.
12/6	Liz	2	23	N	1	20	SL	.	.	.	.	.
12/6	Teresa	2	1	N	0	0	SL	6	6	5	6	4

12/6	Teresa	2	18	N	2	5	SL	7	7	7	7	4
12/6	Teresa	2	11	I	0	20	SL	4	5	6	5	4
12/6	Teresa	2	6	I	1	5	SL	5	7	7	7	4
12/6	Teresa	2	8	I	0	10	SL	6	7	7	7	5
12/6	Teresa	2	14	N	1	0	SL	6	5	5	5	4
12/6	Teresa	2	21	N	2	10	SL	5	7	6	7	3
12/6	Teresa	2	7	I	2	5	SL	6	6	5	6	4
12/6	Teresa	2	15	N	2	0	SL	5	6	5	5	4
12/6	Teresa	2	16	N	0	5	SL	6	5	5	5	3
12/6	Teresa	2	5	I	0	5	SL	5	7	7	7	5
12/6	Teresa	2	24	N	2	20	SL	5	6	7	6	4
12/6	Teresa	2	10	I	2	10	SL	6	6	6	6	4
12/6	Teresa	2	17	N	1	5	SL	5	6	5	5	5
12/6	Teresa	2	13	I	2	20	SL	5	6	6	6	3
12/6	Teresa	2	12	I	1	20	SL	6	6	5	5	4
12/6	Teresa	2	4	I	2	0	SL	5	6	6	6	4
12/6	Teresa	2	22	N	0	20	SL	6	6	7	6	3
12/6	Teresa	2	19	N	0	10	SL	5	5	5	5	4
12/6	Teresa	2	2	I	0	0	SL	.	.	.	.	.
12/6	Teresa	2	3	I	1	0	SL	.	.	.	.	.
12/6	Teresa	2	9	I	1	10	SL	.	.	.	.	.
12/6	Teresa	2	20	N	1	10	SL	.	.	.	.	.
12/6	Teresa	2	23	N	1	20	SL	.	.	.	.	.
12/6	Jason	2	1	N	0	0	SL	5	6	7	6	3
12/6	Jason	2	18	N	2	5	SL	6	7	7	7	3
12/6	Jason	2	11	I	0	20	SL	5	7	7	7	4
12/6	Jason	2	6	I	1	5	SL	6	7	7	7	4
12/6	Jason	2	8	I	0	10	SL	6	7	7	7	4
12/6	Jason	2	14	N	1	0	SL	5	7	7	7	4
12/6	Jason	2	21	N	2	10	SL	4	6	7	6	3
12/6	Jason	2	7	I	2	5	SL	6	7	7	7	3
12/6	Jason	2	15	N	2	0	SL	5	4	5	4	4
12/6	Jason	2	16	N	0	5	SL	5	5	5	5	4
12/6	Jason	2	5	I	0	5	SL	5	7	7	7	4
12/6	Jason	2	24	N	2	20	SL	5	6	7	6	4
12/6	Jason	2	10	I	2	10	SL	6	7	7	7	4
12/6	Jason	2	17	N	1	5	SL	5	5	6	5	4
12/6	Jason	2	13	I	2	20	SL	6	7	7	7	4
12/6	Jason	2	12	I	1	20	SL	6	5	6	6	4
12/6	Jason	2	4	I	2	0	SL	5	6	7	6	4
12/6	Jason	2	22	N	0	20	SL	4	6	6	6	4
12/6	Jason	2	19	N	0	10	SL	5	6	7	6	4
12/6	Jason	2	2	I	0	0	SL	.	.	.	.	.

12/6	Jason	2	3	I	1	0	SL	.	.	.	.	.
12/6	Jason	2	9	I	1	10	SL	.	.	.	.	.
12/6	Jason	2	20	N	1	10	SL	.	.	.	.	.
12/6	Jason	2	23	N	1	20	SL	.	.	.	.	.
12/6	Tracey	2	1	N	0	0	SL	6	7	7	7	5
12/6	Tracey	2	18	N	2	5	SL	5	7	7	7	4
12/6	Tracey	2	11	I	0	20	SL	5	6	7	6	5
12/6	Tracey	2	6	I	1	5	SL	6	8	8	8	5
12/6	Tracey	2	8	I	0	10	SL	5	6	7	6	5
12/6	Tracey	2	14	N	1	0	SL	5	6	6	6	4
12/6	Tracey	2	21	N	2	10	SL	6	8	8	8	4
12/6	Tracey	2	7	I	2	5	SL	5	8	8	8	5
12/6	Tracey	2	15	N	2	0	SL	6	5	6	5	4
12/6	Tracey	2	16	N	0	5	SL	6	7	7	7	4
12/6	Tracey	2	5	I	0	5	SL	5	7	7	7	5
12/6	Tracey	2	24	N	2	20	SL	5	6	7	6	4
12/6	Tracey	2	10	I	2	10	SL	6	8	8	8	5
12/6	Tracey	2	17	N	1	5	SL	6	5	6	5	4
12/6	Tracey	2	13	I	2	20	SL	5	6	7	6	4
12/6	Tracey	2	12	I	1	20	SL	6	6	6	6	5
12/6	Tracey	2	4	I	2	0	SL	5	6	7	6	4
12/6	Tracey	2	22	N	0	20	SL	6	7	7	7	4
12/6	Tracey	2	19	N	0	10	SL	5	7	7	7	3
12/6	Tracey	2	2	I	0	0	SL	.	.	.	.	.
12/6	Tracey	2	3	I	1	0	SL	.	.	.	.	.
12/6	Tracey	2	9	I	1	10	SL	.	.	.	.	.
12/6	Tracey	2	20	N	1	10	SL	.	.	.	.	.
12/6	Tracey	2	23	N	1	20	SL	.	.	.	.	.
12/7	Liz	2	22	N	0	20	TB	1	6	7	6	2
12/7	Liz	2	5	I	0	5	TB	4	5	5	5	3
12/7	Liz	2	14	N	1	0	TB	6	6	6	6	3
12/7	Liz	2	2	I	0	0	TB	5	4	6	5	3
12/7	Liz	2	16	N	0	5	TB	5	6	6	6	2
12/7	Liz	2	11	I	0	20	TB	6	7	6	6	2
12/7	Liz	2	8	I	0	10	TB	5	7	7	7	4
12/7	Liz	2	6	I	1	5	TB	6	8	7	8	4
12/7	Liz	2	20	N	1	10	TB	3	4	2	3	4
12/7	Liz	2	15	N	2	0	TB	4	5	5	5	4
12/7	Liz	2	10	I	2	10	TB	4	6	6	6	3
12/7	Liz	2	21	N	2	10	TB	4	6	6	6	3
12/7	Liz	2	24	N	2	20	TB	6	7	6	7	3
12/7	Liz	2	9	I	1	10	TB	6	8	7	8	4
12/7	Liz	2	13	I	2	20	TB	6	8	7	8	4

12/7	Liz	2	12	I	1	20	TB	7	6	7	6	3
12/7	Liz	2	17	N	1	5	TB	6	6	6	6	3
12/7	Liz	2	4	I	2	0	TB	6	6	6	6	4
12/7	Liz	2	1	N	0	0	TB	4	5	5	5	3
12/7	Liz	2	19	N	0	10	TB	5	5	6	5	3
12/7	Liz	2	23	N	1	20	TB	3	7	7	7	3
12/7	Liz	2	7	I	2	5	TB	5	7	7	7	4
12/7	Liz	2	3	I	1	0	TB	.	.	.	.	.
12/7	Liz	2	18	N	2	5	TB	.	.	.	.	.
12/7	Jason	2	22	N	0	20	TB	5	6	6	6	3
12/7	Jason	2	5	I	0	5	TB	5	5	6	5	4
12/7	Jason	2	14	N	1	0	TB	6	5	5	5	4
12/7	Jason	2	2	I	0	0	TB	5	4	5	4	4
12/7	Jason	2	16	N	0	5	TB	5	5	4	4	3
12/7	Jason	2	11	I	0	20	TB	5	6	6	6	4
12/7	Jason	2	8	I	0	10	TB	6	6	7	6	4
12/7	Jason	2	6	I	1	5	TB	5	6	6	6	3
12/7	Jason	2	20	N	1	10	TB	5	5	3	3	4
12/7	Jason	2	15	N	2	0	TB	4	6	5	6	4
12/7	Jason	2	10	I	2	10	TB	5	6	7	6	4
12/7	Jason	2	21	N	2	10	TB	4	5	6	5	4
12/7	Jason	2	24	N	2	20	TB	4	6	6	6	3
12/7	Jason	2	9	I	1	10	TB	5	6	7	6	4
12/7	Jason	2	13	I	2	20	TB	6	6	6	6	4
12/7	Jason	2	12	I	1	20	TB	5	5	3	4	3
12/7	Jason	2	17	N	1	5	TB	5	4	5	5	4
12/7	Jason	2	4	I	2	0	TB	5	5	4	4	4
12/7	Jason	2	1	N	0	0	TB	4	4	4	4	4
12/7	Jason	2	19	N	0	10	TB	5	6	7	6	4
12/7	Jason	2	23	N	1	20	TB	4	6	6	6	4
12/7	Jason	2	7	I	2	5	TB	4	6	6	6	4
12/7	Jason	2	3	I	1	0	TB	.	.	.	.	.
12/7	Jason	2	18	N	2	5	TB	.	.	.	.	.
12/7	Teresa	2	22	N	0	20	TB	5	6	6	6	3
12/7	Teresa	2	5	I	0	5	TB	6	6	6	6	3
12/7	Teresa	2	14	N	1	0	TB	6	5	6	5	3
12/7	Teresa	2	2	I	0	0	TB	5	4	6	4	3
12/7	Teresa	2	16	N	0	5	TB	5	5	6	5	2
12/7	Teresa	2	11	I	0	20	TB	6	6	7	6	4
12/7	Teresa	2	8	I	0	10	TB	5	6	5	6	3
12/7	Teresa	2	6	I	1	5	TB	5	6	7	6	3
12/7	Teresa	2	20	N	1	10	TB	5	6	5	5	3
12/7	Teresa	2	15	N	2	0	TB	5	6	6	6	3

12/7	Teresa	2	10	I	2	10	TB	6	6	8	6	3
12/7	Teresa	2	21	N	2	10	TB	5	5	6	5	5
12/7	Teresa	2	24	N	2	20	TB	5	5	7	5	4
12/7	Teresa	2	9	I	1	10	TB	6	7	8	7	3
12/7	Teresa	2	13	I	2	20	TB	5	5	7	5	3
12/7	Teresa	2	12	I	1	20	TB	5	6	5	5	3
12/7	Teresa	2	17	N	1	5	TB	5	5	5	5	3
12/7	Teresa	2	4	I	2	0	TB	6	6	7	6	4
12/7	Teresa	2	1	N	0	0	TB	5	5	6	5	4
12/7	Teresa	2	19	N	0	10	TB	6	6	5	6	4
12/7	Teresa	2	23	N	1	20	TB	5	6	7	6	4
12/7	Teresa	2	7	I	2	5	TB	5	6	8	6	4
12/7	Teresa	2	3	I	1	0	TB	.	.	.	.	.
12/7	Teresa	2	18	N	2	5	TB	.	.	.	.	.
12/7	Tracey	2	22	N	0	20	TB	4	6	7	6	3
12/7	Tracey	2	5	I	0	5	TB	4	5	6	5	3
12/7	Tracey	2	14	N	1	0	TB	6	5	6	5	3
12/7	Tracey	2	2	I	0	0	TB	5	6	6	6	4
12/7	Tracey	2	16	N	0	5	TB	5	6	7	6	3
12/7	Tracey	2	11	I	0	20	TB	5	6	6	6	3
12/7	Tracey	2	8	I	0	10	TB	5	7	7	7	4
12/7	Tracey	2	6	I	1	5	TB	6	8	8	8	4
12/7	Tracey	2	20	N	1	10	TB	3	4	5	4	3
12/7	Tracey	2	15	N	2	0	TB	4	5	6	5	3
12/7	Tracey	2	10	I	2	10	TB	3	6	7	6	4
12/7	Tracey	2	21	N	2	10	TB	5	7	7	7	3
12/7	Tracey	2	24	N	2	20	TB	4	6	6	6	3
12/7	Tracey	2	9	I	1	10	TB	5	7	7	7	4
12/7	Tracey	2	13	I	2	20	TB	5	6	7	6	3
12/7	Tracey	2	12	I	1	20	TB	4	6	7	6	3
12/7	Tracey	2	17	N	1	5	TB	5	5	6	5	3
12/7	Tracey	2	4	I	2	0	TB	5	6	7	6	4
12/7	Tracey	2	1	N	0	0	TB	4	5	6	5	3
12/7	Tracey	2	19	N	0	10	TB	4	6	6	6	3
12/7	Tracey	2	23	N	1	20	TB	4	6	6	6	3
12/7	Tracey	2	7	I	2	5	TB	4	7	7	7	4
12/7	Tracey	2	3	I	1	0	TB	.	.	.	.	.
12/7	Tracey	2	18	N	2	5	TB	.	.	.	.	.
12/11	Teresa	3	13	I	2	20	SL	6	7	7	7	3
12/11	Teresa	3	20	N	1	10	SL	5	6	8	6	2
12/11	Teresa	3	2	I	0	0	SL	5	5	6	5	4
12/11	Teresa	3	23	N	1	20	SL	5	5	5	5	3
12/11	Teresa	3	4	I	2	0	SL	5	5	6	5	4

12/11	Teresa	3	1	N	0	0	SL	5	5	4	4	3
12/11	Teresa	3	9	I	1	10	SL	6	6	5	5	4
12/11	Teresa	3	16	N	0	5	SL	6	7	7	7	3
12/11	Teresa	3	12	I	1	20	SL	5	7	7	7	3
12/11	Teresa	3	8	I	0	10	SL	5	7	8	7	4
12/11	Teresa	3	18	N	2	5	SL	5	6	5	5	3
12/11	Teresa	3	15	N	2	0	SL	6	6	7	6	3
12/11	Teresa	3	11	I	0	20	SL	5	6	6	6	4
12/11	Teresa	3	17	N	1	5	SL	4	5	7	5	3
12/11	Teresa	3	19	N	0	10	SL	5	6	5	5	4
12/11	Teresa	3	14	N	1	0	SL	5	5	5	5	3
12/11	Teresa	3	3	I	1	0	SL	6	7	8	7	4
12/11	Teresa	3	7	I	2	5	SL	7	7	7	7	4
12/11	Teresa	3	10	I	2	10	SL	7	7	8	7	4
12/11	Teresa	3	5	I	0	5	SL	6	6	6	6	4
12/11	Teresa	3	22	N	0	20	SL	4	5	5	5	3
12/11	Teresa	3	24	N	2	20	SL	5	5	4	4	3
12/11	Teresa	3	6	I	1	5	SL	5	7	7	7	5
12/11	Teresa	3	21	N	2	10	SL	6	5	4	4	4
12/11	Randi	3	13	I	2	20	SL	5	6	6	5	3
12/11	Randi	3	20	N	1	10	SL	5	6	7	6	3
12/11	Randi	3	2	I	0	0	SL	5	6	6	6	4
12/11	Randi	3	23	N	1	20	SL	5	5	7	5	3
12/11	Randi	3	4	I	2	0	SL	6	5	6	5	4
12/11	Randi	3	1	N	0	0	SL	5	4	6	4	3
12/11	Randi	3	9	I	1	10	SL	6	6	7	6	4
12/11	Randi	3	16	N	0	5	SL	5	6	7	6	3
12/11	Randi	3	12	I	1	20	SL	5	6	7	6	4
12/11	Randi	3	8	I	0	10	SL	5	6	7	6	5
12/11	Randi	3	18	N	2	5	SL	6	6	6	6	3
12/11	Randi	3	15	N	2	0	SL	6	6	6	6	3
12/11	Randi	3	11	I	0	20	SL	5	6	7	6	3
12/11	Randi	3	17	N	1	5	SL	6	6	7	6	4
12/11	Randi	3	19	N	0	10	SL	5	6	7	6	3
12/11	Randi	3	14	N	1	0	SL	5	5	5	5	3
12/11	Randi	3	3	I	1	0	SL	6	6	7	6	4
12/11	Randi	3	7	I	2	5	SL	6	7	7	7	4
12/11	Randi	3	10	I	2	10	SL	6	7	7	7	5
12/11	Randi	3	5	I	0	5	SL	6	6	7	6	4
12/11	Randi	3	22	N	0	20	SL	5	5	7	5	3
12/11	Randi	3	24	N	2	20	SL	5	6	7	5	3
12/11	Randi	3	6	I	1	5	SL	5	6	7	6	5
12/11	Randi	3	21	N	2	10	SL	5	4	6	4	3

12/11	Liz	3	13	I	2	20	SL	5	7	7	7	6
12/11	Liz	3	20	N	1	10	SL	5	8	7	7	3
12/11	Liz	3	2	I	0	0	SL	5	7	6	6	5
12/11	Liz	3	23	N	1	20	SL	3	8	8	8	2
12/11	Liz	3	4	I	2	0	SL	5	6	7	6	3
12/11	Liz	3	1	N	0	0	SL	6	6	7	6	2
12/11	Liz	3	9	I	1	10	SL	6	7	8	7	3
12/11	Liz	3	16	N	0	5	SL	6	7	7	7	3
12/11	Liz	3	12	I	1	20	SL	5	8	8	8	4
12/11	Liz	3	8	I	0	10	SL	5	8	7	8	5
12/11	Liz	3	18	N	2	5	SL	5	7	7	7	3
12/11	Liz	3	15	N	2	0	SL	6	7	7	7	3
12/11	Liz	3	11	I	0	20	SL	7	8	7	8	4
12/11	Liz	3	17	N	1	5	SL	6	8	7	8	5
12/11	Liz	3	19	N	0	10	SL	5	7	6	7	3
12/11	Liz	3	14	N	1	0	SL	5	6	5	6	2
12/11	Liz	3	3	I	1	0	SL	6	8	8	8	4
12/11	Liz	3	7	I	2	5	SL	6	8	8	8	4
12/11	Liz	3	10	I	2	10	SL	6	8	8	8	6
12/11	Liz	3	5	I	0	5	SL	6	7	7	7	3
12/11	Liz	3	22	N	0	20	SL	3	6	6	6	3
12/11	Liz	3	24	N	2	20	SL	6	6	5	6	3
12/11	Liz	3	6	I	1	5	SL	6	8	8	8	6
12/11	Liz	3	21	N	2	10	SL	5	5	5	5	3
12/11	Jason	3	13	I	2	20	SL	6	7	7	7	4
12/11	Jason	3	20	N	1	10	SL	5	7	7	7	4
12/11	Jason	3	2	I	0	0	SL	5	6	7	7	4
12/11	Jason	3	23	N	1	20	SL	5	7	7	7	4
12/11	Jason	3	4	I	2	0	SL	5	7	7	7	4
12/11	Jason	3	1	N	0	0	SL	4	6	5	5	4
12/11	Jason	3	9	I	1	10	SL	5	7	7	7	4
12/11	Jason	3	16	N	0	5	SL	5	7	7	7	5
12/11	Jason	3	12	I	1	20	SL	5	6	7	7	4
12/11	Jason	3	8	I	0	10	SL	5	7	7	7	5
12/11	Jason	3	18	N	2	5	SL	5	6	7	6	4
12/11	Jason	3	15	N	2	0	SL	5	6	7	6	4
12/11	Jason	3	11	I	0	20	SL	5	6	4	5	4
12/11	Jason	3	17	N	1	5	SL	5	6	6	6	3
12/11	Jason	3	19	N	0	10	SL	5	5	6	5	4
12/11	Jason	3	14	N	1	0	SL	4	6	6	6	4
12/11	Jason	3	3	I	1	0	SL	6	7	7	7	4
12/11	Jason	3	7	I	2	5	SL	6	8	8	8	4
12/11	Jason	3	10	I	2	10	SL	5	8	8	8	4

12/11	Jason	3	5	I	0	5	SL	5	7	7	7	4
12/11	Jason	3	22	N	0	20	SL	4	6	6	6	4
12/11	Jason	3	24	N	2	20	SL	5	6	5	5	4
12/11	Jason	3	6	I	1	5	SL	5	7	7	7	4
12/11	Jason	3	21	N	2	10	SL	6	4	4	4	4
12/11	Tracey	3	13	I	2	20	SL	4	6	7	6	5
12/11	Tracey	3	20	N	1	10	SL	5	6	7	6	4
12/11	Tracey	3	2	I	0	0	SL	7	7	7	7	5
12/11	Tracey	3	23	N	1	20	SL	6	6	6	6	4
12/11	Tracey	3	4	I	2	0	SL	6	6	7	6	5
12/11	Tracey	3	1	N	0	0	SL	6	5	6	5	4
12/11	Tracey	3	9	I	1	10	SL	6	6	7	6	5
12/11	Tracey	3	16	N	0	5	SL	7	7	7	7	3
12/11	Tracey	3	12	I	1	20	SL	5	6	7	6	4
12/11	Tracey	3	8	I	0	10	SL	6	6	6	6	5
12/11	Tracey	3	18	N	2	5	SL	7	7	7	7	3
12/11	Tracey	3	15	N	2	0	SL	7	6	7	6	3
12/11	Tracey	3	11	I	0	20	SL	6	6	7	6	5
12/11	Tracey	3	17	N	1	5	SL	5	5	6	5	3
12/11	Tracey	3	19	N	0	10	SL	8	8	8	8	4
12/11	Tracey	3	14	N	1	0	SL	7	6	6	6	3
12/11	Tracey	3	3	I	1	0	SL	6	6	6	6	5
12/11	Tracey	3	7	I	2	5	SL	5	6	7	6	5
12/11	Tracey	3	10	I	2	10	SL	5	6	7	6	4
12/11	Tracey	3	5	I	0	5	SL	5	6	7	6	5
12/11	Tracey	3	22	N	0	20	SL	4	5	6	5	3
12/11	Tracey	3	24	N	2	20	SL	5	5	5	5	3
12/11	Tracey	3	6	I	1	5	SL	6	6	6	6	5
12/11	Tracey	3	21	N	2	10	SL	6	5	6	5	3
12/12	Tracey	3	12	I	1	20	TB	5	6	6	6	5
12/12	Tracey	3	11	I	0	20	TB	6	6	6	6	4
12/12	Tracey	3	22	N	0	20	TB	5	7	7	7	4
12/12	Tracey	3	1	N	0	0	TB	5	6	6	6	4
12/12	Tracey	3	20	N	1	10	TB	4	5	6	5	3
12/12	Tracey	3	14	N	1	0	TB	5	7	7	7	4
12/12	Tracey	3	4	I	2	0	TB	6	6	7	6	3
12/12	Tracey	3	18	N	2	5	TB	4	5	6	5	3
12/12	Tracey	3	7	I	2	5	TB	4	5	6	5	5
12/12	Tracey	3	9	I	1	10	TB	4	5	6	5	4
12/12	Tracey	3	3	I	1	0	TB	4	5	6	5	3
12/12	Tracey	3	13	I	2	20	TB	4	5	6	5	4
12/12	Tracey	3	16	I	0	5	TB	3	5	5	5	3
12/12	Tracey	3	8	I	0	10	TB	3	4	5	4	4

12/12	Tracey	3	15	N	2	0	TB	5	5	6	5	3
12/12	Tracey	3	19	N	0	10	TB	5	5	5	5	3
12/12	Tracey	3	5	I	0	5	TB	5	6	6	6	4
12/12	Tracey	3	21	N	2	10	TB	6	5	5	5	4
12/12	Tracey	3	23	N	1	20	TB	4	4	5	4	3
12/12	Tracey	3	6	I	1	5	TB	3	5	5	5	3
12/12	Tracey	3	2	I	0	0	TB	6	6	6	6	4
12/12	Tracey	3	17	N	1	5	TB	5	5	6	5	3
12/12	Tracey	3	10	I	2	10	TB	5	5	5	5	3
12/12	Tracey	3	24	N	2	20	TB	5	6	6	6	3
12/12	Teresa	3	12	I	1	20	TB	5	6	7	6	4
12/12	Teresa	3	11	I	0	20	TB	5	6	6	6	4
12/12	Teresa	3	22	N	0	20	TB	6	6	5	5	4
12/12	Teresa	3	1	N	0	0	TB	6	6	5	5	3
12/12	Teresa	3	20	N	1	10	TB	5	6	5	5	4
12/12	Teresa	3	14	N	1	0	TB	6	6	6	6	4
12/12	Teresa	3	4	I	2	0	TB	6	6	6	6	3
12/12	Teresa	3	18	N	2	5	TB	4	5	5	5	3
12/12	Teresa	3	7	I	2	5	TB	5	6	6	6	4
12/12	Teresa	3	9	I	1	10	TB	4	5	5	5	4
12/12	Teresa	3	3	I	1	0	TB	4	5	7	5	4
12/12	Teresa	3	13	I	2	20	TB	4	5	4	4	3
12/12	Teresa	3	16	I	0	5	TB	4	5	5	5	4
12/12	Teresa	3	8	I	0	10	TB	5	6	6	6	3
12/12	Teresa	3	15	N	2	0	TB	4	5	4	4	4
12/12	Teresa	3	19	N	0	10	TB	6	5	4	4	4
12/12	Teresa	3	5	I	0	5	TB	6	6	7	6	4
12/12	Teresa	3	21	N	2	10	TB	6	6	4	4	3
12/12	Teresa	3	23	N	1	20	TB	5	5	4	4	3
12/12	Teresa	3	6	I	1	5	TB	3	4	5	4	3
12/12	Teresa	3	2	I	0	0	TB	6	6	6	6	4
12/12	Teresa	3	17	N	1	5	TB	5	5	4	4	4
12/12	Teresa	3	10	I	2	10	TB	6	5	5	5	3
12/12	Teresa	3	24	N	2	20	TB	5	4	4	4	3
12/12	Jason	3	12	I	1	20	TB	5	6	6	6	4
12/12	Jason	3	11	I	0	20	TB	5	6	6	6	4
12/12	Jason	3	22	N	0	20	TB	5	6	6	6	3
12/12	Jason	3	1	N	0	0	TB	5	5	6	5	4
12/12	Jason	3	20	N	1	10	TB	4	6	6	6	4
12/12	Jason	3	14	N	1	0	TB	6	4	5	4	4
12/12	Jason	3	4	I	2	0	TB	5	6	7	6	4
12/12	Jason	3	18	N	2	5	TB	4	6	7	6	4
12/12	Jason	3	7	I	2	5	TB	5	6	7	6	4

12/12	Jason	3	9	I	1	10	TB	4	6	6	6	4
12/12	Jason	3	3	I	1	0	TB	5	6	7	6	4
12/12	Jason	3	13	I	2	20	TB	5	5	4	4	4
12/12	Jason	3	16	I	0	5	TB	2	4	5	4	5
12/12	Jason	3	8	I	0	10	TB	2	5	5	5	3
12/12	Jason	3	15	N	2	0	TB	5	5	6	5	4
12/12	Jason	3	19	N	0	10	TB	4	5	4	4	4
12/12	Jason	3	5	I	0	5	TB	6	5	5	5	4
12/12	Jason	3	21	N	2	10	TB	5	6	6	6	4
12/12	Jason	3	23	N	1	20	TB	5	5	6	5	3
12/12	Jason	3	6	I	1	5	TB	4	5	4	5	4
12/12	Jason	3	2	I	0	0	TB	6	6	6	6	4
12/12	Jason	3	17	N	1	5	TB	5	5	4	5	4
12/12	Jason	3	10	I	2	10	TB	5	6	6	6	4
12/12	Jason	3	24	N	2	20	TB	5	6	6	6	4
12/12	Liz	3	12	I	1	20	TB	5	6	7	6	4
12/12	Liz	3	11	I	0	20	TB	5	6	5	6	5
12/12	Liz	3	22	N	0	20	TB	5	6	7	6	3
12/12	Liz	3	1	N	0	0	TB	5	5	5	5	5
12/12	Liz	3	20	N	1	10	TB	5	5	6	5	3
12/12	Liz	3	14	N	1	0	TB	6	5	6	5	3
12/12	Liz	3	4	I	2	0	TB	6	6	6	6	3
12/12	Liz	3	18	N	2	5	TB	5	6	5	6	3
12/12	Liz	3	7	I	2	5	TB	4	6	6	6	3
12/12	Liz	3	9	I	1	10	TB	4	7	8	7	3
12/12	Liz	3	3	I	1	0	TB	5	7	7	7	4
12/12	Liz	3	13	I	2	20	TB	5	6	6	6	3
12/12	Liz	3	16	I	0	5	TB	4	5	5	5	3
12/12	Liz	3	8	I	0	10	TB	4	7	6	7	3
12/12	Liz	3	15	N	2	0	TB	2	6	7	6	4
12/12	Liz	3	19	N	0	10	TB	4	6	6	6	4
12/12	Liz	3	5	I	0	5	TB	6	7	7	7	3
12/12	Liz	3	21	N	2	10	TB	5	5	4	5	4
12/12	Liz	3	23	N	1	20	TB	4	5	5	5	2
12/12	Liz	3	6	I	1	5	TB	4	6	6	6	2
12/12	Liz	3	2	I	0	0	TB	6	7	6	7	4
12/12	Liz	3	17	N	1	5	TB	5	6	5	5	4
12/12	Liz	3	10	I	2	10	TB	5	6	6	6	4
12/12	Liz	3	24	N	2	20	TB	2	5	6	5	3

DATE	PANELIST	REP	TRMT		BLADE	TUMBLE	MUSCLE	BEEFY	FAT	BLOODY	LIVER	MUSTY	SODA
10/31	Randi	1	17	N	1	5	CT	3	1	0	0	1	0
10/31	Randi	1	12	I	1	20	CT	3	1	0	0	0	0
10/31	Randi	1	20	N	1	10	CT	2	1	1	1	1	0
10/31	Randi	1	2	I	0	0	CT	2	2	0	0	1	0
10/31	Randi	1	7	I	2	5	CT	3	1	0	0	1	0
10/31	Randi	1	6	I	1	5	CT	2	1	0	1	1	0
10/31	Randi	1	10	I	2	10	CT	2	1	0	0	1	0
10/31	Randi	1	16	N	0	5	CT	3	1	1	0	0	0
10/31	Randi	1	13	I	2	20	CT	3	1	0	0	1	0
10/31	Randi	1	19	N	0	10	CT	3	1	1	0	0	0
10/31	Randi	1	1	N	0	0	CT	3	1	0	0	1	0
10/31	Randi	1	9	I	1	10	CT	3	1	1	0	1	0
10/31	Randi	1	18	N	2	5	CT	2	1	0	1	1	0
10/31	Randi	1	23	N	1	20	CT	3	1	0	0	1	0
10/31	Randi	1	15	N	2	0	CT	3	1	0	2	1	0
10/31	Randi	1	14	N	1	0	CT	3	1	0	0	1	0
10/31	Randi	1	4	I	2	0	CT	3	1	0	0	1	0
10/31	Randi	1	11	I	0	20	CT	3	1	0	1	1	0
10/31	Randi	1	24	N	2	20	CT	2	1	0	0	1	0
10/31	Randi	1	3	I	1	0	CT	2	1	0	0	2	0
10/31	Randi	1	22	N	0	20	CT	3	1	0	0	0	0
10/31	Randi	1	5	I	0	5	CT	3	1	0	0	0	0
10/31	Randi	1	21	N	2	10	CT	3	1	0	0	0	0
10/31	Randi	1	8	I	0	10	CT	3	1	0	1	1	0
10/31	Jason	1	17	N	1	5	CT	3	1	0	0	1	0
10/31	Jason	1	12	I	1	20	CT	3	1	0	0	1	0
10/31	Jason	1	20	N	1	10	CT	2	1	0	0	2	0
10/31	Jason	1	2	I	0	0	CT	3	2	0	0	0	0
10/31	Jason	1	7	I	2	5	CT	3	1	0	0	1	0
10/31	Jason	1	6	I	1	5	CT	2	1	0	0	2	0
10/31	Jason	1	10	I	2	10	CT	3	1	0	0	2	0
10/31	Jason	1	16	N	0	5	CT	3	1	0	0	0	0
10/31	Jason	1	13	I	2	20	CT	3	1	1	0	2	0
10/31	Jason	1	19	N	0	10	CT	3	2	0	0	0	0
10/31	Jason	1	1	N	0	0	CT	3	1	0	0	2	0
10/31	Jason	1	9	I	1	10	CT	3	1	0	1	1	0
10/31	Jason	1	18	N	2	5	CT	4	1	2	0	1	0
10/31	Jason	1	23	N	1	20	CT	3	1	0	1	2	0
10/31	Jason	1	15	N	2	0	CT	2	1	1	3	2	0
10/31	Jason	1	14	N	1	0	CT	3	1	1	0	0	0

10/31	Jason	1	4	I	2	0	CT	3	1	0	0	1	0
10/31	Jason	1	11	I	0	20	CT	3	1	0	2	2	0
10/31	Jason	1	24	N	2	20	CT	3	1	0	0	2	0
10/31	Jason	1	3	I	1	0	CT	3	2	0	0	0	0
10/31	Jason	1	22	N	0	20	CT	3	1	0	2	2	0
10/31	Jason	1	5	I	0	5	CT	4	2	0	0	1	0
10/31	Jason	1	21	N	2	10	CT	3	1	0	1	2	0
10/31	Jason	1	8	I	0	10	CT	3	0	0	0	1	0
10/31	Teresa	1	17	N	1	5	CT	3	1	0	0	0	0
10/31	Teresa	1	12	I	1	20	CT	3	1	0	0	0	0
10/31	Teresa	1	20	N	1	10	CT	3	1	0	0	1	0
10/31	Teresa	1	2	I	0	0	CT	3	2	0	0	0	0
10/31	Teresa	1	7	I	2	5	CT	3	1	0	0	0	0
10/31	Teresa	1	6	I	1	5	CT	3	1	0	0	0	0
10/31	Teresa	1	10	I	2	10	CT	3	1	0	0	2	0
10/31	Teresa	1	16	N	0	5	CT	3	1	0	0	0	0
10/31	Teresa	1	13	I	2	20	CT	3	1	0	0	0	0
10/31	Teresa	1	19	N	0	10	CT	3	1	0	0	0	0
10/31	Teresa	1	1	N	0	0	CT	3	1	0	0	3	0
10/31	Teresa	1	9	I	1	10	CT	3	1	0	0	1	0
10/31	Teresa	1	18	N	2	5	CT	3	1	0	0	2	0
10/31	Teresa	1	23	N	1	20	CT	3	1	0	0	2	0
10/31	Teresa	1	15	N	2	0	CT	3	1	0	0	0	0
10/31	Teresa	1	14	N	1	0	CT	3	1	0	0	0	0
10/31	Teresa	1	4	I	2	0	CT	3	2	0	0	1	0
10/31	Teresa	1	11	I	0	20	CT	3	1	0	0	0	0
10/31	Teresa	1	24	N	2	20	CT	3	1	0	0	2	0
10/31	Teresa	1	3	I	1	0	CT	3	1	0	0	0	0
10/31	Teresa	1	22	N	0	20	CT	3	1	0	0	2	0
10/31	Teresa	1	5	I	0	5	CT	3	1	0	0	0	0
10/31	Teresa	1	21	N	2	10	CT	3	1	0	0	0	0
10/31	Teresa	1	8	I	0	10	CT	3	2	0	0	0	0
10/31	Tracey	1	17	N	1	5	CT	3	1	0	0	0	0
10/31	Tracey	1	12	I	1	20	CT	3	1	0	0	0	0
10/31	Tracey	1	20	N	1	10	CT	3	1	0	0	0	0
10/31	Tracey	1	2	I	0	0	CT	3	1	1	0	0	0
10/31	Tracey	1	7	I	2	5	CT	3	1	0	0	0	0
10/31	Tracey	1	6	I	1	5	CT	3	1	0	0	0	0
10/31	Tracey	1	10	I	2	10	CT	3	1	0	0	1	0
10/31	Tracey	1	16	N	0	5	CT	3	1	1	0	2	0
10/31	Tracey	1	13	I	2	20	CT	3	1	1	0	0	0
10/31	Tracey	1	19	N	0	10	CT	3	3	1	0	2	0
10/31	Tracey	1	1	N	0	0	CT	3	2	2	1	2	0

10/31	Tracey	1	9	I	1	10	CT	3	1	1	0	0	0
10/31	Tracey	1	18	N	2	5	CT	3	1	2	0	1	0
10/31	Tracey	1	23	N	1	20	CT	3	1	1	0	2	0
10/31	Tracey	1	15	N	2	0	CT	3	1	0	0	0	0
10/31	Tracey	1	14	N	1	0	CT	3	1	1	0	1	0
10/31	Tracey	1	4	I	2	0	CT	3	1	2	0	1	0
10/31	Tracey	1	11	I	0	20	CT	3	1	1	0	0	0
10/31	Tracey	1	24	N	2	20	CT	3	2	1	0	2	0
10/31	Tracey	1	3	I	1	0	CT	3	1	0	0	1	0
10/31	Tracey	1	22	N	0	20	CT	3	1	0	0	2	0
10/31	Tracey	1	5	I	0	5	CT	3	1	0	0	0	0
10/31	Tracey	1	21	N	2	10	CT	3	1	0	0	0	0
10/31	Tracey	1	8	I	0	10	CT	3	1	0	0	1	0
10/30	Andy	1	11	I	0	20	BF	3	1	0	0	0	0
10/30	Andy	1	1	N	0	0	BF	2	1	1	0	1	0
10/30	Andy	1	4	I	2	0	BF	2	1	0	0	0	0
10/30	Andy	1	16	N	0	5	BF	3	2	1	0	1	0
10/30	Andy	1	24	N	2	20	BF	3	1	1	0	0	0
10/30	Andy	1	17	N	1	5	BF	2	1	1	1	0	0
10/30	Andy	1	5	I	0	5	BF	3	1	0	0	0	0
10/30	Andy	1	22	N	0	20	BF	2	1	0	0	0	0
10/30	Andy	1	13	I	2	20	BF	3	2	0	0	0	2
10/30	Andy	1	9	I	1	10	BF	3	2	0	0	0	0
10/30	Andy	1	21	N	2	10	BF	3	1	0	0	0	0
10/30	Andy	1	14	N	1	0	BF	3	2	1	2	0	0
10/30	Andy	1	3	I	1	0	BF	2	1	0	0	0	0
10/30	Andy	1	18	N	2	5	BF	3	2	0	0	0	0
10/30	Andy	1	7	I	2	5	BF	2	1	0	0	0	0
10/30	Andy	1	12	I	1	20	BF	3	1	0	0	0	0
10/30	Andy	1	10	I	2	10	BF	3	1	0	0	0	2
10/30	Andy	1	15	N	2	0	BF	3	2	1	0	1	0
10/30	Andy	1	23	N	1	20	BF	3	2	1	0	1	0
10/30	Andy	1	2	I	0	0	BF	2	2	0	0	0	1
10/30	Andy	1	8	I	0	10	BF	3	1	0	0	0	0
10/30	Andy	1	19	N	0	10	BF	3	1	1	0	0	0
10/30	Andy	1	6	I	1	5	BF	3	2	1	0	0	0
10/30	Andy	1	20	N	1	10	BF	3	1	1	0	0	0
10/30	Jason	1	11	I	0	20	BF	3	1	1	0	0	0
10/30	Jason	1	1	N	0	0	BF	3	1	1	0	0	0
10/30	Jason	1	4	I	2	0	BF	3	2	0	0	1	0
10/30	Jason	1	16	N	0	5	BF	4	1	0	0	0	0
10/30	Jason	1	24	N	2	20	BF	4	1	0	0	0	0
10/30	Jason	1	17	N	1	5	BF	3	1	0	0	0	0

10/30	Jason	1	5	I	0	5	BF	3	1	0	0	0	0
10/30	Jason	1	22	N	0	20	BF	4	1	0	0	0	0
10/30	Jason	1	13	I	2	20	BF	3	1	0	0	1	0
10/30	Jason	1	9	I	1	10	BF	5	3	1	0	1	0
10/30	Jason	1	21	N	2	10	BF	3	1	0	0	0	0
10/30	Jason	1	14	N	1	0	BF	3	2	0	0	0	0
10/30	Jason	1	3	I	1	0	BF	4	1	0	0	0	0
10/30	Jason	1	18	N	2	5	BF	3	1	0	0	1	0
10/30	Jason	1	7	I	2	5	BF	3	1	0	0	1	0
10/30	Jason	1	12	I	1	20	BF	3	1	1	0	0	0
10/30	Jason	1	10	I	2	10	BF	3	1	1	0	0	0
10/30	Jason	1	15	N	2	0	BF	3	2	0	0	1	0
10/30	Jason	1	23	N	1	20	BF	3	1	0	0	0	0
10/30	Jason	1	2	I	0	0	BF	3	2	1	0	0	0
10/30	Jason	1	8	I	0	10	BF	3	2	1	0	0	0
10/30	Jason	1	19	N	0	10	BF	3	1	0	0	0	0
10/30	Jason	1	6	I	0	5	BF	3	2	0	0	0	0
10/30	Jason	1	20	N	1	10	BF	3	1	0	0	0	0
10/30	Randi	1	11	I	0	20	BF	3	2	1	0	1	0
10/30	Randi	1	1	N	0	0	BF	3	1	0	0	1	0
10/30	Randi	1	4	I	2	0	BF	2	1	0	0	1	0
10/30	Randi	1	16	N	0	5	BF	1	1	1	0	0	0
10/30	Randi	1	24	N	2	20	BF	2	1	0	0	1	0
10/30	Randi	1	17	N	1	5	BF	3	1	0	0	0	0
10/30	Randi	1	5	I	0	5	BF	2	1	0	1	2	0
10/30	Randi	1	22	N	0	20	BF	2	1	1	0	0	0
10/30	Randi	1	13	I	2	20	BF	3	1	0	0	1	0
10/30	Randi	1	9	I	1	10	BF	3	1	0	0	0	0
10/30	Randi	1	21	N	2	10	BF	2	1	0	0	0	0
10/30	Randi	1	14	N	1	0	BF	3	1	0	0	0	0
10/30	Randi	1	3	I	1	0	BF	3	1	0	0	1	0
10/30	Randi	1	18	N	2	5	BF	3	1	0	0	0	0
10/30	Randi	1	7	I	2	5	BF	3	1	0	0	1	0
10/30	Randi	1	12	I	1	20	BF	3	1	0	0	1	0
10/30	Randi	1	10	I	2	10	BF	3	1	0	0	1	0
10/30	Randi	1	15	N	2	0	BF	3	1	0	0	0	0
10/30	Randi	1	23	N	1	20	BF	3	1	0	0	1	0
10/30	Randi	1	2	I	0	0	BF	2	2	0	0	1	0
10/30	Randi	1	8	I	0	10	BF	3	1	0	0	2	0
10/30	Randi	1	19	N	0	10	BF	3	1	1	0	0	0
10/30	Randi	1	6	I	0	5	BF	3	0	0	0	1	0
10/30	Randi	1	20	N	1	10	BF	3	1	1	0	0	0
10/30	Teresa	1	11	I	0	20	BF	3	1	0	0	0	0

10/30	Teresa	1	1	N	0	0	BF	3	1	0	3	0	0
10/30	Teresa	1	4	I	2	0	BF	3	1	0	0	0	0
10/30	Teresa	1	16	N	0	5	BF	3	1	0	1	0	0
10/30	Teresa	1	24	N	2	20	BF	3	1	0	0	0	0
10/30	Teresa	1	17	N	1	5	BF	3	1	0	0	0	0
10/30	Teresa	1	5	I	0	5	BF	2	1	0	0	0	0
10/30	Teresa	1	22	N	0	20	BF	2	1	0	0	0	0
10/30	Teresa	1	13	I	2	20	BF	3	1	0	0	0	0
10/30	Teresa	1	9	I	1	10	BF	3	2	0	0	0	0
10/30	Teresa	1	21	N	2	10	BF	2	1	0	0	0	0
10/30	Teresa	1	14	N	1	0	BF	3	1	0	0	0	0
10/30	Teresa	1	3	I	1	0	BF	3	1	0	0	0	0
10/30	Teresa	1	18	N	2	5	BF	3	1	0	0	0	0
10/30	Teresa	1	7	I	2	5	BF	3	1	0	0	0	0
10/30	Teresa	1	12	I	1	20	BF	3	1	0	0	0	0
10/30	Teresa	1	10	I	2	10	BF	3	1	0	0	0	0
10/30	Teresa	1	15	N	2	0	BF	2	1	0	2	0	0
10/30	Teresa	1	23	N	1	20	BF	2	1	0	0	0	0
10/30	Teresa	1	2	I	0	0	BF	3	1	0	0	0	0
10/30	Teresa	1	8	I	0	10	BF	3	1	0	0	0	0
10/30	Teresa	1	19	N	0	10	BF	2	1	0	0	0	0
10/30	Teresa	1	6	I	0	5	BF	2	1	0	0	0	0
10/30	Teresa	1	20	N	1	10	BF	3	1	0	1	0	0
10/30	Tracey	1	11	I	0	20	BF	3	1	0	0	0	0
10/30	Tracey	1	1	N	0	0	BF	3	2	1	0	0	0
10/30	Tracey	1	4	I	2	0	BF	3	1	0	0	0	0
10/30	Tracey	1	16	N	0	5	BF	3	1	2	0	0	0
10/30	Tracey	1	24	N	2	20	BF	3	1	2	1	0	0
10/30	Tracey	1	17	N	1	5	BF	3	1	0	0	0	0
10/30	Tracey	1	5	I	0	5	BF	3	1	0	0	0	0
10/30	Tracey	1	22	N	0	20	BF	3	1	2	0	0	0
10/30	Tracey	1	13	I	2	20	BF	3	1	0	0	0	0
10/30	Tracey	1	9	I	1	10	BF	3	2	0	0	0	0
10/30	Tracey	1	21	N	2	10	BF	3	1	0	0	0	0
10/30	Tracey	1	14	N	1	0	BF	3	1	2	1	1	0
10/30	Tracey	1	3	I	1	0	BF	3	1	0	0	0	0
10/30	Tracey	1	18	N	2	5	BF	3	1	1	1	0	0
10/30	Tracey	1	7	I	2	5	BF	3	1	0	0	0	0
10/30	Tracey	1	12	I	1	20	BF	3	2	0	1	0	0
10/30	Tracey	1	10	I	2	10	BF	3	1	0	0	0	0
10/30	Tracey	1	15	N	2	0	BF	3	2	0	1	0	0
10/30	Tracey	1	23	N	1	20	BF	3	2	2	0	0	0
10/30	Tracey	1	2	I	0	0	BF	3	1	0	0	0	0

10/30	Tracey	1	8	I	0	10	BF	3	1	0	0	0	0
10/30	Tracey	1	19	N	0	10	BF	3	1	2	1	0	0
10/30	Tracey	1	6	I	0	5	BF	3	2	1	1	0	0
10/30	Tracey	1	20	N	1	10	BF	3	1	2	0	0	0
11/1	Tracey	2	12	I	1	20	CT	3	1	1	0	0	0
11/1	Tracey	2	8	I	0	10	CT	4	1	1	0	1	0
11/1	Tracey	2	14	N	1	0	CT	3	1	2	0	2	0
11/1	Tracey	2	9	I	1	10	CT	3	1	1	0	2	0
11/1	Tracey	2	18	N	2	5	CT	3	2	1	0	0	0
11/1	Tracey	2	22	N	0	20	CT	3	1	0	0	0	0
11/1	Tracey	2	2	I	0	0	CT	3	1	2	0	1	0
11/1	Tracey	2	24	N	2	20	CT	3	1	0	0	0	0
11/1	Tracey	2	5	I	0	5	CT	3	1	0	0	1	0
11/1	Tracey	2	23	N	1	20	CT	3	1	2	0	0	0
11/1	Tracey	2	20	N	1	10	CT	4	1	0	0	1	0
11/1	Tracey	2	19	N	0	10	CT	3	1	2	0	0	0
11/1	Tracey	2	10	I	2	10	CT	3	1	0	0	1	0
11/1	Tracey	2	13	I	2	20	CT	3	1	0	0	0	0
11/1	Tracey	2	11	I	0	20	CT	3	1	0	0	0	0
11/1	Tracey	2	21	N	2	10	CT	3	1	1	0	1	0
11/1	Tracey	2	7	I	2	5	CT	3	1	0	0	2	0
11/1	Tracey	2	16	N	0	5	CT	3	1	0	0	1	0
11/1	Tracey	2	4	I	2	0	CT	3	2	0	0	0	0
11/1	Tracey	2	6	I	1	5	CT	4	2	1	0	0	0
11/1	Tracey	2	3	I	1	0	CT	3	1	0	0	1	0
11/1	Tracey	2	17	N	1	5	CT	3	2	1	0	1	0
11/1	Tracey	2	15	N	2	0	CT	.	.	.	.	.	.
11/1	Tracey	2	1	N	0	0	CT	.	.	.	.	.	.
11/1	Jason	2	12	I	1	20	CT	3	2	2	4	0	0
11/1	Jason	2	8	I	0	10	CT	3	1	0	0	0	0
11/1	Jason	2	14	N	1	0	CT	3	1	1	0	1	0
11/1	Jason	2	9	I	1	10	CT	1	0	1	2	0	0
11/1	Jason	2	18	N	2	5	CT	3	2	1	0	0	0
11/1	Jason	2	22	N	0	20	CT	3	2	0	0	2	0
11/1	Jason	2	2	I	0	0	CT	3	1	2	0	0	0
11/1	Jason	2	24	N	2	20	CT	3	1	0	0	1	0
11/1	Jason	2	5	I	0	5	CT	3	1	1	0	2	0
11/1	Jason	2	23	N	1	20	CT	3	1	0	0	2	0
11/1	Jason	2	20	N	1	10	CT	3	2	2	0	1	0
11/1	Jason	2	19	N	0	10	CT	3	2	0	1	2	0
11/1	Jason	2	10	I	2	10	CT	3	1	0	1	3	0
11/1	Jason	2	13	I	2	20	CT	1	0	0	0	0	0
11/1	Jason	2	11	I	0	20	CT	3	2	0	0	2	0

11/1	Jason	2	21	N	2	10	CT	3	3	0	2	2	0
11/1	Jason	2	7	I	2	5	CT	3	1	0	1	3	0
11/1	Jason	2	16	N	0	5	CT	3	1	0	2	2	0
11/1	Jason	2	4	I	2	0	CT	3	2	0	0	1	0
11/1	Jason	2	6	I	1	5	CT	3	2	0	4	4	0
11/1	Jason	2	3	I	1	0	CT	3	2	0	0	1	0
11/1	Jason	2	17	N	1	5	CT	3	1	0	0	1	0
11/1	Jason	2	15	N	2	0	CT	3	2	0	0	1	0
11/1	Jason	2	1	N	0	0	CT	.	.	.	.	.	.
11/1	Tara	2	12	I	1	20	CT	3	2	1	2	0	0
11/1	Tara	2	8	I	0	10	CT	4	1	0	1	1	0
11/1	Tara	2	14	N	1	0	CT	4	1	0	0	0	0
11/1	Tara	2	9	I	1	10	CT	3	1	0	2	0	0
11/1	Tara	2	18	N	2	5	CT	3	1	0	0	0	0
11/1	Tara	2	22	N	0	20	CT	4	1	0	0	0	0
11/1	Tara	2	2	I	0	0	CT	3	1	1	1	0	0
11/1	Tara	2	24	N	2	20	CT	4	1	0	0	0	1
11/1	Tara	2	5	I	0	5	CT	4	2	1	0	0	0
11/1	Tara	2	23	N	1	20	CT	3	2	0	0	1	1
11/1	Tara	2	20	N	1	10	CT	3	2	1	0	0	0
11/1	Tara	2	19	N	0	10	CT	3	1	0	0	1	1
11/1	Tara	2	10	I	2	10	CT	3	1	0	1	2	0
11/1	Tara	2	13	I	2	20	CT	3	2	1	0	1	0
11/1	Tara	2	11	I	0	20	CT	4	1	0	0	1	0
11/1	Tara	2	21	N	2	10	CT	3	1	0	0	1	0
11/1	Tara	2	7	I	2	5	CT	3	1	0	2	2	0
11/1	Tara	2	16	N	0	5	CT	3	1	0	3	2	0
11/1	Tara	2	4	I	2	0	CT	4	1	1	0	0	0
11/1	Tara	2	6	I	1	5	CT	4	1	0	0	0	1
11/1	Tara	2	3	I	1	0	CT	3	2	0	1	2	0
11/1	Tara	2	17	N	1	5	CT	3	1	0	0	0	0
11/1	Tara	2	15	N	2	0	CT	3	1	1	0	0	0
11/1	Tara	2	1	N	0	0	CT	.	.	.	.	.	.
11/1	Randi	2	12	I	1	20	CT	3	1	0	0	2	0
11/1	Randi	2	8	I	0	10	CT	3	1	1	0	1	0
11/1	Randi	2	14	N	1	0	CT	2	1	0	0	1	0
11/1	Randi	2	9	I	1	10	CT	3	1	1	0	1	0
11/1	Randi	2	18	N	2	5	CT	3	1	0	0	0	0
11/1	Randi	2	22	N	0	20	CT	3	2	0	0	0	0
11/1	Randi	2	2	I	0	0	CT	3	1	1	0	1	0
11/1	Randi	2	24	N	2	20	CT	3	1	0	0	0	0
11/1	Randi	2	5	I	0	5	CT	3	1	0	0	1	0
11/1	Randi	2	23	N	1	20	CT	3	1	1	0	1	0

11/1	Randi	2	20	N	1	10	CT	3	1	0	0	2	0		
11/1	Randi	2	19	N	0	10	CT	3	1	0	0	0	0		
11/1	Randi	2	10	I	2	10	CT	2	1	0	1	2	0		
11/1	Randi	2	13	I	2	20	CT	3	1	0	0	1	0		
11/1	Randi	2	11	I	0	20	CT	3	1	1	0	1	0		
11/1	Randi	2	21	N	2	10	CT	3	1	0	0	0	1		
11/1	Randi	2	7	I	2	5	CT	2	2	1	1	1	0		
11/1	Randi	2	16	N	0	5	CT	3	1	0	1	0	0		
11/1	Randi	2	4	I	2	0	CT	3	2	0	1	1	0		
11/1	Randi	2	6	I	1	5	CT	2	1	1	0	1	0		
11/1	Randi	2	3	I	1	0	CT	3	1	0	1	1	0		
11/1	Randi	2	17	N	1	5	CT	3	1	1	0	0	0		
11/1	Randi	2	15	N	2	0	CT	3	1	0	0	0	0		
11/1	Randi	2	1	N	0	0	CT	.	.	.	.	.	.		
11/1/202		Teresa	2	12	I	1	20	CT	3	1	0	0	3	0	
11/1/202		Teresa	2	8	I	0	10	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	14	N	1	0	CT	2	1	0	0	0	0	
11/1/202		Teresa	2	9	I	1	10	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	18	N	2	5	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	22	N	0	20	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	2	I	0	0	CT	3	1	0	0	2	0	
11/1/202		Teresa	2	24	N	2	20	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	5	I	0	5	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	23	N	1	20	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	20	N	1	10	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	19	N	0	10	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	10	I	2	10	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	13	I	2	20	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	11	I	0	20	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	21	N	2	10	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	7	I	2	5	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	16	N	0	5	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	4	I	2	0	CT	3	1	0	0	1	0	
11/1/202		Teresa	2	6	I	1	5	CT	3	1	0	0	3	0	
11/1/202		Teresa	2	3	I	1	0	CT	3	1	0	0	2	0	
11/1/202		Teresa	2	17	N	1	5	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	15	N	2	0	CT	3	1	0	0	0	0	
11/1/202		Teresa	2	1	N	0	0	CT	.	.	.	.	.	.	
11/2	Tara	2	13	I	2	20	BF	4	2	1	0	0	0		
11/2	Tara	2	15	N	2	0	BF	3	1	0	0	0	0		
11/2	Tara	2	7	I	2	5	BF	4	1	0	0	0	0		
11/2	Tara	2	23	N	1	20	BF	3	1	0	0	0	0		
11/2	Tara	2	22	N	0	20	BF	3	1	0	0	0	0		

11/2	Tara	2	14	N	1	0	BF	4	1	0	0	2	0
11/2	Tara	2	10	I	2	10	BF	3	2	1	0	0	0
11/2	Tara	2	2	I	0	0	BF	3	1	1	0	0	0
11/2	Tara	2	24	N	2	20	BF	3	1	0	0	0	0
11/2	Tara	2	17	N	1	5	BF	3	1	0	0	0	0
11/2	Tara	2	1	N	0	0	BF	4	1	1	0	0	0
11/2	Tara	2	11	I	0	20	BF	3	2	1	0	1	0
11/2	Tara	2	16	N	0	5	BF	4	1	0	0	0	0
11/2	Tara	2	12	I	1	20	BF	3	2	1	0	0	0
11/2	Tara	2	8	I	0	10	BF	4	1	1	0	0	0
11/2	Tara	2	18	N	2	5	BF	3	1	0	0	0	0
11/2	Tara	2	21	N	2	10	BF	3	1	0	0	0	0
11/2	Tara	2	4	I	2	0	BF	3	1	1	0	2	0
11/2	Tara	2	9	I	1	10	BF	3	1	0	0	1	0
11/2	Tara	2	20	N	1	10	BF	3	1	0	0	1	1
11/2	Tara	2	19	N	0	10	BF	4	1	1	0	0	0
11/2	Tara	2	5	I	0	5	BF	3	1	0	0	0	0
11/2	Tara	2	6	I	1	5	BF	4	1	1	0	0	0
11/2	Tara	2	3	I	1	0	BF	3	1	0	0	0	0
11/2	Andy	2	13	I	2	20	BF	3	1	0	0	0	0
11/2	Andy	2	15	N	2	0	BF	3	1	0	0	2	0
11/2	Andy	2	7	I	2	5	BF	2	1	0	0	0	0
11/2	Andy	2	23	N	1	20	BF	3	1	0	0	0	0
11/2	Andy	2	22	N	0	20	BF	3	1	0	0	0	0
11/2	Andy	2	14	N	1	0	BF	3	1	0	0	2	0
11/2	Andy	2	10	I	2	10	BF	2	1	0	0	0	0
11/2	Andy	2	2	I	0	0	BF	3	1	0	0	3	0
11/2	Andy	2	24	N	2	20	BF	3	1	1	0	3	0
11/2	Andy	2	17	N	1	5	BF	2	1	0	0	3	0
11/2	Andy	2	1	N	0	0	BF	2	1	0	0	0	0
11/2	Andy	2	11	I	0	20	BF	3	1	0	0	1	0
11/2	Andy	2	16	N	0	5	BF	3	1	0	0	0	0
11/2	Andy	2	12	I	1	20	BF	3	1	0	0	0	0
11/2	Andy	2	8	I	0	10	BF	2	1	0	0	2	0
11/2	Andy	2	18	N	2	5	BF	3	1	0	0	2	0
11/2	Andy	2	21	N	2	10	BF	3	1	0	0	1	0
11/2	Andy	2	4	I	2	0	BF	2	1	0	0	1	1
11/2	Andy	2	9	I	1	10	BF	3	1	0	1	0	0
11/2	Andy	2	20	N	1	10	BF	1	1	0	0	2	0
11/2	Andy	2	19	N	0	10	BF	3	2	0	0	1	0
11/2	Andy	2	5	I	0	5	BF	4	1	0	2	1	0
11/2	Andy	2	6	I	1	5	BF	3	1	0	0	0	0
11/2	Andy	2	3	I	1	0	BF	3	1	0	0	1	0

11/2	Teresa	2	13	I	2	20	BF	3	1	0	0	0	0
11/2	Teresa	2	15	N	2	0	BF	3	1	0	0	0	0
11/2	Teresa	2	7	I	2	5	BF	3	1	0	0	0	0
11/2	Teresa	2	23	N	1	20	BF	2	1	0	0	0	0
11/2	Teresa	2	22	N	0	20	BF	3	1	0	0	1	0
11/2	Teresa	2	14	N	1	0	BF	2	1	0	0	0	0
11/2	Teresa	2	10	I	2	10	BF	3	1	0	0	2	0
11/2	Teresa	2	2	I	0	0	BF	3	1	0	0	0	0
11/2	Teresa	2	24	N	2	20	BF	3	1	0	0	1	0
11/2	Teresa	2	17	N	1	5	BF	2	1	0	0	0	0
11/2	Teresa	2	1	N	0	0	BF	3	1	0	0	0	0
11/2	Teresa	2	11	I	0	20	BF	3	1	0	0	0	0
11/2	Teresa	2	16	N	0	5	BF	2	1	0	0	1	0
11/2	Teresa	2	12	I	1	20	BF	3	1	0	0	0	0
11/2	Teresa	2	8	I	0	10	BF	3	1	0	0	0	0
11/2	Teresa	2	18	N	2	5	BF	2	1	0	1	2	0
11/2	Teresa	2	21	N	2	10	BF	3	1	0	1	0	0
11/2	Teresa	2	4	I	2	0	BF	2	1	0	0	0	0
11/2	Teresa	2	9	I	1	10	BF	3	1	0	0	0	0
11/2	Teresa	2	20	N	1	10	BF	2	1	0	1	0	0
11/2	Teresa	2	19	N	0	10	BF	3	1	0	0	0	0
11/2	Teresa	2	5	I	0	5	BF	3	1	0	1	0	0
11/2	Teresa	2	6	I	1	5	BF	3	1	0	0	0	0
11/2	Teresa	2	3	I	1	0	BF	3	1	0	0	0	0
11/2	Tracey	2	13	I	2	20	BF	3	1	0	0	0	0
11/2	Tracey	2	15	N	2	0	BF	3	2	1	0	1	0
11/2	Tracey	2	7	I	2	5	BF	3	1	0	0	0	0
11/2	Tracey	2	23	N	1	20	BF	3	1	0	0	0	0
11/2	Tracey	2	22	N	0	20	BF	3	2	0	0	2	0
11/2	Tracey	2	14	N	1	0	BF	3	1	0	0	1	0
11/2	Tracey	2	10	I	2	10	BF	3	1	1	0	2	0
11/2	Tracey	2	2	I	0	0	BF	3	1	1	0	0	0
11/2	Tracey	2	24	N	2	20	BF	3	1	1	0	1	0
11/2	Tracey	2	17	N	1	5	BF	3	1	2	0	2	0
11/2	Tracey	2	1	N	0	0	BF	3	1	1	0	0	0
11/2	Tracey	2	11	I	0	20	BF	3	1	0	0	1	0
11/2	Tracey	2	16	N	0	5	BF	3	1	1	0	1	0
11/2	Tracey	2	12	I	1	20	BF	3	1	0	0	2	0
11/2	Tracey	2	8	I	0	10	BF	3	1	0	0	0	0
11/2	Tracey	2	18	N	2	5	BF	3	1	1	1	0	1
11/2	Tracey	2	21	N	2	10	BF	3	1	1	0	0	0
11/2	Tracey	2	4	I	2	0	BF	3	1	1	0	0	0
11/2	Tracey	2	9	I	1	10	BF	3	1	0	0	1	0

11/2	Tracey	2	20	N	1	10	BF	3	1	1	0	1	0
11/2	Tracey	2	19	N	0	10	BF	3	1	0	0	1	0
11/2	Tracey	2	5	I	0	5	BF	3	1	0	0	1	0
11/2	Tracey	2	6	I	1	5	BF	3	1	0	0	0	0
11/2	Tracey	2	3	I	1	0	BF	3	1	0	1	1	0
11/2	Jason	2	13	I	2	20	BF	3	2	1	0	2	0
11/2	Jason	2	15	N	2	0	BF	3	1	0	0	0	0
11/2	Jason	2	7	I	2	5	BF	3	2	0	0	2	0
11/2	Jason	2	23	N	1	20	BF	3	1	0	0	1	0
11/2	Jason	2	22	N	0	20	BF	3	1	1	0	2	0
11/2	Jason	2	14	N	1	0	BF	3	1	0	0	2	0
11/2	Jason	2	10	I	2	10	BF	4	2	1	0	1	0
11/2	Jason	2	2	I	0	0	BF	3	1	0	1	1	0
11/2	Jason	2	24	N	2	20	BF	3	1	0	1	0	0
11/2	Jason	2	17	N	1	5	BF	3	1	0	0	1	0
11/2	Jason	2	1	N	0	0	BF	4	1	1	0	1	0
11/2	Jason	2	11	I	0	20	BF	3	1	2	0	2	0
11/2	Jason	2	16	N	0	5	BF	3	1	0	2	1	0
11/2	Jason	2	12	I	1	20	BF	4	2	0	0	2	0
11/2	Jason	2	8	I	0	10	BF	3	1	0	0	2	0
11/2	Jason	2	18	N	2	5	BF	3	1	0	0	1	0
11/2	Jason	2	21	N	2	10	BF	3	1	1	0	1	0
11/2	Jason	2	4	I	2	0	BF	3	2	0	0	0	0
11/2	Jason	2	9	I	1	10	BF	3	1	0	0	2	0
11/2	Jason	2	20	N	1	10	BF	3	1	0	0	1	0
11/2	Jason	2	19	N	0	10	BF	3	1	0	0	1	0
11/2	Jason	2	5	I	0	5	BF	3	1	0	0	1	0
11/2	Jason	2	6	I	1	5	BF	3	2	0	0	1	0
11/2	Jason	2	3	I	1	0	BF	3	2	0	0	1	0
11/3	Andy	3	2	I	0	0	CT	3	1	0	0	1	0
11/3	Andy	3	11	I	0	20	CT	4	1	0	2	0	0
11/3	Andy	3	22	N	0	20	CT	4	1	0	0	1	0
11/3	Andy	3	19	N	0	10	CT	3	1	0	0	0	0
11/3	Andy	3	12	I	1	20	CT	3	1	0	0	1	0
11/3	Andy	3	21	N	2	10	CT	3	1	0	0	0	0
11/3	Andy	3	1	N	0	0	CT	3	1	0	0	2	0
11/3	Andy	3	18	N	2	5	CT	3	1	0	0	1	0
11/3	Andy	3	4	I	2	0	CT	3	2	0	0	2	0
11/3	Andy	3	23	N	1	20	CT	4	1	0	1	2	0
11/3	Andy	3	16	N	0	5	CT	3	1	0	0	1	1
11/3	Andy	3	5	I	0	5	CT	3	1	0	0	1	0
11/3	Andy	3	9	I	1	10	CT	4	1	0	0	0	0
11/3	Andy	3	3	I	1	0	CT	3	1	0	0	1	0

11/3	Andy	3	10	I	2	10	CT	2	1	0	0	0	0
11/3	Andy	3	14	N	1	0	CT	3	1	0	0	2	0
11/3	Andy	3	13	I	2	20	CT	3	1	0	0	3	0
11/3	Andy	3	7	I	2	5	CT	3	1	0	0	2	0
11/3	Andy	3	15	N	2	0	CT	3	1	0	1	0	0
11/3	Andy	3	17	N	1	5	CT	4	1	0	0	3	0
11/3	Andy	3	6	I	1	5	CT	3	1	0	0	2	0
11/3	Andy	3	24	N	2	20	CT	3	1	0	0	0	0
11/3	Andy	3	20	N	1	10	CT	3	1	0	0	2	0
11/3	Andy	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Teresa	3	2	I	0	0	CT	3	1	0	0	2	0
11/3	Teresa	3	11	I	0	20	CT	2	1	0	1	0	0
11/3	Teresa	3	22	N	0	20	CT	2	1	0	0	0	0
11/3	Teresa	3	19	N	0	10	CT	3	1	0	0	0	0
11/3	Teresa	3	12	I	1	20	CT	3	1	0	0	2	0
11/3	Teresa	3	21	N	2	10	CT	2	1	0	0	2	0
11/3	Teresa	3	1	N	0	0	CT	3	2	0	0	0	0
11/3	Teresa	3	18	N	2	5	CT	3	1	0	0	0	0
11/3	Teresa	3	4	I	2	0	CT	3	1	0	0	0	0
11/3	Teresa	3	23	N	1	20	CT	2	1	0	0	2	0
11/3	Teresa	3	16	N	0	5	CT	2	1	0	0	0	0
11/3	Teresa	3	5	I	0	5	CT	2	1	0	0	1	0
11/3	Teresa	3	9	I	1	10	CT	2	1	0	0	2	0
11/3	Teresa	3	3	I	1	0	CT	3	1	0	0	0	0
11/3	Teresa	3	10	I	2	10	CT	2	1	0	0	1	0
11/3	Teresa	3	14	N	1	0	CT	2	1	0	1	0	0
11/3	Teresa	3	13	I	2	20	CT	2	1	0	0	1	0
11/3	Teresa	3	7	I	2	5	CT	2	1	0	0	2	0
11/3	Teresa	3	15	N	2	0	CT	2	1	0	0	1	0
11/3	Teresa	3	17	N	1	5	CT	2	1	0	0	0	0
11/3	Teresa	3	6	I	1	5	CT	2	1	0	0	0	0
11/3	Teresa	3	24	N	2	20	CT	3	1	0	0	2	0
11/3	Teresa	3	20	N	1	10	CT	2	1	0	0	2	0
11/3	Teresa	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Jason	3	2	I	0	0	CT	3	1	0	1	2	0
11/3	Jason	3	11	I	0	20	CT	3	1	0	0	0	0
11/3	Jason	3	22	N	0	20	CT	3	0	0	0	1	0
11/3	Jason	3	19	N	0	10	CT	4	1	0	1	2	0
11/3	Jason	3	12	I	1	20	CT	3	2	0	2	4	0
11/3	Jason	3	21	N	2	10	CT	3	1	0	2	4	0
11/3	Jason	3	1	N	0	0	CT	3	1	1	0	1	0
11/3	Jason	3	18	N	2	5	CT	3	1	0	0	2	0
11/3	Jason	3	4	I	2	0	CT	3	2	1	0	0	0

11/3	Jason	3	23	N	1	20	CT	3	1	0	0	0	0
11/3	Jason	3	16	N	0	5	CT	3	1	0	0	2	0
11/3	Jason	3	5	I	0	5	CT	3	0	0	0	3	0
11/3	Jason	3	9	I	1	10	CT	3	1	0	0	1	0
11/3	Jason	3	3	I	1	0	CT	3	1	0	0	3	0
11/3	Jason	3	10	I	2	10	CT	3	1	0	0	2	0
11/3	Jason	3	14	N	1	0	CT	3	1	0	1	3	0
11/3	Jason	3	13	I	2	20	CT	3	2	0	1	2	0
11/3	Jason	3	7	I	2	5	CT	3	1	0	2	3	0
11/3	Jason	3	15	N	2	0	CT	3	1	0	2	2	0
11/3	Jason	3	17	N	1	5	CT	3	1	0	2	3	0
11/3	Jason	3	6	I	1	5	CT	3	2	0	1	4	0
11/3	Jason	3	24	N	2	20	CT	3	1	0	1	2	0
11/3	Jason	3	20	N	1	10	CT	3	2	0	0	0	0
11/3	Jason	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Tracey	3	2	I	0	0	CT	3	1	0	0	0	0
11/3	Tracey	3	11	I	0	20	CT	4	1	1	0	0	0
11/3	Tracey	3	22	N	0	20	CT	3	1	0	0	0	0
11/3	Tracey	3	19	N	0	10	CT	3	1	1	0	0	0
11/3	Tracey	3	12	I	1	20	CT	3	2	1	0	2	0
11/3	Tracey	3	21	N	2	10	CT	3	1	0	0	1	0
11/3	Tracey	3	1	N	0	0	CT	3	1	0	0	0	0
11/3	Tracey	3	18	N	2	5	CT	3	2	0	0	1	0
11/3	Tracey	3	4	I	2	0	CT	3	1	1	1	0	0
11/3	Tracey	3	23	N	1	20	CT	3	2	1	0	1	0
11/3	Tracey	3	16	N	0	5	CT	3	1	1	0	1	0
11/3	Tracey	3	5	I	0	5	CT	4	1	2	0	0	0
11/3	Tracey	3	9	I	1	10	CT	3	1	0	0	0	0
11/3	Tracey	3	3	I	1	0	CT	3	1	0	0	0	0
11/3	Tracey	3	10	I	2	10	CT	3	2	0	0	2	0
11/3	Tracey	3	14	N	1	0	CT	3	1	2	0	0	0
11/3	Tracey	3	13	I	2	20	CT	3	1	0	0	0	0
11/3	Tracey	3	7	I	2	5	CT	3	1	0	0	0	0
11/3	Tracey	3	15	N	2	0	CT	3	1	2	0	1	0
11/3	Tracey	3	17	N	1	5	CT	3	1	0	0	0	0
11/3	Tracey	3	6	I	1	5	CT	4	1	0	0	0	0
11/3	Tracey	3	24	N	2	20	CT	3	1	2	0	1	0
11/3	Tracey	3	20	N	1	10	CT	3	1	0	1	0	0
11/3	Tracey	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Tara	3	2	I	0	0	CT	3	1	0	0	1	0
11/3	Tara	3	11	I	0	20	CT	4	1	0	0	0	0
11/3	Tara	3	22	N	0	20	CT	4	1	0	0	0	0
11/3	Tara	3	19	N	0	10	CT	3	1	0	0	1	0

11/3	Tara	3	12	I	1	20	CT	3	2	1	0	1	0
11/3	Tara	3	21	N	2	10	CT	3	1	0	0	1	0
11/3	Tara	3	1	N	0	0	CT	4	1	0	0	0	1
11/3	Tara	3	18	N	2	5	CT	3	1	1	0	0	0
11/3	Tara	3	4	I	2	0	CT	3	1	1	0	1	0
11/3	Tara	3	23	N	1	20	CT	4	1	0	0	1	0
11/3	Tara	3	16	N	0	5	CT	3	2	0	0	0	0
11/3	Tara	3	5	I	0	5	CT	3	2	1	0	1	0
11/3	Tara	3	9	I	1	10	CT	3	1	0	0	0	0
11/3	Tara	3	3	I	1	0	CT	3	2	0	0	0	0
11/3	Tara	3	10	I	2	10	CT	4	2	1	0	2	0
11/3	Tara	3	14	N	1	0	CT	4	1	0	0	2	0
11/3	Tara	3	13	I	2	20	CT	4	1	1	0	0	0
11/3	Tara	3	7	I	2	5	CT	3	1	0	0	0	0
11/3	Tara	3	15	N	2	0	CT	3	1	1	0	0	0
11/3	Tara	3	17	N	1	5	CT	3	1	0	0	0	0
11/3	Tara	3	6	I	1	5	CT	3	2	0	0	1	0
11/3	Tara	3	24	N	2	20	CT	3	2	1	0	0	1
11/3	Tara	3	20	N	1	10	CT	3	1	0	0	1	0
11/3	Tara	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Randi	3	2	I	0	0	CT	2	1	0	0	2	0
11/3	Randi	3	11	I	0	20	CT	3	1	1	0	0	0
11/3	Randi	3	22	N	0	20	CT	3	1	0	0	0	0
11/3	Randi	3	19	N	0	10	CT	3	1	1	0	0	0
11/3	Randi	3	12	I	1	20	CT	3	1	0	0	1	0
11/3	Randi	3	21	N	2	10	CT	3	1	1	0	1	0
11/3	Randi	3	1	N	0	0	CT	3	1	0	0	1	0
11/3	Randi	3	18	N	2	5	CT	2	1	0	0	1	0
11/3	Randi	3	4	I	2	0	CT	3	1	1	0	2	0
11/3	Randi	3	23	N	1	20	CT	3	1	0	0	0	0
11/3	Randi	3	16	N	0	5	CT	3	3	1	1	0	0
11/3	Randi	3	5	I	0	5	CT	2	1	0	0	2	0
11/3	Randi	3	9	I	1	10	CT	3	1	0	0	1	0
11/3	Randi	3	3	I	1	0	CT	2	1	0	1	1	0
11/3	Randi	3	10	I	2	10	CT	2	1	0	1	2	0
11/3	Randi	3	14	N	1	0	CT	3	1	0	0	0	1
11/3	Randi	3	13	I	2	20	CT	2	1	0	0	2	0
11/3	Randi	3	7	I	2	5	CT	3	1	0	0	1	0
11/3	Randi	3	15	N	2	0	CT	3	1	0	0	1	0
11/3	Randi	3	17	N	1	5	CT	3	1	0	1	1	0
11/3	Randi	3	6	I	1	5	CT	3	1	0	0	1	0
11/3	Randi	3	24	N	2	20	CT	3	1	0	0	0	0
11/3	Randi	3	20	N	1	10	CT	3	1	0	0	1	0

11/3	Randi	3	8	I	0	10	CT	.	.	.	.	.	.
11/4	Teresa	3	24	N	2	20	BF	3	1	0	0	0	0
11/4	Teresa	3	14	N	1	0	BF	3	1	0	0	0	0
11/4	Teresa	3	20	N	1	10	BF	3	1	0	0	1	0
11/4	Teresa	3	6	I	1	5	BF	2	1	0	0	0	0
11/4	Teresa	3	17	N	1	5	BF	2	1	0	0	1	0
11/4	Teresa	3	15	N	2	0	BF	3	1	0	0	0	0
11/4	Teresa	3	14	N	1	0	BF	2	1	0	0	1	0
11/4	Teresa	3	12	I	1	20	BF	3	1	0	0	0	0
11/4	Teresa	3	11	I	0	20	BF	2	1	0	0	0	0
11/4	Teresa	3	18	N	2	5	BF	2	1	0	1	2	0
11/4	Teresa	3	3	I	1	0	BF	2	1	0	0	0	0
11/4	Teresa	3	4	I	2	0	BF	3	1	0	0	0	0
11/4	Teresa	3	5	I	0	5	BF	2	1	0	0	0	0
11/4	Teresa	3	19	N	0	10	BF	2	1	0	0	0	0
11/4	Teresa	3	8	I	0	10	BF	3	1	0	0	0	0
11/4	Teresa	3	2	I	0	0	BF	3	1	0	0	0	0
11/4	Teresa	3	16	N	0	5	BF	2	1	0	0	0	0
11/4	Teresa	3	22	N	0	20	BF	2	1	0	0	0	0
11/4	Teresa	3	1	N	0	0	BF	2	1	0	0	0	0
11/4	Teresa	3	23	N	1	20	BF	3	1	0	0	0	0
11/4	Teresa	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Teresa	3	10	I	2	10	BF	2	1	0	0	0	0
11/4	Teresa	3	9	I	1	10	BF	3	1	0	0	1	0
11/4	Teresa	3	21	N	2	10	BF	2	1	0	0	2	0
11/4	Andy	3	24	N	2	20	BF	3	1	2	0	1	0
11/4	Andy	3	14	N	1	0	BF	3	1	0	0	0	0
11/4	Andy	3	20	N	1	10	BF	3	1	1	0	0	0
11/4	Andy	3	6	I	1	5	BF	3	1	0	0	0	0
11/4	Andy	3	17	N	1	5	BF	3	3	1	0	2	0
11/4	Andy	3	15	N	2	0	BF	3	1	0	0	3	0
11/4	Andy	3	14	N	1	0	BF	3	1	0	0	3	0
11/4	Andy	3	12	I	1	20	BF	2	1	0	0	2	0
11/4	Andy	3	11	I	0	20	BF	3	1	0	0	2	0
11/4	Andy	3	18	N	2	5	BF	4	1	0	0	2	0
11/4	Andy	3	3	I	1	0	BF	3	1	0	0	0	0
11/4	Andy	3	4	I	2	0	BF	3	1	0	0	0	0
11/4	Andy	3	5	I	0	5	BF	4	1	0	0	3	0
11/4	Andy	3	19	N	0	10	BF	3	1	0	0	3	0
11/4	Andy	3	8	I	0	10	BF	3	1	0	0	1	0
11/4	Andy	3	2	I	0	0	BF	3	1	0	0	1	0
11/4	Andy	3	16	N	0	5	BF	4	1	0	0	2	0
11/4	Andy	3	22	N	0	20	BF	3	1	0	0	0	0

11/4	Andy	3	1	N	0	0	BF	4	1	1	0	2	0
11/4	Andy	3	23	N	1	20	BF	3	1	0	2	2	0
11/4	Andy	3	3	I	1	0	BF	3	1	0	0	0	0
11/4	Andy	3	10	I	2	10	BF	3	1	0	0	0	3
11/4	Andy	3	9	I	1	10	BF	3	1	0	0	2	0
11/4	Andy	3	21	N	2	10	BF	3	1	0	0	3	0
11/4	Randi	3	24	N	2	20	BF	3	1	0	0	0	0
11/4	Randi	3	14	N	1	0	BF	3	1	0	0	2	0
11/4	Randi	3	20	N	1	10	BF	3	1	1	0	0	0
11/4	Randi	3	6	I	1	5	BF	3	1	0	0	0	0
11/4	Randi	3	17	N	1	5	BF	3	1	1	0	0	0
11/4	Randi	3	15	N	2	0	BF	3	1	1	0	0	0
11/4	Randi	3	14	N	1	0	BF	3	1	1	0	0	0
11/4	Randi	3	12	I	1	20	BF	3	1	0	0	1	0
11/4	Randi	3	11	I	0	20	BF	3	1	1	0	1	0
11/4	Randi	3	18	N	2	5	BF	3	1	0	0	0	0
11/4	Randi	3	3	I	1	0	BF	3	1	0	0	1	0
11/4	Randi	3	4	I	2	0	BF	3	1	0	0	1	0
11/4	Randi	3	5	I	0	5	BF	3	1	1	0	1	0
11/4	Randi	3	19	N	0	10	BF	3	1	0	0	0	0
11/4	Randi	3	8	I	0	10	BF	3	1	0	0	1	0
11/4	Randi	3	2	I	0	0	BF	1	0	0	0	1	0
11/4	Randi	3	16	N	0	5	BF	3	1	1	0	0	0
11/4	Randi	3	22	N	0	20	BF	3	1	0	0	0	0
11/4	Randi	3	1	N	0	0	BF	3	1	1	0	1	0
11/4	Randi	3	23	N	1	20	BF	3	1	0	0	2	0
11/4	Randi	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Randi	3	10	I	2	10	BF	3	1	0	0	0	0
11/4	Randi	3	9	I	1	10	BF	3	1	0	0	2	0
11/4	Randi	3	21	N	2	10	BF	3	1	0	0	0	0
11/4	Jason	3	24	N	2	20	BF	3	1	0	0	1	0
11/4	Jason	3	14	N	1	0	BF	3	2	0	0	2	0
11/4	Jason	3	20	N	1	10	BF	4	1	0	0	2	0
11/4	Jason	3	6	I	1	5	BF	3	2	0	0	1	0
11/4	Jason	3	17	N	1	5	BF	3	2	0	0	1	0
11/4	Jason	3	15	N	2	0	BF	4	1	0	0	1	0
11/4	Jason	3	14	N	1	0	BF	3	1	0	0	1	0
11/4	Jason	3	12	I	1	20	BF	4	2	0	0	1	0
11/4	Jason	3	11	I	0	20	BF	3	2	0	0	1	0
11/4	Jason	3	18	N	2	5	BF	3	2	0	1	2	0
11/4	Jason	3	3	I	1	0	BF	3	1	0	1	2	0
11/4	Jason	3	4	I	2	0	BF	3	1	0	0	1	0
11/4	Jason	3	5	I	0	5	BF	3	1	0	0	2	0

11/4	Jason	3	19	N	0	10	BF	3	1	0	0	1	0
11/4	Jason	3	8	I	0	10	BF	3	1	0	0	1	0
11/4	Jason	3	2	I	0	0	BF	3	2	0	1	2	0
11/4	Jason	3	16	N	0	5	BF	2	0	0	0	1	0
11/4	Jason	3	22	N	0	20	BF	3	1	0	0	1	0
11/4	Jason	3	1	N	0	0	BF	3	2	0	0	2	0
11/4	Jason	3	23	N	1	20	BF	3	1	0	1	2	0
11/4	Jason	3	10	N	2	10	BF	3	1	0	0	0	0
11/4	Jason	3	9	N	1	10	BF	3	1	0	0	1	0
11/4	Jason	3	21	N	2	10	BF	3	1	0	0	1	0
11/4	Jason	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Tracey	3	24	N	2	20	BF	3	1	1	0	1	0
11/4	Tracey	3	14	N	1	0	BF	3	1	0	0	0	0
11/4	Tracey	3	20	N	1	10	BF	4	1	1	0	1	0
11/4	Tracey	3	6	I	1	5	BF	3	1	0	0	0	0
11/4	Tracey	3	17	N	1	5	BF	3	1	0	0	1	0
11/4	Tracey	3	15	N	2	0	BF	3	2	1	0	1	0
11/4	Tracey	3	14	N	1	0	BF	3	1	0	0	0	0
11/4	Tracey	3	12	I	1	20	BF	3	1	0	0	0	0
11/4	Tracey	3	11	I	0	20	BF	3	1	1	0	1	0
11/4	Tracey	3	18	N	2	5	BF	2	1	0	0	1	0
11/4	Tracey	3	3	I	1	0	BF	3	0	0	0	0	0
11/4	Tracey	3	4	I	2	0	BF	3	1	0	0	0	0
11/4	Tracey	3	5	I	0	5	BF	3	1	0	0	0	0
11/4	Tracey	3	19	N	0	10	BF	3	1	1	0	2	0
11/4	Tracey	3	8	I	0	10	BF	3	1	0	0	0	0
11/4	Tracey	3	2	I	0	0	BF	3	1	0	0	1	0
11/4	Tracey	3	16	N	0	5	BF	3	1	1	1	1	0
11/4	Tracey	3	22	N	0	20	BF	3	1	0	0	0	0
11/4	Tracey	3	1	N	0	0	BF	3	2	0	0	1	0
11/4	Tracey	3	23	N	1	20	BF	3	1	0	0	0	0
11/4	Tracey	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Tracey	3	10	I	2	10	BF	3	1	0	0	0	0
11/4	Tracey	3	9	I	1	10	BF	3	1	0	0	0	0
11/4	Tracey	3	21	N	2	10	BF	3	2	0	1	1	0
12/4	Tracey	1	1	N	0	0	SL	3	1	0	0	2	0
12/4	Tracey	1	2	I	0	0	SL	3	1	0	0	0	0
12/4	Tracey	1	3	I	1	0	SL	4	1	0	0	1	0
12/4	Tracey	1	4	I	2	0	SL	4	1	0	0	0	0
12/4	Tracey	1	21	N	2	10	SL	3	1	0	1	1	0
12/4	Tracey	1	14	N	1	0	SL	3	1	0	0	0	0
12/4	Tracey	1	9	I	1	10	SL	3	1	0	0	0	0

12/4	Tracey	1	11	I	0	20	SL	3	1	0	1	0	0
12/4	Tracey	1	23	N	1	20	SL	3	1	0	0	1	0
12/4	Tracey	1	5	I	0	5	SL	3	1	0	0	0	0
12/4	Tracey	1	15	N	2	0	SL	3	1	0	1	1	0
12/4	Tracey	1	24	N	2	20	SL	3	1	0	0	0	0
12/4	Tracey	1	6	I	1	5	SL	3	1	0	0	0	0
12/4	Tracey	1	17	N	1	5	SL	3	1	0	0	0	0
12/4	Tracey	1	7	I	2	5	SL	3	1	0	0	0	0
12/4	Tracey	1	22	N	0	20	SL	4	1	0	0	0	0
12/4	Tracey	1	16	N	0	5	SL	.	.	.	.	.	.
12/4	Tracey	1	19	N	0	10	SL	.	.	.	.	.	.
12/4	Tracey	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Tracey	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Tracey	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Tracey	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Tracey	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Tracey	1	20	N	1	10	SL	.	.	.	.	.	.
12/4	Teresa	1	1	N	0	0	SL	2	1	0	0	0	0
12/4	Teresa	1	2	I	0	0	SL	2	1	0	0	0	0
12/4	Teresa	1	3	I	1	0	SL	2	1	0	0	0	0
12/4	Teresa	1	4	I	2	0	SL	2	1	0	0	0	0
12/4	Teresa	1	21	N	2	10	SL	1	1	0	0	0	0
12/4	Teresa	1	14	N	1	0	SL	1	1	0	0	0	0
12/4	Teresa	1	9	I	1	10	SL	2	1	0	0	0	0
12/4	Teresa	1	11	I	0	20	SL	2	1	0	0	2	0
12/4	Teresa	1	23	N	1	20	SL	2	1	0	0	0	0
12/4	Teresa	1	5	I	0	5	SL	2	1	0	0	0	0
12/4	Teresa	1	15	N	2	0	SL	2	1	0	0	0	0
12/4	Teresa	1	24	N	2	20	SL	2	1	0	0	0	0
12/4	Teresa	1	6	I	1	5	SL	2	1	0	0	0	0
12/4	Teresa	1	17	N	1	5	SL	2	1	0	0	0	0
12/4	Teresa	1	7	I	2	5	SL	2	1	0	0	0	0
12/4	Teresa	1	22	N	0	20	SL	1	1	0	0	1	0
12/4	Teresa	1	16	N	0	5	SL	2	1	0	0	0	0
12/4	Teresa	1	19	N	0	10	SL	2	1	0	0	0	0
12/4	Teresa	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Teresa	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Teresa	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Teresa	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Teresa	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Teresa	1	20	N	1	10	SL		.	.	.	.	.
12/4	Randi	1	1	N	0	0	SL	3	1	1	0	1	0
12/4	Randi	1	2	I	0	0	SL	4	1	1	0	0	0

12/4	Randi	1	3	I	1	0	SL	3	1	0	0	1	0
12/4	Randi	1	4	I	2	0	SL	3	1	0	0	1	0
12/4	Randi	1	21	N	2	10	SL	2	1	1	0	1	0
12/4	Randi	1	14	N	1	0	SL	3	1	1	0	0	0
12/4	Randi	1	9	I	1	10	SL	3	1	0	0	1	0
12/4	Randi	1	11	I	0	20	SL	3	1	1	0	0	0
12/4	Randi	1	23	N	1	20	SL	2	1	1	0	0	0
12/4	Randi	1	5	I	0	5	SL	2	1	0	0	2	0
12/4	Randi	1	15	N	2	0	SL	3	1	0	0	0	0
12/4	Randi	1	24	N	2	20	SL	3	1	0	0	0	0
12/4	Randi	1	6	I	1	5	SL	2	1	0	0	1	0
12/4	Randi	1	17	N	1	5	SL	3	1	1	0	0	0
12/4	Randi	1	7	I	2	5	SL	2	1	0	0	1	0
12/4	Randi	1	22	N	0	20	SL	3	1	1	0	1	0
12/4	Randi	1	16	N	0	5	SL	3	1	0	0	1	0
12/4	Randi	1	19	N	0	10	SL	2	1	1	0	1	0
12/4	Randi	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Randi	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Randi	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Randi	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Randi	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Randi	1	20	N	1	10	SL	.	.	.	.	.	.
12/4	Liz	1	1	N	0	0	SL	2	1	5	0	0	0
12/4	Liz	1	2	I	0	0	SL	2	1	0	0	0	2
12/4	Liz	1	3	I	1	0	SL	2	1	0	0	0	1
12/4	Liz	1	4	I	2	0	SL	2	1	0	0	0	1
12/4	Liz	1	21	N	2	10	SL	3	1	1	0	0	0
12/4	Liz	1	14	N	1	0	SL	3	1	0	0	0	0
12/4	Liz	1	9	I	1	10	SL	2	1	0	0	0	1
12/4	Liz	1	11	I	0	20	SL	3	1	0	0	1	0
12/4	Liz	1	23	N	1	20	SL	2	1	0	0	0	0
12/4	Liz	1	5	I	0	5	SL	2	1	0	0	0	2
12/4	Liz	1	15	N	2	0	SL	3	1	0	0	0	0
12/4	Liz	1	24	N	2	20	SL	3	1	0	0	0	0
12/4	Liz	1	6	I	1	5	SL	2	1	0	0	0	1
12/4	Liz	1	17	N	1	5	SL	3	1	0	0	0	0
12/4	Liz	1	7	I	2	5	SL	2	1	0	0	0	0
12/4	Liz	1	22	N	0	20	SL	3	1	1	0	0	0
12/4	Liz	1	16	N	0	5	SL	3	1	0	0	0	0
12/4	Liz	1	19	N	0	10	SL	3	1	1	0	0	0
12/4	Liz	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Liz	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Liz	1	12	I	1	20	SL	.	.	.	.	.	.

12/4	Liz	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Liz	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Liz	1	20	N	1	10	SL	.	.	.	.		.
12/5	Liz	1	21	N	2	10	TB	2	2	0	0	1	0
12/5	Liz	1	1	N	0	0	TB	3	1	1	0	0	0
12/5	Liz	1	19	N	0	10	TB	2	1	0	0	1	0
12/5	Liz	1	10	I	2	10	TB	2	1	0	0	1	0
12/5	Liz	1	14	N	1	0	TB	3	1	1	0	0	0
12/5	Liz	1	12	I	1	20	TB	2	1	0	0	0	0
12/5	Liz	1	9	I	1	10	TB	2	1	0	0	1	0
12/5	Liz	1	15	N	2	0	TB	3	1	1	0	0	0
12/5	Liz	1	13	I	2	20	TB	2	1	0	0	0	0
12/5	Liz	1	11	I	0	20	TB	3	1	0	0	0	0
12/5	Liz	1	3	I	1	0	TB	4	1	0	0	0	0
12/5	Liz	1	17	N	1	5	TB	4	1	2	0	0	0
12/5	Liz	1	6	I	1	5	TB	3	1	0	0	0	0
12/5	Liz	1	4	I	2	0	TB	4	1	0	0	0	0
12/5	Liz	1	5	I	0	5	TB	2	1	0	0	0	0
12/5	Liz	1	22	N	0	20	TB	3	1	0	0	0	0
12/5	Liz	1	24	N	2	20	TB	2	1	0	0	1	0
12/5	Liz	1	7	I	2	5	TB	2	1	0	0	0	1
12/5	Liz	1	20	N	1	10	TB	3	1	1	0	0	0
12/5	Liz	1	18	N	2	5	TB	3	2	0	0	0	0
12/5	Liz	1	16	N	0	5	TB	3	1	1	0	0	0
12/5	Liz	1	2	I	0	0	TB	2	2	0	0	0	0
12/5	Liz	1	23	N	1	20	TB	2	1	1	0	1	0
12/5	Liz	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Randi	1	21	N	2	10	TB	3	1	0	0	0	0
12/5	Randi	1	1	N	0	0	TB	2	1	0	0	1	0
12/5	Randi	1	19	N	0	10	TB	2	1	0	1	2	0
12/5	Randi	1	10	I	2	10	TB	3	1	0	0	1	0
12/5	Randi	1	14	N	1	0	TB	3	1	0	0	0	0
12/5	Randi	1	12	I	1	20	TB	3	1	0	0	2	0
12/5	Randi	1	9	I	1	10	TB	3	1	0	1	1	0
12/5	Randi	1	15	N	2	0	TB	2	1	0	0	1	0
12/5	Randi	1	13	I	2	20	TB	2	1	0	0	2	0
12/5	Randi	1	11	I	0	20	TB	3	1	0	0	1	0
12/5	Randi	1	3	I	1	0	TB	3	1	0	0	0	0
12/5	Randi	1	17	N	1	5	TB	2	1	0	0	0	0
12/5	Randi	1	6	I	1	5	TB	3	1	0	0	2	0
12/5	Randi	1	4	I	2	0	TB	3	1	0	0	2	0
12/5	Randi	1	5	I	0	5	TB	3	1	0	0	1	0
12/5	Randi	1	22	N	0	20	TB	3	1	0	0	0	0

12/5	Randi	1	24	N	2	20	TB	3	1	0	0	1	0
12/5	Randi	1	7	I	2	5	TB	2	1	0	0	2	0
12/5	Randi	1	20	N	1	10	TB	2	1	0	0	0	0
12/5	Randi	1	18	N	2	5	TB	2	1	0	0	1	0
12/5	Randi	1	16	N	0	5	TB	2	1	0	1	2	0
12/5	Randi	1	2	I	0	0	TB	2	1	0	1	1	0
12/5	Randi	1	23	N	1	20	TB	3	1	0	0	0	0
12/5	Randi	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Jason	1	21	N	2	10	TB	2	1	0	0	3	0
12/5	Jason	1	1	N	0	0	TB	3	2	2	0	1	0
12/5	Jason	1	19	N	0	10	TB	3	1	0	0	0	0
12/5	Jason	1	10	I	2	10	TB	4	2	2	0	1	0
12/5	Jason	1	14	N	1	0	TB	3	1	2	0	0	0
12/5	Jason	1	12	I	1	20	TB	3	2	0	0	1	0
12/5	Jason	1	9	I	1	10	TB	4	2	0	0	1	0
12/5	Jason	1	15	N	2	0	TB	2	1	0	0	0	0
12/5	Jason	1	13	I	2	20	TB	3	1	0	0	0	0
12/5	Jason	1	11	I	0	20	TB	3	1	0	0	2	0
12/5	Jason	1	3	I	1	0	TB	3	1	1	0	1	0
12/5	Jason	1	17	N	1	5	TB	3	1	2	0	0	0
12/5	Jason	1	6	I	1	5	TB	2	1	0	0	0	0
12/5	Jason	1	4	I	2	0	TB	4	2	0	0	1	0
12/5	Jason	1	5	I	0	5	TB	3	1	0	0	0	0
12/5	Jason	1	22	N	0	20	TB	4	1	1	0	0	0
12/5	Jason	1	24	N	2	20	TB	3	1	0	0	2	0
12/5	Jason	1	7	I	2	5	TB	3	1	2	0	1	0
12/5	Jason	1	20	N	1	10	TB	3	2	3	0	0	0
12/5	Jason	1	18	N	2	5	TB	3	1	0	0	0	0
12/5	Jason	1	16	N	0	5	TB	4	2	0	0	1	0
12/5	Jason	1	2	I	0	0	TB	3	1	0	0	1	0
12/5	Jason	1	23	N	1	20	TB	3	1	2	0	0	0
12/5	Jason	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Teresa	1	21	N	2	10	TB	2	2	0	2	1	0
12/5	Teresa	1	1	N	0	0	TB	2	1	0	0	3	0
12/5	Teresa	1	19	N	0	10	TB	2	1	0	2	2	0
12/5	Teresa	1	10	I	2	10	TB	2	2	0	3	0	0
12/5	Teresa	1	14	N	1	0	TB	2	2	0	0	0	0
12/5	Teresa	1	12	I	1	20	TB	2	2	0	2	0	0
12/5	Teresa	1	9	I	1	10	TB	2	2	0	0	0	0
12/5	Teresa	1	15	N	2	0	TB	2	1	0	0	0	0
12/5	Teresa	1	13	I	2	20	TB	2	2	0	2	2	0
12/5	Teresa	1	11	I	0	20	TB	2	2	0	0	2	0
12/5	Teresa	1	3	I	1	0	TB	2	1	0	2	0	0

12/5	Teresa	1	17	N	1	5	TB	2	1	0	0	0	0
12/5	Teresa	1	6	I	1	5	TB	2	2	0	2	3	0
12/5	Teresa	1	4	I	2	0	TB	2	2	0	0	0	0
12/5	Teresa	1	5	I	0	5	TB	2	1	0	0	0	0
12/5	Teresa	1	22	N	0	20	TB	2	1	0	2	0	0
12/5	Teresa	1	24	N	2	20	TB	2	2	0	3	0	0
12/5	Teresa	1	7	I	2	5	TB	2	1	0	0	0	0
12/5	Teresa	1	20	N	1	10	TB	2	2	0	0	4	0
12/5	Teresa	1	18	N	2	5	TB	2	1	0	0	0	0
12/5	Teresa	1	16	N	0	5	TB	2	2	0	2	0	0
12/5	Teresa	1	2	I	0	0	TB	2	2	0	0	0	0
12/5	Teresa	1	23	N	1	20	TB	2	1	0	3	0	0
12/5	Teresa	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Tracey	1	21	N	2	10	TB	3	2	2	0	1	0
12/5	Tracey	1	1	N	0	0	TB	3	2	0	1	2	0
12/5	Tracey	1	19	N	0	10	TB	4	1	1	0	1	0
12/5	Tracey	1	10	I	2	10	TB	3	1	0	0	1	0
12/5	Tracey	1	14	N	1	0	TB	3	1	0	0	0	0
12/5	Tracey	1	12	I	1	20	TB	3	1	0	0	0	0
12/5	Tracey	1	9	I	1	10	TB	3	1	0	0	2	0
12/5	Tracey	1	15	N	2	0	TB	3	1	1	0	0	0
12/5	Tracey	1	13	I	2	20	TB	3	1	0	0	0	0
12/5	Tracey	1	11	I	0	20	TB	3	1	1	0	0	0
12/5	Tracey	1	3	I	1	0	TB	3	1	0	0	0	0
12/5	Tracey	1	17	N	1	5	TB	3	1	1	0	1	0
12/5	Tracey	1	6	I	1	5	TB	3	1	1	0	0	0
12/5	Tracey	1	4	I	2	0	TB	3	1	1	0	2	0
12/5	Tracey	1	5	I	0	5	TB	3	1	0	0	2	0
12/5	Tracey	1	22	N	0	20	TB	3	2	0	0	1	0
12/5	Tracey	1	24	N	2	20	TB	3	1	0	0	1	0
12/5	Tracey	1	7	I	2	5	TB	3	1	1	0	1	0
12/5	Tracey	1	20	N	1	10	TB	4	1	1	0	1	0
12/5	Tracey	1	18	N	2	5	TB	3	1	0	0	0	0
12/5	Tracey	1	16	N	0	5	TB	3	2	0	1	0	0
12/5	Tracey	1	2	I	0	0	TB	3	1	0	0	1	0
12/5	Tracey	1	23	N	1	20	TB	3	1	1	0	2	0
12/5	Tracey	1	8	I	0	10	TB	.	.	.	.	.	.
12/6	Randi	2	1	N	0	0	SL	4	1	1	0	1	0
12/6	Randi	2	18	N	2	5	SL	3	1	1	0	0	0
12/6	Randi	2	11	I	0	20	SL	4	1	0	0	1	0
12/6	Randi	2	6	I	1	5	SL	3	1	0	0	2	0
12/6	Randi	2	8	I	0	10	SL	3	1	0	0	3	0
12/6	Randi	2	14	N	1	0	SL	3	1	1	0	0	0

12/6	Randi	2	21	N	2	10	SL	4	1	1	0	0	0
12/6	Randi	2	7	I	2	5	SL	3	1	0	1	0	0
12/6	Randi	2	15	N	2	0	SL	4	1	0	0	0	0
12/6	Randi	2	16	N	0	5	SL	4	1	1	0	0	0
12/6	Randi	2	5	I	0	5	SL	3	1	0	0	2	0
12/6	Randi	2	24	N	2	20	SL	3	1	1	0	0	0
12/6	Randi	2	10	I	2	10	SL	3	1	0	0	2	0
12/6	Randi	2	17	N	1	5	SL	4	1	1	0	0	0
12/6	Randi	2	13	I	2	20	SL	3	1	0	0	2	0
12/6	Randi	2	12	I	1	20	SL	3	1	0	0	1	0
12/6	Randi	2	4	I	2	0	SL	3	1	0	0	2	0
12/6	Randi	2	22	N	0	20	SL	3	1	1	0	0	0
12/6	Randi	2	19	N	0	10	SL	3	1	1	0	1	0
12/6	Randi	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Randi	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Randi	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Randi	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Randi	2	23	N	1	20	SL	.		.	.	.	.
12/6	Liz	2	1	N	0	0	SL	4	1	1	0	0	0
12/6	Liz	2	18	N	2	5	SL	3	2	1	0	0	0
12/6	Liz	2	11	I	0	20	SL	2	1	0	0	0	0
12/6	Liz	2	6	I	1	5	SL	2	1	0	0	0	0
12/6	Liz	2	8	I	0	10	SL	2	1	0	0	0	0
12/6	Liz	2	14	N	1	0	SL	3	2	0	0	0	0
12/6	Liz	2	21	N	2	10	SL	4	1	0	0	1	0
12/6	Liz	2	7	I	2	5	SL	2	2	0	0	0	0
12/6	Liz	2	15	N	2	0	SL	3	1	1	0	0	0
12/6	Liz	2	16	N	0	5	SL	3	2	0	0	0	0
12/6	Liz	2	5	I	0	5	SL	1	1	0	0	0	0
12/6	Liz	2	24	N	2	20	SL	3	2	0	0	0	0
12/6	Liz	2	10	I	2	10	SL	1	1	0	0	0	0
12/6	Liz	2	17	N	1	5	SL	3	1	0	0	0	0
12/6	Liz	2	13	I	2	20	SL	2	1	0	0	0	0
12/6	Liz	2	12	I	1	20	SL	2	1	0	0	1	0
12/6	Liz	2	4	I	2	0	SL	2	1	0	0	1	0
12/6	Liz	2	22	N	0	20	SL	3	1	0	0	1	0
12/6	Liz	2	19	N	0	10	SL	3	1	1	0	1	0
12/6	Liz	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Liz	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Liz	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Liz	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Liz	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Teresa	2	1	N	0	0	SL	4	1	0	0	0	0

12/6	Teresa	2	18	N	2	5	SL	3	1	0	1	2	0
12/6	Teresa	2	11	I	0	20	SL	3	1	0	0	0	0
12/6	Teresa	2	6	I	1	5	SL	4	1	0	0	0	0
12/6	Teresa	2	8	I	0	10	SL	3	1	0	0	0	0
12/6	Teresa	2	14	N	1	0	SL	4	1	0	0	0	0
12/6	Teresa	2	21	N	2	10	SL	3	1	0	0	0	0
12/6	Teresa	2	7	I	2	5	SL	3	1	0	0	0	0
12/6	Teresa	2	15	N	2	0	SL	4	1	0	0	0	0
12/6	Teresa	2	16	N	0	5	SL	3	1	0	0	0	0
12/6	Teresa	2	5	I	0	5	SL	4	1	0	0	3	0
12/6	Teresa	2	24	N	2	20	SL	3	1	0	0	0	0
12/6	Teresa	2	10	I	2	10	SL	3	1	0	0	0	0
12/6	Teresa	2	17	N	1	5	SL	3	1	0	0	3	0
12/6	Teresa	2	13	I	2	20	SL	2	1	0	0	0	0
12/6	Teresa	2	12	I	1	20	SL	3	1	0	0	0	0
12/6	Teresa	2	4	I	2	0	SL	3	1	0	0	0	0
12/6	Teresa	2	22	N	0	20	SL	2	2	0	0	0	0
12/6	Teresa	2	19	N	0	10	SL	3	1	0	0	0	0
12/6	Teresa	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Teresa	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Teresa	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Teresa	2	20	N	1	10	SL		.	.	.	.	.
12/6	Teresa	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Jason	2	1	N	0	0	SL	4	2	1	0	0	0
12/6	Jason	2	18	N	2	5	SL	4	1	1	0	0	0
12/6	Jason	2	11	I	0	20	SL	3	1	0	0	1	0
12/6	Jason	2	6	I	1	5	SL	3	1	0	0	0	0
12/6	Jason	2	8	I	0	10	SL	3	1	0	0	1	0
12/6	Jason	2	14	N	1	0	SL	3	1	2	0	0	0
12/6	Jason	2	21	N	2	10	SL	3	1	0	0	1	0
12/6	Jason	2	7	I	2	5	SL	3	1	0	0	1	0
12/6	Jason	2	15	N	2	0	SL	3	1	1	0	0	0
12/6	Jason	2	16	N	0	5	SL	3	1	1	0	1	0
12/6	Jason	2	5	I	0	5	SL	3	1	1	0	0	0
12/6	Jason	2	24	N	2	20	SL	3	2	1	0	2	0
12/6	Jason	2	10	I	2	10	SL	3	1	0	0	1	0
12/6	Jason	2	17	N	1	5	SL	3	1	0	0	1	0
12/6	Jason	2	13	I	2	20	SL	3	1	0	0	0	0
12/6	Jason	2	12	I	1	20	SL	3	2	0	0	1	0
12/6	Jason	2	4	I	2	0	SL	3	1	0	0	1	0
12/6	Jason	2	22	N	0	20	SL	3	1	0	0	2	0
12/6	Jason	2	19	N	0	10	SL	3	1	0	0	0	0
12/6	Jason	2	2	I	0	0	SL	.	.	.	.	.	.

12/6	Jason	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Jason	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Jason	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Jason	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Tracey	2	1	N	0	0	SL	3	1	1	0	1	0
12/6	Tracey	2	18	N	2	5	SL	4	1	0	0	0	0
12/6	Tracey	2	11	I	0	20	SL	3	1	0	0	0	0
12/6	Tracey	2	6	I	1	5	SL	3	1	0	0	0	0
12/6	Tracey	2	8	I	0	10	SL	3	1	0	0	0	0
12/6	Tracey	2	14	N	1	0	SL	3	2	1	0	2	0
12/6	Tracey	2	21	N	2	10	SL	4	1	2	0	0	0
12/6	Tracey	2	7	I	2	5	SL	3	1	0	0	0	0
12/6	Tracey	2	15	N	2	0	SL	4	1	1	0	0	0
12/6	Tracey	2	16	N	0	5	SL	4	2	0	0	1	0
12/6	Tracey	2	5	I	0	5	SL	3	1	0	0	0	0
12/6	Tracey	2	24	N	2	20	SL	4	1	1	0	0	0
12/6	Tracey	2	10	I	2	10	SL	3	1	0	0	0	0
12/6	Tracey	2	17	N	1	5	SL	4	1	1	0	0	0
12/6	Tracey	2	13	I	2	20	SL	3	1	0	0	0	0
12/6	Tracey	2	12	I	1	20	SL	3	1	0	0	0	0
12/6	Tracey	2	4	I	2	0	SL	3	1	0	0	0	0
12/6	Tracey	2	22	N	0	20	SL	4	1	1	0	1	0
12/6	Tracey	2	19	N	0	10	SL	3	1	0	1	1	0
12/6	Tracey	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Tracey	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Tracey	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Tracey	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Tracey	2	23	N	1	20	SL	.	.	.	.	.	.
12/7	Liz	2	22	N	0	20	TB	3	1	0	0	0	0
12/7	Liz	2	5	I	0	5	TB	3	1	0	0	0	0
12/7	Liz	2	14	N	1	0	TB	3	1	0	0	0	0
12/7	Liz	2	2	I	0	0	TB	3	1	0	0	0	0
12/7	Liz	2	16	N	0	5	TB	3	1	0	0	0	0
12/7	Liz	2	11	I	0	20	TB	3	1	1	0	0	0
12/7	Liz	2	8	I	0	10	TB	3	1	0	0	0	0
12/7	Liz	2	6	I	1	5	TB	2	1	0	0	0	0
12/7	Liz	2	20	N	1	10	TB	3	2	0	0	1	0
12/7	Liz	2	15	N	2	0	TB	3	1	0	0	0	0
12/7	Liz	2	10	I	2	10	TB	3	1	0	0	0	0
12/7	Liz	2	21	N	2	10	TB	3	1	0	0	0	0
12/7	Liz	2	24	N	2	20	TB	3	1	0	0	0	0
12/7	Liz	2	9	I	1	10	TB	3	1	0	0	0	0
12/7	Liz	2	13	I	2	20	TB	3	1	0	0	0	0

12/7	Liz	2	12	I	1	20	TB	2	1	0	0	0	0
12/7	Liz	2	17	N	1	5	TB	4	1	0	0	1	0
12/7	Liz	2	4	I	2	0	TB	3	1	0	0	1	0
12/7	Liz	2	1	N	0	0	TB	3	1	0	0	0	0
12/7	Liz	2	19	N	0	10	TB	3	1	0	0	1	0
12/7	Liz	2	23	N	1	20	TB	2	1	0	0	0	0
12/7	Liz	2	7	I	2	5	TB	2	1	0	0	1	0
12/7	Liz	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Liz	2	18	N	2	5	TB	.	.	.	.	.	.
12/7	Jason	2	22	N	0	20	TB	3	1	0	0	0	0
12/7	Jason	2	5	I	0	5	TB	3	1	0	0	1	0
12/7	Jason	2	14	N	1	0	TB	3	1	0	0	0	0
12/7	Jason	2	2	I	0	0	TB	3	2	0	0	1	0
12/7	Jason	2	16	N	0	5	TB	3	1	0	0	0	0
12/7	Jason	2	11	I	0	20	TB	3	1	2	0	2	0
12/7	Jason	2	8	I	0	10	TB	2	1	0	0	1	0
12/7	Jason	2	6	I	1	5	TB	3	1	2	0	0	0
12/7	Jason	2	20	N	1	10	TB	3	1	2	0	0	0
12/7	Jason	2	15	N	2	0	TB	3	1	0	0	1	0
12/7	Jason	2	10	I	2	10	TB	3	2	0	0	1	0
12/7	Jason	2	21	N	2	10	TB	3	1	0	0	0	0
12/7	Jason	2	24	N	2	20	TB	3	1	0	0	1	0
12/7	Jason	2	9	I	1	10	TB	4	2	0	0	2	0
12/7	Jason	2	13	I	2	20	TB	3	1	3	0	1	0
12/7	Jason	2	12	I	1	20	TB	3	2	0	0	1	0
12/7	Jason	2	17	N	1	5	TB	3	1	2	0	2	0
12/7	Jason	2	4	I	2	0	TB	3	2	2	0	1	0
12/7	Jason	2	1	N	0	0	TB	3	1	0	0	1	0
12/7	Jason	2	19	N	0	10	TB	3	2	0	0	2	0
12/7	Jason	2	23	N	1	20	TB	3	1	1	0	0	0
12/7	Jason	2	7	I	2	5	TB	3	2	1	0	2	0
12/7	Jason	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Jason	2	18	N	2	5	TB	.	.	.	.	.	.
12/7	Teresa	2	22	N	0	20	TB	2	2	0	0	2	0
12/7	Teresa	2	5	I	0	5	TB	2	1	0	0	0	0
12/7	Teresa	2	14	N	1	0	TB	2	1	0	0	0	0
12/7	Teresa	2	2	I	0	0	TB	2	1	0	0	0	0
12/7	Teresa	2	16	N	0	5	TB	2	1	0	0	0	0
12/7	Teresa	2	11	I	0	20	TB	3	1	0	0	2	0
12/7	Teresa	2	8	I	0	10	TB	2	1	0	1	0	0
12/7	Teresa	2	6	I	1	5	TB	3	1	0	0	0	0
12/7	Teresa	2	20	N	1	10	TB	2	1	0	0	2	0
12/7	Teresa	2	15	N	2	0	TB	3	1	0	0	0	0

12/7	Teresa	2	10	I	2	10	TB	2	2	0	0	0	0
12/7	Teresa	2	21	N	2	10	TB	2	1	0	0	4	0
12/7	Teresa	2	24	N	2	20	TB	2	2	0	0	3	0
12/7	Teresa	2	9	I	1	10	TB	3	1	0	0	0	0
12/7	Teresa	2	13	I	2	20	TB	2	1	0	0	0	0
12/7	Teresa	2	12	I	1	20	TB	3	1	0	0	0	0
12/7	Teresa	2	17	N	1	5	TB	2	1	0	0	0	0
12/7	Teresa	2	4	I	2	0	TB	2	1	2	0	0	0
12/7	Teresa	2	1	N	0	0	TB	2	1	0	0	0	0
12/7	Teresa	2	19	N	0	10	TB	3	1	0	0	0	0
12/7	Teresa	2	23	N	1	20	TB	4	1	0	0	0	0
12/7	Teresa	2	7	I	2	5	TB	3	1	0	0	0	0
12/7	Teresa	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Teresa	2	18	N	2	5	TB	.	.	.	.	.	.
12/7	Tracey	2	22	N	0	20	TB	3	1	1	0	1	0
12/7	Tracey	2	5	I	0	5	TB	3	1	1	0	1	0
12/7	Tracey	2	14	N	1	0	TB	3	2	1	0	1	0
12/7	Tracey	2	2	I	0	0	TB	3	1	0	0	0	0
12/7	Tracey	2	16	N	0	5	TB	3	1	0	0	0	0
12/7	Tracey	2	11	I	0	20	TB	3	2	0	0	2	0
12/7	Tracey	2	8	I	0	10	TB	3	1	0	0	0	0
12/7	Tracey	2	6	I	1	5	TB	3	1	0	0	0	0
12/7	Tracey	2	20	N	1	10	TB	3	2	0	0	1	0
12/7	Tracey	2	15	N	2	0	TB	3	1	1	0	1	0
12/7	Tracey	2	10	I	2	10	TB	3	1	0	0	0	0
12/7	Tracey	2	21	N	2	10	TB	4	1	2	0	0	0
12/7	Tracey	2	24	N	2	20	TB	3	1	0	0	2	0
12/7	Tracey	2	9	I	1	10	TB	3	1	0	0	0	0
12/7	Tracey	2	13	I	2	20	TB	3	1	0	0	1	0
12/7	Tracey	2	12	I	1	20	TB	3	0	0	0	1	0
12/7	Tracey	2	17	N	1	5	TB	4	1	1	0	1	0
12/7	Tracey	2	4	I	2	0	TB	3	2	0	0	2	0
12/7	Tracey	2	1	N	0	0	TB	3	1	0	0	0	0
12/7	Tracey	2	19	N	0	10	TB	3	1	0	0	0	0
12/7	Tracey	2	23	N	1	20	TB	3	1	1	0	1	0
12/7	Tracey	2	7	I	2	5	TB	3	1	0	0	0	0
12/7	Tracey	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Tracey	2	18	N	2	5	TB	.	.	.	.	.	.
12/11	Teresa	3	13	I	2	20	SL	2	1	0	0	0	0
12/11	Teresa	3	20	N	1	10	SL	2	1	0	0	1	0
12/11	Teresa	3	2	I	0	0	SL	3	1	0	0	0	0
12/11	Teresa	3	23	N	1	20	SL	2	2	0	0	0	0
12/11	Teresa	3	4	I	2	0	SL	3	1	0	0	0	0

12/11	Teresa	3	1	N	0	0	SL	2	1	0	0	0	0
12/11	Teresa	3	9	I	1	10	SL	3	1	0	0	0	0
12/11	Teresa	3	16	N	0	5	SL	3	1	0	0	0	0
12/11	Teresa	3	12	I	1	20	SL	3	1	0	0	0	0
12/11	Teresa	3	8	I	0	10	SL	3	1	0	0	0	0
12/11	Teresa	3	18	N	2	5	SL	3	2	0	0	0	0
12/11	Teresa	3	15	N	2	0	SL	3	1	0	0	0	0
12/11	Teresa	3	11	I	0	20	SL	3	1	0	0	0	0
12/11	Teresa	3	17	N	1	5	SL	2	1	0	0	0	0
12/11	Teresa	3	19	N	0	10	SL	3	1	0	0	0	0
12/11	Teresa	3	14	N	1	0	SL	3	1	0	0	0	0
12/11	Teresa	3	3	I	1	0	SL	3	1	0	0	0	0
12/11	Teresa	3	7	I	2	5	SL	3	1	0	0	0	0
12/11	Teresa	3	10	I	2	10	SL	3	1	0	0	0	0
12/11	Teresa	3	5	I	0	5	SL	3	2	0	0	0	0
12/11	Teresa	3	22	N	0	20	SL	3	1	0	0	0	0
12/11	Teresa	3	24	N	2	20	SL	3	2	0	0	0	0
12/11	Teresa	3	6	I	1	5	SL	3	1	0	0	0	0
12/11	Teresa	3	21	N	2	10	SL	3	1	0	0	2	0
12/11	Randi	3	13	I	2	20	SL	1	0	0	2	0	2
12/11	Randi	3	20	N	1	10	SL	3	1	1	0	0	0
12/11	Randi	3	2	I	0	0	SL	3	1	0	0	1	0
12/11	Randi	3	23	N	1	20	SL	3	1	1	0	0	0
12/11	Randi	3	4	I	2	0	SL	3	1	0	0	1	0
12/11	Randi	3	1	N	0	0	SL	3	1	1	0	0	0
12/11	Randi	3	9	I	1	10	SL	3	1	0	0	1	0
12/11	Randi	3	16	N	0	5	SL	3	1	0	0	1	0
12/11	Randi	3	12	I	1	20	SL	3	1	0	0	1	0
12/11	Randi	3	8	I	0	10	SL	3	1	0	0	2	0
12/11	Randi	3	18	N	2	5	SL	3	1	1	0	0	0
12/11	Randi	3	15	N	2	0	SL	3	1	1	0	0	0
12/11	Randi	3	11	I	0	20	SL	3	1	0	0	1	0
12/11	Randi	3	17	N	1	5	SL	2	1	1	0	1	0
12/11	Randi	3	19	N	0	10	SL	3	1	0	0	0	0
12/11	Randi	3	14	N	1	0	SL	3	1	1	0	0	0
12/11	Randi	3	3	I	1	0	SL	3	1	0	0	1	0
12/11	Randi	3	7	I	2	5	SL	3	1	0	0	1	0
12/11	Randi	3	10	I	2	10	SL	3	1	0	0	1	0
12/11	Randi	3	5	I	0	5	SL	3	1	0	0	1	0
12/11	Randi	3	22	N	0	20	SL	3	1	1	0	0	0
12/11	Randi	3	24	N	2	20	SL	3	1	1	0	0	0
12/11	Randi	3	6	I	1	5	SL	3	1	0	0	2	0
12/11	Randi	3	21	N	2	10	SL	3	1	0	0	0	0

12/11	Liz	3	13	I	2	20	SL	3	1	0	0	0	0
12/11	Liz	3	20	N	1	10	SL	3	1	1	0	1	0
12/11	Liz	3	2	I	0	0	SL	3	1	0	0	0	0
12/11	Liz	3	23	N	1	20	SL	3	1	0	0	0	0
12/11	Liz	3	4	I	2	0	SL	3	1	1	0	0	0
12/11	Liz	3	1	N	0	0	SL	3	2	1	0	0	0
12/11	Liz	3	9	I	1	10	SL	3	1	0	0	1	0
12/11	Liz	3	16	N	0	5	SL	3	1	1	0	2	0
12/11	Liz	3	12	I	1	20	SL	2	1	0	0	0	0
12/11	Liz	3	8	I	0	10	SL	2	1	0	0	1	0
12/11	Liz	3	18	N	2	5	SL	4	1	0	0	1	0
12/11	Liz	3	15	N	2	0	SL	3	1	2	0	0	0
12/11	Liz	3	11	I	0	20	SL	3	1	0	0	0	0
12/11	Liz	3	17	N	1	5	SL	2	1	0	0	2	0
12/11	Liz	3	19	N	0	10	SL	3	1	1	0	0	0
12/11	Liz	3	14	N	1	0	SL	3	1	0	0	0	0
12/11	Liz	3	3	I	1	0	SL	3	1	1	0	0	0
12/11	Liz	3	7	I	2	5	SL	3	1	0	0	0	0
12/11	Liz	3	10	I	2	10	SL	2	1	0	0	0	0
12/11	Liz	3	5	I	0	5	SL	3	1	0	0	0	0
12/11	Liz	3	22	N	0	20	SL	2	1	0	0	0	0
12/11	Liz	3	24	N	2	20	SL	3	1	0	0	1	0
12/11	Liz	3	6	I	1	5	SL	2	1	0	0	0	0
12/11	Liz	3	21	N	2	10	SL	3	1	0	0	1	0
12/11	Jason	3	13	I	2	20	SL	3	1	0	0	1	0
12/11	Jason	3	20	N	1	10	SL	3	2	2	0	1	0
12/11	Jason	3	2	I	0	0	SL	3	1	0	0	1	0
12/11	Jason	3	23	N	1	20	SL	3	1	0	0	0	0
12/11	Jason	3	4	I	2	0	SL	4	2	1	0	0	1
12/11	Jason	3	1	N	0	0	SL	2	1	1	0	1	0
12/11	Jason	3	9	I	1	10	SL	3	2	1	0	0	0
12/11	Jason	3	16	N	0	5	SL	2	1	0	0	0	0
12/11	Jason	3	12	I	1	20	SL	3	2	0	0	0	0
12/11	Jason	3	8	I	0	10	SL	3	1	0	0	0	0
12/11	Jason	3	18	N	2	5	SL	3	1	0	0	0	0
12/11	Jason	3	15	N	2	0	SL	3	1	0	0	1	0
12/11	Jason	3	11	I	0	20	SL	3	2	1	0	0	0
12/11	Jason	3	17	N	1	5	SL	3	1	0	0	0	0
12/11	Jason	3	19	N	0	10	SL	4	1	0	0	0	0
12/11	Jason	3	14	N	1	0	SL	3	1	0	0	0	0
12/11	Jason	3	3	I	1	0	SL	4	2	0	0	0	0
12/11	Jason	3	7	I	2	5	SL	3	1	0	0	0	0
12/11	Jason	3	10	I	2	10	SL	3	1	0	0	0	0

12/11	Jason	3	5	I	0	5	SL	3	1	0	0	1	0
12/11	Jason	3	22	N	0	20	SL	3	1	0	0	0	0
12/11	Jason	3	24	N	2	20	SL	3	1	2	0	1	0
12/11	Jason	3	6	I	1	5	SL	3	1	0	0	0	0
12/11	Jason	3	21	N	2	10	SL	4	2	1	0	0	0
12/11	Tracey	3	13	I	2	20	SL	3	1	0	0	0	0
12/11	Tracey	3	20	N	1	10	SL	4	2	1	0	1	0
12/11	Tracey	3	2	I	0	0	SL	3	1	1	0	0	0
12/11	Tracey	3	23	N	1	20	SL	3	2	1	0	0	0
12/11	Tracey	3	4	I	2	0	SL	3	1	1	0	0	0
12/11	Tracey	3	1	N	0	0	SL	4	1	1	0	1	0
12/11	Tracey	3	9	I	1	10	SL	3	1	0	0	0	0
12/11	Tracey	3	16	N	0	5	SL	3	1	2	0	1	0
12/11	Tracey	3	12	I	1	20	SL	3	1	0	0	0	0
12/11	Tracey	3	8	I	0	10	SL	3	1	0	0	0	0
12/11	Tracey	3	18	N	2	5	SL	4	1	1	0	0	0
12/11	Tracey	3	15	N	2	0	SL	3	1	1	0	0	0
12/11	Tracey	3	11	I	0	20	SL	3	1	0	0	0	0
12/11	Tracey	3	17	N	1	5	SL	3	1	0	0	2	0
12/11	Tracey	3	19	N	0	10	SL	4	1	1	0	1	0
12/11	Tracey	3	14	N	1	0	SL	3	1	0	1	0	0
12/11	Tracey	3	3	I	1	0	SL	4	1	0	0	0	0
12/11	Tracey	3	7	I	2	5	SL	3	1	0	0	0	0
12/11	Tracey	3	10	I	2	10	SL	3	1	0	0	0	0
12/11	Tracey	3	5	I	0	5	SL	3	1	0	0	1	0
12/11	Tracey	3	22	N	0	20	SL	3	1	1	0	1	0
12/11	Tracey	3	24	N	2	20	SL	3	1	0	1	2	0
12/11	Tracey	3	6	I	1	5	SL	3	1	0	0	0	0
12/11	Tracey	3	21	N	2	10	SL	3	2	0	0	0	0
12/12	Tracey	3	12	I	1	20	TB	3	1	1	1	0	0
12/12	Tracey	3	11	I	0	20	TB	3	1	0	0	2	0
12/12	Tracey	3	22	N	0	20	TB	3	1	0	0	0	0
12/12	Tracey	3	1	N	0	0	TB	3	2	1	0	2	0
12/12	Tracey	3	20	N	1	10	TB	3	1	0	0	1	0
12/12	Tracey	3	14	N	1	0	TB	3	1	1	0	1	0
12/12	Tracey	3	4	I	2	0	TB	3	1	0	0	0	0
12/12	Tracey	3	18	N	2	5	TB	3	1	0	0	0	0
12/12	Tracey	3	7	I	2	5	TB	3	1	0	0	0	0
12/12	Tracey	3	9	I	1	10	TB	3	1	0	0	0	0
12/12	Tracey	3	3	I	1	0	TB	3	1	0	0	1	0
12/12	Tracey	3	13	I	2	20	TB	3	1	0	0	2	0
12/12	Tracey	3	16	I	0	5	TB	3	1	0	0	0	0
12/12	Tracey	3	8	I	0	10	TB	3	1	0	0	0	0

12/12	Tracey	3	15	N	2	0	TB	3	1	1	0	0	0
12/12	Tracey	3	19	N	0	10	TB	3	1	1	0	1	0
12/12	Tracey	3	5	I	0	5	TB	3	1	1	0	1	0
12/12	Tracey	3	21	N	2	10	TB	4	1	1	0	0	0
12/12	Tracey	3	23	N	1	20	TB	3	1	0	0	1	0
12/12	Tracey	3	6	I	1	5	TB	3	1	0	0	0	0
12/12	Tracey	3	2	I	0	0	TB	3	1	0	0	2	0
12/12	Tracey	3	17	N	1	5	TB	4	1	0	0	1	0
12/12	Tracey	3	10	I	2	10	TB	3	1	0	0	0	0
12/12	Tracey	3	24	N	2	20	TB	3	1	1	0	1	0
12/12	Teresa	3	12	I	1	20	TB	3	1	0	2	0	0
12/12	Teresa	3	11	I	0	20	TB	3	1	0	0	2	0
12/12	Teresa	3	22	N	0	20	TB	2	1	1	0	2	0
12/12	Teresa	3	1	N	0	0	TB	2	1	0	0	0	0
12/12	Teresa	3	20	N	1	10	TB	2	1	0	2	0	0
12/12	Teresa	3	14	N	1	0	TB	3	1	0	0	0	0
12/12	Teresa	3	4	I	2	0	TB	3	1	0	0	0	0
12/12	Teresa	3	18	N	2	5	TB	2	1	0	0	0	0
12/12	Teresa	3	7	I	2	5	TB	3	1	0	0	0	0
12/12	Teresa	3	9	I	1	10	TB	3	1	0	2	0	0
12/12	Teresa	3	3	I	1	0	TB	2	2	0	0	0	0
12/12	Teresa	3	13	I	2	20	TB	3	1	0	0	0	0
12/12	Teresa	3	16	I	0	5	TB	2	1	0	0	2	0
12/12	Teresa	3	8	I	0	10	TB	3	1	0	0	0	0
12/12	Teresa	3	15	N	2	0	TB	3	1	0	0	0	0
12/12	Teresa	3	19	N	0	10	TB	3	1	0	0	2	0
12/12	Teresa	3	5	I	0	5	TB	3	1	0	0	0	0
12/12	Teresa	3	21	N	2	10	TB	3	1	0	0	0	0
12/12	Teresa	3	23	N	1	20	TB	2	1	0	0	2	0
12/12	Teresa	3	6	I	1	5	TB	2	1	0	0	0	0
12/12	Teresa	3	2	I	0	0	TB	3	1	0	0	0	0
12/12	Teresa	3	17	N	1	5	TB	3	1	0	0	0	0
12/12	Teresa	3	10	I	2	10	TB	2	1	0	2	0	0
12/12	Teresa	3	24	N	2	20	TB	2	1	0	1	0	0
12/12	Jason	3	12	I	1	20	TB	3	1	0	0	0	0
12/12	Jason	3	11	I	0	20	TB	3	1	0	0	1	0
12/12	Jason	3	22	N	0	20	TB	3	1	0	0	1	0
12/12	Jason	3	1	N	0	0	TB	3	1	1	0	2	0
12/12	Jason	3	20	N	1	10	TB	3	2	0	0	1	0
12/12	Jason	3	14	N	1	0	TB	3	1	0	0	2	0
12/12	Jason	3	4	I	2	0	TB	4	1	1	0	0	0
12/12	Jason	3	18	N	2	5	TB	3	1	1	0	1	0
12/12	Jason	3	7	I	2	5	TB	4	1	0	0	2	0

12/12	Jason	3	9	I	1	10	TB	3	1	0	0	0	0
12/12	Jason	3	3	I	1	0	TB	3	1	1	0	0	0
12/12	Jason	3	13	I	2	20	TB	3	2	0	0	2	0
12/12	Jason	3	16	I	0	5	TB	3	1	0	0	3	0
12/12	Jason	3	8	I	0	10	TB	2	1	0	0	2	0
12/12	Jason	3	15	N	2	0	TB	3	1	0	0	1	0
12/12	Jason	3	19	N	0	10	TB	3	2	2	0	0	1
12/12	Jason	3	5	I	0	5	TB	3	1	0	0	1	0
12/12	Jason	3	21	N	2	10	TB	3	1	0	0	0	1
12/12	Jason	3	23	N	1	20	TB	3	1	0	0	0	0
12/12	Jason	3	6	I	1	5	TB	3	1	0	0	2	0
12/12	Jason	3	2	I	0	0	TB	3	1	0	0	1	0
12/12	Jason	3	17	N	1	5	TB	3	2	1	0	2	0
12/12	Jason	3	10	I	2	10	TB	3	2	0	0	1	0
12/12	Jason	3	24	N	2	20	TB	3	1	0	0	1	0
12/12	Liz	3	12	I	1	20	TB	3	1	0	0	0	0
12/12	Liz	3	11	I	0	20	TB	2	1	0	0	2	0
12/12	Liz	3	22	N	0	20	TB	3	1	0	0	0	0
12/12	Liz	3	1	N	0	0	TB	3	1	0	0	1	0
12/12	Liz	3	20	N	1	10	TB	3	1	0	0	0	0
12/12	Liz	3	14	N	1	0	TB	3	1	1	0	1	0
12/12	Liz	3	4	I	2	0	TB	4	1	0	0	0	0
12/12	Liz	3	18	N	2	5	TB	3	1	0	0	1	0
12/12	Liz	3	7	I	2	5	TB	4	1	0	0	0	0
12/12	Liz	3	9	I	1	10	TB	3	1	0	0	0	0
12/12	Liz	3	3	I	1	0	TB	3	1	0	0	1	0
12/12	Liz	3	13	I	2	20	TB	3	1	1	0	0	0
12/12	Liz	3	16	I	0	5	TB	3	1	0	0	1	0
12/12	Liz	3	8	I	0	10	TB	3	1	0	0	0	0
12/12	Liz	3	15	N	2	0	TB	3	1	0	0	0	0
12/12	Liz	3	19	N	0	10	TB	1	1	0	0	1	0
12/12	Liz	3	5	I	0	5	TB	3	1	0	0	0	0
12/12	Liz	3	21	N	2	10	TB	4	1	1	0	0	0
12/12	Liz	3	23	N	1	20	TB	2	1	0	0	0	0
12/12	Liz	3	6	I	1	5	TB	3	1	0	0	0	0
12/12	Liz	3	2	I	0	0	TB	2	1	0	0	1	0
12/12	Liz	3	17	N	1	5	TB	2	1	0	0	1	0
12/12	Liz	3	10	I	2	10	TB	2	1	0	0	1	0
12/12	Liz	3	24	N	2	20	TB	3	1	0	0	1	0

DATE	PANELIST	REP	TRMT		BLADE	TUMBLE	MUSCLE	SALT	CHEM	BITTER	SOAPY	METAL	CHBURN
10/31	Randi	1	17	N	1	5	CT	0	0	0	0	0	0
10/31	Randi	1	12	I	1	20	CT	0	0	0	0	0	0
10/31	Randi	1	20	N	1	10	CT	0	0	0	0	1	0
10/31	Randi	1	2	I	0	0	CT	0	0	0	0	1	0
10/31	Randi	1	7	I	2	5	CT	1	0	0	0	0	0
10/31	Randi	1	6	I	1	5	CT	1	0	0	0	0	0
10/31	Randi	1	10	I	2	10	CT	1	0	0	0	0	0
10/31	Randi	1	16	N	0	5	CT	0	0	0	0	0	0
10/31	Randi	1	13	I	2	20	CT	0	0	0	0	0	0
10/31	Randi	1	19	N	0	10	CT	0	0	0	0	1	0
10/31	Randi	1	1	N	0	0	CT	0	0	0	0	2	0
10/31	Randi	1	9	I	1	10	CT	2	0	0	0	0	0
10/31	Randi	1	18	N	2	5	CT	0	0	0	0	1	0
10/31	Randi	1	23	N	1	20	CT	0	0	0	0	0	0
10/31	Randi	1	15	N	2	0	CT	0	0	0	0	0	0
10/31	Randi	1	14	N	1	0	CT	0	0	0	0	0	0
10/31	Randi	1	4	I	2	0	CT	1	0	0	0	0	0
10/31	Randi	1	11	I	0	20	CT	0	0	0	0	0	0
10/31	Randi	1	24	N	2	20	CT	0	0	0	0	0	0
10/31	Randi	1	3	I	1	0	CT	1	0	0	0	0	0
10/31	Randi	1	22	N	0	20	CT	0	0	0	0	1	0
10/31	Randi	1	5	I	0	5	CT	1	0	0	0	0	0
10/31	Randi	1	21	N	2	10	CT	1	0	0	0	0	0
10/31	Randi	1	8	I	0	10	CT	0	0	0	0	0	0
10/31	Jason	1	17	N	1	5	CT	2	0	1	0	0	1
10/31	Jason	1	12	I	1	20	CT	1	0	0	0	1	0
10/31	Jason	1	20	N	1	10	CT	1	0	2	2	1	2
10/31	Jason	1	2	I	0	0	CT	2	0	0	0	1	0
10/31	Jason	1	7	I	2	5	CT	1	0	0	0	1	0
10/31	Jason	1	6	I	1	5	CT	1	0	1	0	0	1
10/31	Jason	1	10	I	2	10	CT	2	0	0	0	0	0
10/31	Jason	1	16	N	0	5	CT	0	0	1	2	0	2
10/31	Jason	1	13	I	2	20	CT	2	0	1	0	0	1
10/31	Jason	1	19	N	0	10	CT	2	0	0	0	1	2
10/31	Jason	1	1	N	0	0	CT	3	0	0	1	0	0
10/31	Jason	1	9	I	1	10	CT	1	0	0	1	0	0
10/31	Jason	1	18	N	2	5	CT	1	0	0	0	1	1
10/31	Jason	1	23	N	1	20	CT	1	0	1	2	0	1
10/31	Jason	1	15	N	2	0	CT	1	0	1	0	0	2
10/31	Jason	1	14	N	1	0	CT	1	0	0	0	1	0

10/31	Jason	1	4	I	2	0	CT	1	0	0	1	0	0
10/31	Jason	1	11	I	0	20	CT	1	0	0	0	1	0
10/31	Jason	1	24	N	2	20	CT	1	0	1	0	0	2
10/31	Jason	1	3	I	1	0	CT	2	0	2	0	0	1
10/31	Jason	1	22	N	0	20	CT	1	0	0	0	0	1
10/31	Jason	1	5	I	0	5	CT	2	0	0	0	0	0
10/31	Jason	1	21	N	2	10	CT	0	0	0	0	1	0
10/31	Jason	1	8	I	0	10	CT	1	0	0	0	0	0
10/31	Teresa	1	17	N	1	5	CT	0	0	0	0	0	0
10/31	Teresa	1	12	I	1	20	CT	0	0	0	0	0	0
10/31	Teresa	1	20	N	1	10	CT	0	0	0	0	0	0
10/31	Teresa	1	2	I	0	0	CT	0	0	0	0	0	0
10/31	Teresa	1	7	I	2	5	CT	1	0	0	0	0	0
10/31	Teresa	1	6	I	1	5	CT	2	0	0	0	0	0
10/31	Teresa	1	10	I	2	10	CT	0	0	0	0	0	0
10/31	Teresa	1	16	N	0	5	CT	1	1	0	0	0	0
10/31	Teresa	1	13	I	2	20	CT	1	0	0	0	0	0
10/31	Teresa	1	19	N	0	10	CT	0	0	0	0	0	0
10/31	Teresa	1	1	N	0	0	CT	0	0	0	0	0	0
10/31	Teresa	1	9	I	1	10	CT	2	0	0	0	0	0
10/31	Teresa	1	18	N	2	5	CT	0	0	0	0	0	0
10/31	Teresa	1	23	N	1	20	CT	0	0	0	0	0	0
10/31	Teresa	1	15	N	2	0	CT	1	0	0	0	0	0
10/31	Teresa	1	14	N	1	0	CT	0	0	0	0	0	0
10/31	Teresa	1	4	I	2	0	CT	0	0	0	0	0	0
10/31	Teresa	1	11	I	0	20	CT	2	0	0	0	0	0
10/31	Teresa	1	24	N	2	20	CT	0	0	0	0	0	0
10/31	Teresa	1	3	I	1	0	CT	2	0	0	0	0	0
10/31	Teresa	1	22	N	0	20	CT	0	0	0	0	0	0
10/31	Teresa	1	5	I	0	5	CT	1	0	0	0	0	0
10/31	Teresa	1	21	N	2	10	CT	0	0	0	0	0	0
10/31	Teresa	1	8	I	0	10	CT	0	0	0	0	0	0
10/31	Tracey	1	17	N	1	5	CT	0	0	0	0	1	0
10/31	Tracey	1	12	I	1	20	CT	0	1	1	1	0	1
10/31	Tracey	1	20	N	1	10	CT	0	1	2	0	0	1
10/31	Tracey	1	2	I	0	0	CT	0	1	1	0	1	0
10/31	Tracey	1	7	I	2	5	CT	1	1	0	0	0	1
10/31	Tracey	1	6	I	1	5	CT	1	1	2	0	2	1
10/31	Tracey	1	10	I	2	10	CT	1	0	0	0	2	0
10/31	Tracey	1	16	N	0	5	CT	0	0	0	0	0	0
10/31	Tracey	1	13	I	2	20	CT	2	1	1	1	0	1
10/31	Tracey	1	19	N	0	10	CT	0	0	0	0	2	0
10/31	Tracey	1	1	N	0	0	CT	0	0	0	0	2	0

10/31	Tracey	1	9	I	1	10	CT	1	2	1	0	0	2
10/31	Tracey	1	18	N	2	5	CT	0	0	0	0	2	0
10/31	Tracey	1	23	N	1	20	CT	0	0	0	0	1	0
10/31	Tracey	1	15	N	2	0	CT	1	2	2	0	2	1
10/31	Tracey	1	14	N	1	0	CT	1	0	0	0	1	0
10/31	Tracey	1	4	I	2	0	CT	2	0	0	2	1	0
10/31	Tracey	1	11	I	0	20	CT	2	1	2	0	1	0
10/31	Tracey	1	24	N	2	20	CT	0	0	0	0	2	0
10/31	Tracey	1	3	I	1	0	CT	2	2	2	1	1	2
10/31	Tracey	1	22	N	0	20	CT	0	0	0	0	1	0
10/31	Tracey	1	5	I	0	5	CT	2	0	1	0	0	0
10/31	Tracey	1	21	N	2	10	CT	1	1	0	0	0	0
10/31	Tracey	1	8	I	0	10	CT	0	0	0	0	2	0
10/30	Andy	1	11	I	0	20	BF	1	0	0	0	2	0
10/30	Andy	1	1	N	0	0	BF	0	0	0	0	0	0
10/30	Andy	1	4	I	2	0	BF	4	3	0	0	2	2
10/30	Andy	1	16	N	0	5	BF	0	0	0	0	0	0
10/30	Andy	1	24	N	2	20	BF	0	0	0	0	0	0
10/30	Andy	1	17	N	1	5	BF	0	0	0	0	0	0
10/30	Andy	1	5	I	0	5	BF	0	0	0	0	0	0
10/30	Andy	1	22	N	0	20	BF	0	1	0	0	1	0
10/30	Andy	1	13	I	2	20	BF	3	0	2	0	2	0
10/30	Andy	1	9	I	1	10	BF	4	2	0	0	1	0
10/30	Andy	1	21	N	2	10	BF	0	0	2	0	0	0
10/30	Andy	1	14	N	1	0	BF	0	0	0	0	0	0
10/30	Andy	1	3	I	1	0	BF	3	1	2	0	1	2
10/30	Andy	1	18	N	2	5	BF	0	0	0	0	0	0
10/30	Andy	1	7	I	2	5	BF	4	0	1	0	1	0
10/30	Andy	1	12	I	1	20	BF	3	0	1	0	2	0
10/30	Andy	1	10	I	2	10	BF	4	2	2	0	3	2
10/30	Andy	1	15	N	2	0	BF	0	0	0	0	0	0
10/30	Andy	1	23	N	1	20	BF	0	0	0	0	0	0
10/30	Andy	1	2	I	0	0	BF	2	1	1	1	1	2
10/30	Andy	1	8	I	0	10	BF	2	1	0	2	0	1
10/30	Andy	1	19	N	0	10	BF	0	0	1	0	0	0
10/30	Andy	1	6	I	1	5	BF	2	1	0	0	0	0
10/30	Andy	1	20	N	1	10	BF	1	2	0	0	0	0
10/30	Jason	1	11	I	0	20	BF	1	0	0	0	1	0
10/30	Jason	1	1	N	0	0	BF	1	0	0	0	2	1
10/30	Jason	1	4	I	2	0	BF	1	0	1	0	0	0
10/30	Jason	1	16	N	0	5	BF	1	1	2	0	1	1
10/30	Jason	1	24	N	2	20	BF	1	0	0	0	3	0
10/30	Jason	1	17	N	1	5	BF	1	0	0	0	1	0

10/30	Jason	1	5	I	0	5	BF	1	1	2	0	1	1
10/30	Jason	1	22	N	0	20	BF	1	0	0	1	2	0
10/30	Jason	1	13	I	2	20	BF	1	1	2	0	2	0
10/30	Jason	1	9	I	1	10	BF	2	0	0	0	0	0
10/30	Jason	1	21	N	2	10	BF	1	0	1	0	2	1
10/30	Jason	1	14	N	1	0	BF	1	0	0	0	3	0
10/30	Jason	1	3	I	1	0	BF	1	0	2	0	2	0
10/30	Jason	1	18	N	2	5	BF	1	1	1	0	1	0
10/30	Jason	1	7	I	2	5	BF	1	0	1	0	0	0
10/30	Jason	1	12	I	1	20	BF	1	0	0	0	2	0
10/30	Jason	1	10	I	2	10	BF	1	0	0	0	1	0
10/30	Jason	1	15	N	2	0	BF	2	0	1	0	2	1
10/30	Jason	1	23	N	1	20	BF	1	0	2	1	0	0
10/30	Jason	1	2	I	0	0	BF	1	0	0	0	2	0
10/30	Jason	1	8	I	0	10	BF	2	0	1	3	2	0
10/30	Jason	1	19	N	0	10	BF	1	0	1	0	0	0
10/30	Jason	1	6	I	0	5	BF	2	0	0	2	1	0
10/30	Jason	1	20	N	1	10	BF	1	0	0	0	2	0
10/30	Randi	1	11	I	0	20	BF	1	0	0	0	1	0
10/30	Randi	1	1	N	0	0	BF	0	0	0	0	0	0
10/30	Randi	1	4	I	2	0	BF	1	0	0	0	0	0
10/30	Randi	1	16	N	0	5	BF	0	0	0	0	1	0
10/30	Randi	1	24	N	2	20	BF	0	0	0	0	0	0
10/30	Randi	1	17	N	1	5	BF	0	0	0	0	0	0
10/30	Randi	1	5	I	0	5	BF	2	0	0	0	0	0
10/30	Randi	1	22	N	0	20	BF	0	0	0	0	1	0
10/30	Randi	1	13	I	2	20	BF	0	0	0	0	0	0
10/30	Randi	1	9	I	1	10	BF	0	0	0	0	0	0
10/30	Randi	1	21	N	2	10	BF	0	0	0	0	0	0
10/30	Randi	1	14	N	1	0	BF	0	0	0	0	0	0
10/30	Randi	1	3	I	1	0	BF	2	0	0	0	0	0
10/30	Randi	1	18	N	2	5	BF	0	0	0	0	0	0
10/30	Randi	1	7	I	2	5	BF	1	0	0	0	0	0
10/30	Randi	1	12	I	1	20	BF	0	0	0	0	0	0
10/30	Randi	1	10	I	2	10	BF	2	0	0	1	0	0
10/30	Randi	1	15	N	2	0	BF	0	0	0	0	0	0
10/30	Randi	1	23	N	1	20	BF	0	0	0	0	0	0
10/30	Randi	1	2	I	0	0	BF	1	0	0	0	0	0
10/30	Randi	1	8	I	0	10	BF	0	0	0	0	0	0
10/30	Randi	1	19	N	0	10	BF	0	0	0	0	0	0
10/30	Randi	1	6	I	0	5	BF	1	0	0	0	0	0
10/30	Randi	1	20	N	1	10	BF	0	0	0	0	1	0
10/30	Teresa	1	11	I	0	20	BF	2	1	0	0	0	0

10/30	Teresa	1	1	N	0	0	BF	0	0	0	0	0	0
10/30	Teresa	1	4	I	2	0	BF	2	0	0	0	0	0
10/30	Teresa	1	16	N	0	5	BF	1	0	0	0	0	0
10/30	Teresa	1	24	N	2	20	BF	1	0	0	0	0	0
10/30	Teresa	1	17	N	1	5	BF	1	0	0	0	0	0
10/30	Teresa	1	5	I	0	5	BF	1	0	0	0	0	0
10/30	Teresa	1	22	N	0	20	BF	1	0	0	0	0	0
10/30	Teresa	1	13	I	2	20	BF	2	0	0	0	0	0
10/30	Teresa	1	9	I	1	10	BF	0	0	0	0	0	0
10/30	Teresa	1	21	N	2	10	BF	1	0	0	0	0	0
10/30	Teresa	1	14	N	1	0	BF	0	0	0	0	0	0
10/30	Teresa	1	3	I	1	0	BF	2	0	0	0	0	0
10/30	Teresa	1	18	N	2	5	BF	1	0	0	0	0	0
10/30	Teresa	1	7	I	2	5	BF	2	0	0	0	0	0
10/30	Teresa	1	12	I	1	20	BF	2	0	0	0	0	0
10/30	Teresa	1	10	I	2	10	BF	2	0	0	0	0	0
10/30	Teresa	1	15	N	2	0	BF	0	0	0	0	0	0
10/30	Teresa	1	23	N	1	20	BF	1	0	0	0	0	0
10/30	Teresa	1	2	I	0	0	BF	2	1	0	0	0	0
10/30	Teresa	1	8	I	0	10	BF	2	0	0	0	0	0
10/30	Teresa	1	19	N	0	10	BF	0	0	0	0	0	0
10/30	Teresa	1	6	I	0	5	BF	1	0	0	0	0	0
10/30	Teresa	1	20	N	1	10	BF	0	0	0	0	0	0
10/30	Tracey	1	11	I	0	20	BF	1	2	2	0	0	1
10/30	Tracey	1	1	N	0	0	BF	0	0	0	0	2	0
10/30	Tracey	1	4	I	2	0	BF	2	3	2	0	0	2
10/30	Tracey	1	16	N	0	5	BF	0	0	0	0	2	0
10/30	Tracey	1	24	N	2	20	BF	0	0	0	0	2	0
10/30	Tracey	1	17	N	1	5	BF	1	0	0	0	2	0
10/30	Tracey	1	5	I	0	5	BF	3	2	3	0	0	2
10/30	Tracey	1	22	N	0	20	BF	1	0	1	0	2	0
10/30	Tracey	1	13	I	2	20	BF	2	2	1	0	0	2
10/30	Tracey	1	9	I	1	10	BF	0	0	0	0	0	0
10/30	Tracey	1	21	N	2	10	BF	2	1	1	0	1	1
10/30	Tracey	1	14	N	1	0	BF	1	0	1	0	2	0
10/30	Tracey	1	3	I	1	0	BF	1	2	2	0	0	2
10/30	Tracey	1	18	N	2	5	BF	0	0	0	0	2	0
10/30	Tracey	1	7	I	2	5	BF	1	1	2	0	0	2
10/30	Tracey	1	12	I	1	20	BF	0	0	0	0	1	0
10/30	Tracey	1	10	I	2	10	BF	2	1	1	0	0	1
10/30	Tracey	1	15	N	2	0	BF	0	0	0	0	2	0
10/30	Tracey	1	23	N	1	20	BF	1	0	0	0	1	0
10/30	Tracey	1	2	I	0	0	BF	0	2	2	0	0	2

10/30	Tracey	1	8	I	0	10	BF	2	1	2	1	0	1
10/30	Tracey	1	19	N	0	10	BF	0	0	0	0	2	0
10/30	Tracey	1	6	I	0	5	BF	2	0	1	0	0	0
10/30	Tracey	1	20	N	1	10	BF	0	0	0	0	1	0
11/1	Tracey	2	12	I	1	20	CT	2	0	1	0	1	0
11/1	Tracey	2	8	I	0	10	CT	1	0	0	0	0	0
11/1	Tracey	2	14	N	1	0	CT	1	0	1	0	1	0
11/1	Tracey	2	9	I	1	10	CT	0	0	2	0	0	0
11/1	Tracey	2	18	N	2	5	CT	0	0	0	0	1	0
11/1	Tracey	2	22	N	0	20	CT	0	0	0	0	0	0
11/1	Tracey	2	2	I	0	0	CT	1	0	0	0	0	0
11/1	Tracey	2	24	N	2	20	CT	1	0	0	0	1	0
11/1	Tracey	2	5	I	0	5	CT	2	0	0	0	0	1
11/1	Tracey	2	23	N	1	20	CT	0	0	0	0	2	0
11/1	Tracey	2	20	N	1	10	CT	3	0	0	0	0	0
11/1	Tracey	2	19	N	0	10	CT	0	0	0	0	2	0
11/1	Tracey	2	10	I	2	10	CT	1	0	1	0	1	0
11/1	Tracey	2	13	I	2	20	CT	2	0	0	0	0	0
11/1	Tracey	2	11	I	0	20	CT	3	0	1	1	1	0
11/1	Tracey	2	21	N	2	10	CT	0	0	0	0	1	0
11/1	Tracey	2	7	I	2	5	CT	1	1	0	0	0	1
11/1	Tracey	2	16	N	0	5	CT	2	2	0	0	0	1
11/1	Tracey	2	4	I	2	0	CT	2	0	1	0	0	0
11/1	Tracey	2	6	I	1	5	CT	2	0	1	0	0	0
11/1	Tracey	2	3	I	1	0	CT	1	0	1	0	2	0
11/1	Tracey	2	17	N	1	5	CT	0	0	0	0	1	0
11/1	Tracey	2	15	N	2	0	CT	.	.	.	.	.	.
11/1	Tracey	2	1	N	0	0	CT	.	.	.	.	.	.
11/1	Jason	2	12	I	1	20	CT	1	0	0	0	1	0
11/1	Jason	2	8	I	0	10	CT	2	0	0	0	0	1
11/1	Jason	2	14	N	1	0	CT	1	0	0	0	0	0
11/1	Jason	2	9	I	1	10	CT	0	0	0	0	1	1
11/1	Jason	2	18	N	2	5	CT	0	0	1	0	1	0
11/1	Jason	2	22	N	0	20	CT	1	0	0	0	3	0
11/1	Jason	2	2	I	0	0	CT	1	0	0	1	0	0
11/1	Jason	2	24	N	2	20	CT	1	0	0	0	0	0
11/1	Jason	2	5	I	0	5	CT	2	0	1	0	0	1
11/1	Jason	2	23	N	1	20	CT	2	0	2	2	2	2
11/1	Jason	2	20	N	1	10	CT	1	0	0	0	0	0
11/1	Jason	2	19	N	0	10	CT	1	0	0	0	3	0
11/1	Jason	2	10	I	2	10	CT	0	0	1	0	1	1
11/1	Jason	2	13	I	2	20	CT	3	0	0	2	0	2
11/1	Jason	2	11	I	0	20	CT	0	0	2	2	0	2

11/1	Jason	2	21	N	2	10	CT	2	0	0	2	0	0
11/1	Jason	2	7	I	2	5	CT	1	0	0	0	2	0
11/1	Jason	2	16	N	0	5	CT	1	0	0	0	1	0
11/1	Jason	2	4	I	2	0	CT	1	0	0	0	0	1
11/1	Jason	2	6	I	1	5	CT	2	0	2	0	0	2
11/1	Jason	2	3	I	1	0	CT	3	0	0	2	1	0
11/1	Jason	2	17	N	1	5	CT	2	0	2	0	0	2
11/1	Jason	2	15	N	2	0	CT	2	0	0	1	0	0
11/1	Jason	2	1	N	0	0	CT	.	.	.	.	.	.
11/1	Tara	2	12	I	1	20	CT	1	0	0	1	0	0
11/1	Tara	2	8	I	0	10	CT	0	0	0	1	0	0
11/1	Tara	2	14	N	1	0	CT	1	0	0	0	1	0
11/1	Tara	2	9	I	1	10	CT	0	0	0	0	1	1
11/1	Tara	2	18	N	2	5	CT	0	0	0	1	0	0
11/1	Tara	2	22	N	0	20	CT	1	0	0	1	1	0
11/1	Tara	2	2	I	0	0	CT	0	0	0	1	1	0
11/1	Tara	2	24	N	2	20	CT	0	0	0	0	0	1
11/1	Tara	2	5	I	0	5	CT	1	0	0	1	2	0
11/1	Tara	2	23	N	1	20	CT	0	0	1	1	0	0
11/1	Tara	2	20	N	1	10	CT	1	1	0	0	1	2
11/1	Tara	2	19	N	0	10	CT	0	0	0	0	0	0
11/1	Tara	2	10	I	2	10	CT	0	0	0	0	1	1
11/1	Tara	2	13	I	2	20	CT	1	1	0	1	0	0
11/1	Tara	2	11	I	0	20	CT	1	0	0	1	1	1
11/1	Tara	2	21	N	2	10	CT	0	0	0	0	0	0
11/1	Tara	2	7	I	2	5	CT	0	0	0	1	1	0
11/1	Tara	2	16	N	0	5	CT	0	0	0	1	0	0
11/1	Tara	2	4	I	2	0	CT	0	1	0	0	0	3
11/1	Tara	2	6	I	1	5	CT	0	0	0	0	2	1
11/1	Tara	2	3	I	1	0	CT	1	0	0	1	0	0
11/1	Tara	2	17	N	1	5	CT	0	0	0	0	0	0
11/1	Tara	2	15	N	2	0	CT	1	0	0	0	0	0
11/1	Tara	2	1	N	0	0	CT	.	.	.	.	.	.
11/1	Randi	2	12	I	1	20	CT	1	0	0	0	0	0
11/1	Randi	2	8	I	0	10	CT	1	0	0	0	0	0
11/1	Randi	2	14	N	1	0	CT	0	0	0	0	1	0
11/1	Randi	2	9	I	1	10	CT	0	0	0	0	0	0
11/1	Randi	2	18	N	2	5	CT	0	0	0	0	0	0
11/1	Randi	2	22	N	0	20	CT	0	0	0	0	0	0
11/1	Randi	2	2	I	0	0	CT	0	0	0	0	0	0
11/1	Randi	2	24	N	2	20	CT	0	0	0	0	0	0
11/1	Randi	2	5	I	0	5	CT	0	0	0	0	0	0
11/1	Randi	2	23	N	1	20	CT	0	0	0	0	0	0

11/1	Randi	2	20	N	1	10	CT	0	0	0	0	0	0		
11/1	Randi	2	19	N	0	10	CT	0	0	0	0	0	0		
11/1	Randi	2	10	I	2	10	CT	0	0	0	0	0	0		
11/1	Randi	2	13	I	2	20	CT	1	0	0	0	0	0		
11/1	Randi	2	11	I	0	20	CT	1	0	0	0	0	0		
11/1	Randi	2	21	N	2	10	CT	0	0	0	0	0	0		
11/1	Randi	2	7	I	2	5	CT	0	0	0	0	0	0		
11/1	Randi	2	16	N	0	5	CT	0	0	0	0	0	0		
11/1	Randi	2	4	I	2	0	CT	1	0	0	0	0	0		
11/1	Randi	2	6	I	1	5	CT	0	0	0	0	0	0		
11/1	Randi	2	3	I	1	0	CT	0	0	0	0	0	0		
11/1	Randi	2	17	N	1	5	CT	0	0	0	0	0	0		
11/1	Randi	2	15	N	2	0	CT	0	0	0	0	0	0		
11/1	Randi	2	1	N	0	0	CT	.	.	.	.	.	.		
11/1/202		Teresa		2	12	I	1	20	CT	0	0	0	0	0	0
11/1/202		Teresa		2	8	I	0	10	CT	1	0	0	0	0	0
11/1/202		Teresa		2	14	N	1	0	CT	1	0	0	0	0	0
11/1/202		Teresa		2	9	I	1	10	CT	1	0	0	0	0	0
11/1/202		Teresa		2	18	N	2	5	CT	0	0	0	0	0	0
11/1/202		Teresa		2	22	N	0	20	CT	0	0	0	0	0	0
11/1/202		Teresa		2	2	I	0	0	CT	0	0	0	0	0	0
11/1/202		Teresa		2	24	N	2	20	CT	0	0	0	0	0	0
11/1/202		Teresa		2	5	I	0	5	CT	2	0	0	0	0	0
11/1/202		Teresa		2	23	N	1	20	CT	0	0	0	0	0	0
11/1/202		Teresa		2	20	N	1	10	CT	2	0	0	0	0	0
11/1/202		Teresa		2	19	N	0	10	CT	0	0	0	0	0	0
11/1/202		Teresa		2	10	I	2	10	CT	0	0	0	0	0	0
11/1/202		Teresa		2	13	I	2	20	CT	2	0	0	0	0	0
11/1/202		Teresa		2	11	I	0	20	CT	1	0	0	0	0	0
11/1/202		Teresa		2	21	N	2	10	CT	0	0	0	0	0	0
11/1/202		Teresa		2	7	I	2	5	CT	1	0	0	0	0	0
11/1/202		Teresa		2	16	N	0	5	CT	0	0	0	0	0	0
11/1/202		Teresa		2	4	I	2	0	CT	0	0	0	0	0	0
11/1/202		Teresa		2	6	I	1	5	CT	0	0	0	0	0	0
11/1/202		Teresa		2	3	I	1	0	CT	1	0	0	0	0	0
11/1/202		Teresa		2	17	N	1	5	CT	1	0	0	0	0	0
11/1/202		Teresa		2	15	N	2	0	CT	0	0	0	0	0	0
11/1/202		Teresa		2	1	N	0	0	CT	.	.	.	..	.	.
11/2	Tara	2	13	I	2	20	BF	2	0	1	0	0	0		
11/2	Tara	2	15	N	2	0	BF	0	0	0	0	0	1		
11/2	Tara	2	7	I	2	5	BF	1	0	0	0	1	0		
11/2	Tara	2	23	N	1	20	BF	0	0	0	0	0	0		
11/2	Tara	2	22	N	0	20	BF	1	0	0	0	0	0		

11/2	Tara	2	14	N	1	0	BF	0	0	1	0	0	1
11/2	Tara	2	10	I	2	10	BF	1	0	0	0	0	0
11/2	Tara	2	2	I	0	0	BF	1	0	1	0	0	0
11/2	Tara	2	24	N	2	20	BF	0	0	0	0	0	1
11/2	Tara	2	17	N	1	5	BF	1	0	0	0	0	0
11/2	Tara	2	1	N	0	0	BF	1	0	0	0	0	0
11/2	Tara	2	11	I	0	20	BF	3	0	2	0	1	1
11/2	Tara	2	16	N	0	5	BF	0	0	0	0	0	0
11/2	Tara	2	12	I	1	20	BF	1	0	0	0	0	0
11/2	Tara	2	8	I	0	10	BF	2	0	1	0	1	0
11/2	Tara	2	18	N	2	5	BF	0	0	0	0	0	0
11/2	Tara	2	21	N	2	10	BF	0	1	0	0	0	1
11/2	Tara	2	4	I	2	0	BF	3	1	2	0	2	1
11/2	Tara	2	9	I	1	10	BF	0	0	1	0	0	0
11/2	Tara	2	20	N	1	10	BF	0	1	0	0	0	1
11/2	Tara	2	19	N	0	10	BF	1	0	1	0	0	0
11/2	Tara	2	5	I	0	5	BF	0	1	0	0	0	2
11/2	Tara	2	6	I	1	5	BF	2	0	0	0	0	1
11/2	Tara	2	3	I	1	0	BF	3	1	1	0	1	1
11/2	Andy	2	13	I	2	20	BF	1	0	0	0	0	0
11/2	Andy	2	15	N	2	0	BF	0	0	1	0	0	0
11/2	Andy	2	7	I	2	5	BF	3	1	1	0	0	0
11/2	Andy	2	23	N	1	20	BF	0	0	0	0	0	0
11/2	Andy	2	22	N	0	20	BF	0	0	1	0	0	0
11/2	Andy	2	14	N	1	0	BF	0	0	0	0	0	0
11/2	Andy	2	10	I	2	10	BF	2	1	1	1	3	1
11/2	Andy	2	2	I	0	0	BF	0	1	2	0	0	0
11/2	Andy	2	24	N	2	20	BF	0	0	1	0	1	0
11/2	Andy	2	17	N	1	5	BF	0	0	0	0	0	0
11/2	Andy	2	1	N	0	0	BF	2	1	1	0	2	0
11/2	Andy	2	11	I	0	20	BF	3	2	1	1	3	0
11/2	Andy	2	16	N	0	5	BF	3	1	2	0	0	0
11/2	Andy	2	12	I	1	20	BF	2	1	0	0	1	0
11/2	Andy	2	8	I	0	10	BF	3	1	1	1	2	0
11/2	Andy	2	18	N	2	5	BF	0	0	0	0	0	0
11/2	Andy	2	21	N	2	10	BF	0	0	0	0	0	0
11/2	Andy	2	4	I	2	0	BF	3	0	1	2	3	0
11/2	Andy	2	9	I	1	10	BF	0	0	0	0	0	0
11/2	Andy	2	20	N	1	10	BF	0	0	2	0	2	0
11/2	Andy	2	19	N	0	10	BF	0	0	1	0	1	0
11/2	Andy	2	5	I	0	5	BF	2	0	1	0	1	1
11/2	Andy	2	6	I	1	5	BF	3	2	1	1	2	3
11/2	Andy	2	3	I	1	0	BF	1	1	1	0	0	0

11/2	Teresa	2	13	I	2	20	BF	3	0	0	0	0	0
11/2	Teresa	2	15	N	2	0	BF	0	0	0	0	0	0
11/2	Teresa	2	7	I	2	5	BF	2	0	0	0	0	0
11/2	Teresa	2	23	N	1	20	BF	0	0	0	0	0	0
11/2	Teresa	2	22	N	0	20	BF	0	0	0	0	0	0
11/2	Teresa	2	14	N	1	0	BF	1	0	0	0	0	0
11/2	Teresa	2	10	I	2	10	BF	0	0	0	0	0	0
11/2	Teresa	2	2	I	0	0	BF	2	0	2	0	0	0
11/2	Teresa	2	24	N	2	20	BF	0	0	0	0	0	0
11/2	Teresa	2	17	N	1	5	BF	0	0	0	0	0	0
11/2	Teresa	2	1	N	0	0	BF	1	0	0	0	0	0
11/2	Teresa	2	11	I	0	20	BF	2	0	0	0	0	0
11/2	Teresa	2	16	N	0	5	BF	0	0	0	0	0	0
11/2	Teresa	2	12	I	1	20	BF	0	0	0	0	0	0
11/2	Teresa	2	8	I	0	10	BF	1	0	0	0	0	0
11/2	Teresa	2	18	N	2	5	BF	0	0	0	0	0	0
11/2	Teresa	2	21	N	2	10	BF	0	0	0	0	0	0
11/2	Teresa	2	4	I	2	0	BF	3	0	2	0	0	0
11/2	Teresa	2	9	I	1	10	BF	0	0	0	0	0	0
11/2	Teresa	2	20	N	1	10	BF	1	0	0	0	0	0
11/2	Teresa	2	19	N	0	10	BF	0	0	0	0	0	0
11/2	Teresa	2	5	I	0	5	BF	1	0	0	0	0	0
11/2	Teresa	2	6	I	1	5	BF	2	0	2	0	0	2
11/2	Teresa	2	3	I	1	0	BF	1	0	0	0	0	0
11/2	Tracey	2	13	I	2	20	BF	0	0	0	0	1	0
11/2	Tracey	2	15	N	2	0	BF	0	0	0	0	1	0
11/2	Tracey	2	7	I	2	5	BF	1	0	0	1	0	0
11/2	Tracey	2	23	N	1	20	BF	0	0	0	0	0	0
11/2	Tracey	2	22	N	0	20	BF	0	0	0	0	1	0
11/2	Tracey	2	14	N	1	0	BF	1	0	0	0	1	0
11/2	Tracey	2	10	I	2	10	BF	1	0	1	0	1	0
11/2	Tracey	2	2	I	0	0	BF	2	0	1	1	0	0
11/2	Tracey	2	24	N	2	20	BF	0	0	1	0	1	0
11/2	Tracey	2	17	N	1	5	BF	0	0	0	0	2	0
11/2	Tracey	2	1	N	0	0	BF	1	0	1	1	0	0
11/2	Tracey	2	11	I	0	20	BF	2	0	0	0	0	0
11/2	Tracey	2	16	N	0	5	BF	0	0	0	0	1	0
11/2	Tracey	2	12	I	1	20	BF	0	0	1	0	0	0
11/2	Tracey	2	8	I	0	10	BF	1	0	0	0	0	0
11/2	Tracey	2	18	N	2	5	BF	0	0	0	0	0	0
11/2	Tracey	2	21	N	2	10	BF	0	0	0	0	1	0
11/2	Tracey	2	4	I	2	0	BF	3	1	2	0	0	1
11/2	Tracey	2	9	I	1	10	BF	0	0	0	0	1	0

11/2	Tracey	2	20	N	1	10	BF	0	0	0	0	1	0
11/2	Tracey	2	19	N	0	10	BF	0	0	0	0	1	0
11/2	Tracey	2	5	I	0	5	BF	1	0	0	0	1	0
11/2	Tracey	2	6	I	1	5	BF	2	1	1	0	0	1
11/2	Tracey	2	3	I	1	0	BF	0	0	0	0	0	0
11/2	Jason	2	13	I	2	20	BF	0	0	0	0	2	0
11/2	Jason	2	15	N	2	0	BF	1	0	2	0	0	2
11/2	Jason	2	7	I	2	5	BF	2	0	0	0	0	0
11/2	Jason	2	23	N	1	20	BF	2	0	0	0	1	0
11/2	Jason	2	22	N	0	20	BF	1	0	1	0	0	0
11/2	Jason	2	14	N	1	0	BF	1	0	0	0	0	0
11/2	Jason	2	10	I	2	10	BF	2	0	2	0	0	2
11/2	Jason	2	2	I	0	0	BF	1	0	1	0	2	1
11/2	Jason	2	24	N	2	20	BF	1	0	0	0	1	1
11/2	Jason	2	17	N	1	5	BF	1	0	0	0	1	0
11/2	Jason	2	1	N	0	0	BF	2	0	1	0	1	1
11/2	Jason	2	11	I	0	20	BF	3	0	2	1	3	2
11/2	Jason	2	16	N	0	5	BF	1	0	2	0	2	2
11/2	Jason	2	12	I	1	20	BF	2	0	0	0	1	0
11/2	Jason	2	8	I	0	10	BF	1	1	0	2	2	1
11/2	Jason	2	18	N	2	5	BF	1	0	0	0	2	2
11/2	Jason	2	21	N	2	10	BF	1	0	1	0	2	1
11/2	Jason	2	4	I	2	0	BF	2	0	2	0	2	2
11/2	Jason	2	9	I	1	10	BF	0	0	2	3	1	2
11/2	Jason	2	20	N	1	10	BF	0	0	2	0	0	4
11/2	Jason	2	19	N	0	10	BF	1	0	1	0	0	2
11/2	Jason	2	5	I	0	5	BF	1	0	2	2	0	1
11/2	Jason	2	6	I	1	5	BF	1	0	0	0	2	0
11/2	Jason	2	3	I	1	0	BF	1	0	1	0	0	1
11/3	Andy	3	2	I	0	0	CT	2	0	1	0	1	0
11/3	Andy	3	11	I	0	20	CT	0	0	0	0	0	0
11/3	Andy	3	22	N	0	20	CT	1	0	1	0	0	0
11/3	Andy	3	19	N	0	10	CT	0	0	0	0	0	0
11/3	Andy	3	12	I	1	20	CT	2	0	0	0	1	0
11/3	Andy	3	21	N	2	10	CT	0	0	0	0	0	0
11/3	Andy	3	1	N	0	0	CT	0	0	1	0	0	0
11/3	Andy	3	18	N	2	5	CT	0	0	0	0	0	0
11/3	Andy	3	4	I	2	0	CT	1	0	1	0	1	0
11/3	Andy	3	23	N	1	20	CT	0	0	2	0	1	0
11/3	Andy	3	16	N	0	5	CT	0	0	2	0	0	0
11/3	Andy	3	5	I	0	5	CT	2	0	1	0	1	0
11/3	Andy	3	9	I	1	10	CT	2	0	1	0	1	1
11/3	Andy	3	3	I	1	0	CT	0	0	0	0	1	2

11/3	Andy	3	10	I	2	10	CT	0	3	1	0	2	4
11/3	Andy	3	14	N	1	0	CT	0	0	1	0	0	0
11/3	Andy	3	13	I	2	20	CT	3	1	1	0	2	1
11/3	Andy	3	7	I	2	5	CT	1	1	1	0	1	2
11/3	Andy	3	15	N	2	0	CT	0	0	0	0	0	0
11/3	Andy	3	17	N	1	5	CT	0	0	0	0	0	1
11/3	Andy	3	6	I	1	5	CT	0	1	0	0	0	1
11/3	Andy	3	24	N	2	20	CT	0	0	0	0	0	0
11/3	Andy	3	20	N	1	10	CT	0	0	0	0	0	0
11/3	Andy	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Teresa	3	2	I	0	0	CT	2	0	0	0	0	0
11/3	Teresa	3	11	I	0	20	CT	0	0	0	0	0	0
11/3	Teresa	3	22	N	0	20	CT	0	0	0	0	0	0
11/3	Teresa	3	19	N	0	10	CT	0	0	2	0	0	0
11/3	Teresa	3	12	I	1	20	CT	0	0	2	0	0	0
11/3	Teresa	3	21	N	2	10	CT	0	0	0	0	0	0
11/3	Teresa	3	1	N	0	0	CT	0	0	0	0	0	0
11/3	Teresa	3	18	N	2	5	CT	1	0	0	0	0	0
11/3	Teresa	3	4	I	2	0	CT	0	0	0	0	0	0
11/3	Teresa	3	23	N	1	20	CT	0	0	0	0	0	0
11/3	Teresa	3	16	N	0	5	CT	0	0	0	0	0	0
11/3	Teresa	3	5	I	0	5	CT	1	0	1	0	0	0
11/3	Teresa	3	9	I	1	10	CT	0	0	0	0	0	0
11/3	Teresa	3	3	I	1	0	CT	2	0	0	0	0	0
11/3	Teresa	3	10	I	2	10	CT	0	0	0	0	0	0
11/3	Teresa	3	14	N	1	0	CT	0	0	0	0	0	0
11/3	Teresa	3	13	I	2	20	CT	0	0	0	0	0	0
11/3	Teresa	3	7	I	2	5	CT	1	0	0	0	0	0
11/3	Teresa	3	15	N	2	0	CT	0	0	0	0	0	0
11/3	Teresa	3	17	N	1	5	CT	0	0	0	0	0	0
11/3	Teresa	3	6	I	1	5	CT	1	0	0	0	0	0
11/3	Teresa	3	24	N	2	20	CT	0	0	0	0	0	0
11/3	Teresa	3	20	N	1	10	CT	0	0	0	0	0	0
11/3	Teresa	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Jason	3	2	I	0	0	CT	1	0	1	2	0	2
11/3	Jason	3	11	I	0	20	CT	0	0	1	0	1	1
11/3	Jason	3	22	N	0	20	CT	1	0	0	0	0	0
11/3	Jason	3	19	N	0	10	CT	1	0	0	0	0	0
11/3	Jason	3	12	I	1	20	CT	2	0	2	1	2	1
11/3	Jason	3	21	N	2	10	CT	1	0	2	2	0	2
11/3	Jason	3	1	N	0	0	CT	1	0	0	0	0	0
11/3	Jason	3	18	N	2	5	CT	1	0	1	2	0	1
11/3	Jason	3	4	I	2	0	CT	1	0	0	0	1	0

11/3	Jason	3	23	N	1	20	CT	1	0	2	2	0	1
11/3	Jason	3	16	N	0	5	CT	1	0	0	0	0	0
11/3	Jason	3	5	I	0	5	CT	2	0	2	2	2	3
11/3	Jason	3	9	I	1	10	CT	2	0	0	0	0	0
11/3	Jason	3	3	I	1	0	CT	2	0	2	2	0	3
11/3	Jason	3	10	I	2	10	CT	1	0	0	0	0	1
11/3	Jason	3	14	N	1	0	CT	2	0	2	1	0	2
11/3	Jason	3	13	I	2	20	CT	1	0	2	0	0	2
11/3	Jason	3	7	I	2	5	CT	0	0	2	1	0	0
11/3	Jason	3	15	N	2	0	CT	1	0	3	0	0	2
11/3	Jason	3	17	N	1	5	CT	1	0	1	0	0	1
11/3	Jason	3	6	I	1	5	CT	1	0	2	2	0	3
11/3	Jason	3	24	N	2	20	CT	1	0	0	0	1	0
11/3	Jason	3	20	N	1	10	CT	2	0	0	2	0	0
11/3	Jason	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Tracey	3	2	I	0	0	CT	2	0	1	0	0	1
11/3	Tracey	3	11	I	0	20	CT	0	0	0	0	1	0
11/3	Tracey	3	22	N	0	20	CT	0	0	0	0	0	0
11/3	Tracey	3	19	N	0	10	CT	0	0	0	0	1	0
11/3	Tracey	3	12	I	1	20	CT	0	0	0	0	0	0
11/3	Tracey	3	21	N	2	10	CT	0	0	0	0	2	0
11/3	Tracey	3	1	N	0	0	CT	0	1	0	0	1	0
11/3	Tracey	3	18	N	2	5	CT	0	0	0	0	1	0
11/3	Tracey	3	4	I	2	0	CT	1	0	0	0	2	0
11/3	Tracey	3	23	N	1	20	CT	0	0	0	0	1	0
11/3	Tracey	3	16	N	0	5	CT	0	0	0	0	2	0
11/3	Tracey	3	5	I	0	5	CT	1	0	0	0	2	0
11/3	Tracey	3	9	I	1	10	CT	1	0	0	0	2	0
11/3	Tracey	3	3	I	1	0	CT	2	0	1	0	0	0
11/3	Tracey	3	10	I	2	10	CT	2	1	2	1	0	1
11/3	Tracey	3	14	N	1	0	CT	0	0	0	0	2	0
11/3	Tracey	3	13	I	2	20	CT	2	0	1	0	0	0
11/3	Tracey	3	7	I	2	5	CT	0	0	0	0	2	0
11/3	Tracey	3	15	N	2	0	CT	0	0	0	0	1	0
11/3	Tracey	3	17	N	1	5	CT	1	0	0	0	0	0
11/3	Tracey	3	6	I	1	5	CT	3	0	2	0	0	0
11/3	Tracey	3	24	N	2	20	CT	0	0	0	0	2	0
11/3	Tracey	3	20	N	1	10	CT	0	0	0	0	2	0
11/3	Tracey	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Tara	3	2	I	0	0	CT	1	0	0	0	0	0
11/3	Tara	3	11	I	0	20	CT	0	0	0	0	0	0
11/3	Tara	3	22	N	0	20	CT	0	0	1	0	0	0
11/3	Tara	3	19	N	0	10	CT	1	0	1	0	2	0

11/3	Tara	3	12	I	1	20	CT	1	0	1	0	0	0
11/3	Tara	3	21	N	2	10	CT	0	1	0	0	1	2
11/3	Tara	3	1	N	0	0	CT	1	0	0	1	1	0
11/3	Tara	3	18	N	2	5	CT	1	0	0	0	0	1
11/3	Tara	3	4	I	2	0	CT	1	0	1	0	2	1
11/3	Tara	3	23	N	1	20	CT	1	0	0	0	0	0
11/3	Tara	3	16	N	0	5	CT	0	0	0	1	0	1
11/3	Tara	3	5	I	0	5	CT	0	1	0	1	0	1
11/3	Tara	3	9	I	1	10	CT	0	1	0	0	0	2
11/3	Tara	3	3	I	1	0	CT	1	0	1	1	1	0
11/3	Tara	3	10	I	2	10	CT	2	0	1	1	1	0
11/3	Tara	3	14	N	1	0	CT	1	0	0	0	1	1
11/3	Tara	3	13	I	2	20	CT	1	0	0	0	0	0
11/3	Tara	3	7	I	2	5	CT	1	0	1	0	0	1
11/3	Tara	3	15	N	2	0	CT	0	0	0	0	0	0
11/3	Tara	3	17	N	1	5	CT	0	0	0	0	0	1
11/3	Tara	3	6	I	1	5	CT	1	0	1	0	2	0
11/3	Tara	3	24	N	2	20	CT	1	0	0	0	0	0
11/3	Tara	3	20	N	1	10	CT	0	0	0	1	0	0
11/3	Tara	3	8	I	0	10	CT	.	.	.	.	.	.
11/3	Randi	3	2	I	0	0	CT	1	0	0	0	0	0
11/3	Randi	3	11	I	0	20	CT	1	0	0	0	0	0
11/3	Randi	3	22	N	0	20	CT	0	0	0	0	0	0
11/3	Randi	3	19	N	0	10	CT	0	0	0	0	0	0
11/3	Randi	3	12	I	1	20	CT	1	0	0	0	0	0
11/3	Randi	3	21	N	2	10	CT	0	0	0	0	0	0
11/3	Randi	3	1	N	0	0	CT	1	0	0	0	0	0
11/3	Randi	3	18	N	2	5	CT	0	0	0	0	0	0
11/3	Randi	3	4	I	2	0	CT	1	0	0	0	0	0
11/3	Randi	3	23	N	1	20	CT	0	0	0	0	0	0
11/3	Randi	3	16	N	0	5	CT	0	0	0	0	1	0
11/3	Randi	3	5	I	0	5	CT	1	0	0	0	0	0
11/3	Randi	3	9	I	1	10	CT	0	0	0	0	0	0
11/3	Randi	3	3	I	1	0	CT	0	0	0	0	0	0
11/3	Randi	3	10	I	2	10	CT	1	0	0	0	0	0
11/3	Randi	3	14	N	1	0	CT	0	0	0	0	0	0
11/3	Randi	3	13	I	2	20	CT	0	0	0	0	1	0
11/3	Randi	3	7	I	2	5	CT	1	0	0	0	0	0
11/3	Randi	3	15	N	2	0	CT	0	0	0	0	1	0
11/3	Randi	3	17	N	1	5	CT	0	0	0	0	0	0
11/3	Randi	3	6	I	1	5	CT	1	0	0	0	0	0
11/3	Randi	3	24	N	2	20	CT	0	0	0	0	0	0
11/3	Randi	3	20	N	1	10	CT	0	0	0	0	1	0

11/3	Randi	3	8	I	0	10	CT	.	.	.	.	.	.
11/4	Teresa	3	24	N	2	20	BF	0	0	0	0	0	0
11/4	Teresa	3	14	N	1	0	BF	1	0	0	0	0	0
11/4	Teresa	3	20	N	1	10	BF	0	0	0	0	0	0
11/4	Teresa	3	6	I	1	5	BF	0	0	0	0	0	0
11/4	Teresa	3	17	N	1	5	BF	0	0	0	0	0	0
11/4	Teresa	3	15	N	2	0	BF	0	0	0	0	0	0
11/4	Teresa	3	14	N	1	0	BF	0	0	0	0	0	0
11/4	Teresa	3	12	I	1	20	BF	1	0	0	0	0	0
11/4	Teresa	3	11	I	0	20	BF	1	0	0	0	0	0
11/4	Teresa	3	18	N	2	5	BF	0	0	0	0	0	0
11/4	Teresa	3	3	I	1	0	BF	1	0	0	0	0	0
11/4	Teresa	3	4	I	2	0	BF	1	0	0	0	0	0
11/4	Teresa	3	5	I	0	5	BF	1	0	0	0	0	0
11/4	Teresa	3	19	N	0	10	BF	0	0	0	0	0	0
11/4	Teresa	3	8	I	0	10	BF	0	0	0	0	0	0
11/4	Teresa	3	2	I	0	0	BF	1	0	1	0	0	0
11/4	Teresa	3	16	N	0	5	BF	0	0	0	0	0	0
11/4	Teresa	3	22	N	0	20	BF	0	0	0	0	0	0
11/4	Teresa	3	1	N	0	0	BF	0	0	0	0	0	0
11/4	Teresa	3	23	N	1	20	BF	0	0	0	0	0	0
11/4	Teresa	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Teresa	3	10	I	2	10	BF	0	0	0	0	0	0
11/4	Teresa	3	9	I	1	10	BF	0	0	0	0	0	0
11/4	Teresa	3	21	N	2	10	BF	0	0	0	0	0	0
11/4	Andy	3	24	N	2	20	BF	0	0	0	0	1	0
11/4	Andy	3	14	N	1	0	BF	3	0	2	0	3	1
11/4	Andy	3	20	N	1	10	BF	0	0	0	0	0	0
11/4	Andy	3	6	I	1	5	BF	2	1	1	0	1	1
11/4	Andy	3	17	N	1	5	BF	0	0	0	2	0	0
11/4	Andy	3	15	N	2	0	BF	0	0	0	0	0	0
11/4	Andy	3	14	N	1	0	BF	0	0	0	0	0	0
11/4	Andy	3	12	I	1	20	BF	4	2	1	0	0	0
11/4	Andy	3	11	I	0	20	BF	4	0	0	2	3	1
11/4	Andy	3	18	N	2	5	BF	0	0	0	0	0	0
11/4	Andy	3	3	I	1	0	BF	2	0	0	0	2	0
11/4	Andy	3	4	I	2	0	BF	3	0	0	0	1	2
11/4	Andy	3	5	I	0	5	BF	2	0	0	0	0	0
11/4	Andy	3	19	N	0	10	BF	0	0	0	0	0	0
11/4	Andy	3	8	I	0	10	BF	3	1	1	1	2	1
11/4	Andy	3	2	I	0	0	BF	4	1	2	1	2	0
11/4	Andy	3	16	N	0	5	BF	0	0	0	0	0	0
11/4	Andy	3	22	N	0	20	BF	0	0	0	0	0	0

11/4	Andy	3	1	N	0	0	BF	0	0	0	0	0	0
11/4	Andy	3	23	N	1	20	BF	0	0	0	0	0	0
11/4	Andy	3	3	I	1	0	BF	3	2	1	0	3	1
11/4	Andy	3	10	I	2	10	BF	3	2	0	0	0	0
11/4	Andy	3	9	I	1	10	BF	0	0	0	0	0	0
11/4	Andy	3	21	N	2	10	BF	0	0	0	0	0	0
11/4	Randi	3	24	N	2	20	BF	0	0	0	0	2	0
11/4	Randi	3	14	N	1	0	BF	2	0	0	0	0	0
11/4	Randi	3	20	N	1	10	BF	0	0	0	0	1	0
11/4	Randi	3	6	I	1	5	BF	1	0	0	0	1	0
11/4	Randi	3	17	N	1	5	BF	0	0	0	0	2	0
11/4	Randi	3	15	N	2	0	BF	0	0	0	0	1	0
11/4	Randi	3	14	N	1	0	BF	0	0	0	0	1	0
11/4	Randi	3	12	I	1	20	BF	2	0	0	0	1	0
11/4	Randi	3	11	I	0	20	BF	1	0	0	0	1	0
11/4	Randi	3	18	N	2	5	BF	0	0	0	0	2	0
11/4	Randi	3	3	I	1	0	BF	2	0	0	0	1	0
11/4	Randi	3	4	I	2	0	BF	0	0	0	0	1	0
11/4	Randi	3	5	I	0	5	BF	1	0	0	0	1	0
11/4	Randi	3	19	N	0	10	BF	0	0	0	0	2	0
11/4	Randi	3	8	I	0	10	BF	1	0	0	0	0	0
11/4	Randi	3	2	I	0	0	BF	0	0	0	0	1	0
11/4	Randi	3	16	N	0	5	BF	0	0	0	0	1	0
11/4	Randi	3	22	N	0	20	BF	0	0	0	0	1	0
11/4	Randi	3	1	N	0	0	BF	0	0	0	0	1	0
11/4	Randi	3	23	N	1	20	BF	0	0	0	0	1	0
11/4	Randi	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Randi	3	10	I	2	10	BF	1	0	0	0	0	0
11/4	Randi	3	9	I	1	10	BF	1	0	0	0	0	0
11/4	Randi	3	21	N	2	10	BF	0	0	0	0	1	0
11/4	Jason	3	24	N	2	20	BF	1	0	0	0	1	0
11/4	Jason	3	14	N	1	0	BF	2	0	1	0	0	0
11/4	Jason	3	20	N	1	10	BF	1	0	0	0	0	1
11/4	Jason	3	6	I	1	5	BF	1	0	1	0	0	1
11/4	Jason	3	17	N	1	5	BF	1	0	0	2	0	1
11/4	Jason	3	15	N	2	0	BF	1	2	2	0	0	4
11/4	Jason	3	14	N	1	0	BF	2	0	0	2	0	0
11/4	Jason	3	12	I	1	20	BF	2	0	0	0	0	0
11/4	Jason	3	11	I	0	20	BF	3	0	0	3	3	2
11/4	Jason	3	18	N	2	5	BF	2	0	0	0	0	0
11/4	Jason	3	3	I	1	0	BF	1	0	0	0	0	0
11/4	Jason	3	4	I	2	0	BF	0	0	1	0	1	1
11/4	Jason	3	5	I	0	5	BF	1	0	0	0	0	2

11/4	Jason	3	19	N	0	10	BF	0	0	0	0	2	0
11/4	Jason	3	8	I	0	10	BF	2	0	0	1	0	0
11/4	Jason	3	2	I	0	0	BF	0	0	0	0	3	0
11/4	Jason	3	16	N	0	5	BF	1	0	1	0	4	1
11/4	Jason	3	22	N	0	20	BF	2	0	1	0	0	2
11/4	Jason	3	1	N	0	0	BF	1	0	0	1	0	0
11/4	Jason	3	23	N	1	20	BF	1	0	1	1	0	1
11/4	Jason	3	10	N	2	10	BF	1	0	0	0	0	0
11/4	Jason	3	9	N	1	10	BF	2	0	0	2	2	1
11/4	Jason	3	21	N	2	10	BF	1	0	1	0	1	1
11/4	Jason	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Tracey	3	24	N	2	20	BF	0	0	0	0	1	0
11/4	Tracey	3	14	N	1	0	BF	2	1	1	0	0	1
11/4	Tracey	3	20	N	1	10	BF	1	0	0	0	1	0
11/4	Tracey	3	6	I	1	5	BF	0	0	0	0	1	0
11/4	Tracey	3	17	N	1	5	BF	0	0	0	0	2	0
11/4	Tracey	3	15	N	2	0	BF	0	0	0	0	2	0
11/4	Tracey	3	14	N	1	0	BF	0	0	0	0	1	0
11/4	Tracey	3	12	I	1	20	BF	2	0	1	0	0	0
11/4	Tracey	3	11	I	0	20	BF	1	0	1	0	1	0
11/4	Tracey	3	18	N	2	5	BF	0	0	0	0	2	0
11/4	Tracey	3	3	I	1	0	BF	2	0	0	0	0	0
11/4	Tracey	3	4	I	2	0	BF	2	0	1	0	1	1
11/4	Tracey	3	5	I	0	5	BF	2	0	0	0	0	0
11/4	Tracey	3	19	N	0	10	BF	0	0	0	0	1	0
11/4	Tracey	3	8	I	0	10	BF	2	1	1	0	0	1
11/4	Tracey	3	2	I	0	0	BF	0	0	1	0	0	0
11/4	Tracey	3	16	N	0	5	BF	0	0	0	0	2	0
11/4	Tracey	3	22	N	0	20	BF	1	0	0	0	1	0
11/4	Tracey	3	1	N	0	0	BF	0	0	0	0	1	0
11/4	Tracey	3	23	N	1	20	BF	0	0	0	0	1	0
11/4	Tracey	3	7	I	2	5	BF	.	.	.	.	.	.
11/4	Tracey	3	10	I	2	10	BF	2	1	1	0	0	1
11/4	Tracey	3	9	I	1	10	BF	2	1	1	0	0	1
11/4	Tracey	3	21	N	2	10	BF	0	0	0	0	2	0
12/4	Tracey	1	1	N	0	0	SL	1	0	1	0	1	0
12/4	Tracey	1	2	I	0	0	SL	3	1	0	0	0	0
12/4	Tracey	1	3	I	1	0	SL	2	0	1	0	1	0
12/4	Tracey	1	4	I	2	0	SL	2	0	0	0	1	0
12/4	Tracey	1	21	N	2	10	SL	0	0	0	0	1	0
12/4	Tracey	1	14	N	1	0	SL	0	0	0	0	1	0
12/4	Tracey	1	9	I	1	10	SL	3	1	1	0	0	0
12/4	Tracey	1	11	I	0	20	SL	0	0	0	0	1	0

12/4	Tracey	1	23	N	1	20	SL	1	0	0	0	1	0
12/4	Tracey	1	5	I	0	5	SL	3	0	0	0	0	0
12/4	Tracey	1	15	N	2	0	SL	0	0	0	0	2	0
12/4	Tracey	1	24	N	2	20	SL	0	0	0	0	1	0
12/4	Tracey	1	6	I	1	5	SL	2	1	0	0	0	0
12/4	Tracey	1	17	N	1	5	SL	0	0	0	0	1	0
12/4	Tracey	1	7	I	2	5	SL	2	1	0	0	0	0
12/4	Tracey	1	22	N	0	20	SL	1	0	0	0	1	0
12/4	Tracey	1	16	N	0	5	SL	.	.	.	.	.	.
12/4	Tracey	1	19	N	0	10	SL	.	.	.	.	.	.
12/4	Tracey	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Tracey	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Tracey	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Tracey	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Tracey	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Tracey	1	20	N	1	10	SL	.	.	.	.	.	.
12/4	Teresa	1	1	N	0	0	SL	0	0	0	0	0	0
12/4	Teresa	1	2	I	0	0	SL	2	0	0	0	0	0
12/4	Teresa	1	3	I	1	0	SL	3	0	0	0	0	0
12/4	Teresa	1	4	I	2	0	SL	2	0	0	0	0	0
12/4	Teresa	1	21	N	2	10	SL	1	0	0	0	0	0
12/4	Teresa	1	14	N	1	0	SL	0	0	0	0	0	0
12/4	Teresa	1	9	I	1	10	SL	2	0	0	0	0	0
12/4	Teresa	1	11	I	0	20	SL	1	0	0	0	0	0
12/4	Teresa	1	23	N	1	20	SL	0	0	0	0	0	0
12/4	Teresa	1	5	I	0	5	SL	3	0	0	0	0	0
12/4	Teresa	1	15	N	2	0	SL	1	0	0	0	0	0
12/4	Teresa	1	24	N	2	20	SL	0	0	0	0	0	0
12/4	Teresa	1	6	I	1	5	SL	1	0	0	0	0	0
12/4	Teresa	1	17	N	1	5	SL	1	0	0	0	0	0
12/4	Teresa	1	7	I	2	5	SL	1	0	0	0	0	0
12/4	Teresa	1	22	N	0	20	SL	0	0	0	0	0	0
12/4	Teresa	1	16	N	0	5	SL	0	0	0	0	0	0
12/4	Teresa	1	19	N	0	10	SL	0	0	0	0	0	0
12/4	Teresa	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Teresa	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Teresa	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Teresa	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Teresa	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Teresa	1	20	N	1	10	SL	.	.	.	.	.	.
12/4	Randi	1	1	N	0	0	SL	0	0	0	0	1	0
12/4	Randi	1	2	I	0	0	SL	1	0	0	0	0	0
12/4	Randi	1	3	I	1	0	SL	0	0	0	0	0	0

12/4	Randi	1	4	I	2	0	SL	2	0	0	0	0	0
12/4	Randi	1	21	N	2	10	SL	0	0	0	0	1	0
12/4	Randi	1	14	N	1	0	SL	0	0	0	0	1	0
12/4	Randi	1	9	I	1	10	SL	1	0	0	0	0	0
12/4	Randi	1	11	I	0	20	SL	0	0	0	0	0	0
12/4	Randi	1	23	N	1	20	SL	0	0	0	0	1	0
12/4	Randi	1	5	I	0	5	SL	2	0	0	0	0	0
12/4	Randi	1	15	N	2	0	SL	0	0	0	0	1	0
12/4	Randi	1	24	N	2	20	SL	0	0	0	0	1	0
12/4	Randi	1	6	I	1	5	SL	2	0	0	0	0	0
12/4	Randi	1	17	N	1	5	SL	0	0	0	0	0	0
12/4	Randi	1	7	I	2	5	SL	1	0	0	0	0	0
12/4	Randi	1	22	N	0	20	SL	0	0	0	0	0	0
12/4	Randi	1	16	N	0	5	SL	0	0	0	0	0	0
12/4	Randi	1	19	N	0	10	SL	1	0	0	0	1	0
12/4	Randi	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Randi	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Randi	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Randi	1	13	I	2	20	SL	.	.	.	.	.	.
12/4	Randi	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Randi	1	20	N	1	10	SL	.	.	.	.	.	.
12/4	Liz	1	1	N	0	0	SL	0	0	0	0	1	0
12/4	Liz	1	2	I	0	0	SL	2	2	0	0	0	0
12/4	Liz	1	3	I	1	0	SL	1	1	0	0	0	0
12/4	Liz	1	4	I	2	0	SL	2	1	0	1	0	0
12/4	Liz	1	21	N	2	10	SL	0	0	0	0	1	0
12/4	Liz	1	14	N	1	0	SL	0	0	0	0	0	0
12/4	Liz	1	9	I	1	10	SL	1	1	0	0	0	1
12/4	Liz	1	11	I	0	20	SL	1	0	0	0	0	0
12/4	Liz	1	23	N	1	20	SL	0	0	0	0	0	0
12/4	Liz	1	5	I	0	5	SL	1	1	0	0	0	0
12/4	Liz	1	15	N	2	0	SL	0	0	0	0	0	0
12/4	Liz	1	24	N	2	20	SL	0	0	0	0	0	0
12/4	Liz	1	6	I	1	5	SL	2	0	0	0	0	0
12/4	Liz	1	17	N	1	5	SL	0	0	0	0	0	0
12/4	Liz	1	7	I	2	5	SL	1	1	0	0	0	0
12/4	Liz	1	22	N	0	20	SL	0	0	0	0	0	0
12/4	Liz	1	16	N	0	5	SL	0	0	0	0	1	0
12/4	Liz	1	19	N	0	10	SL	1	0	0	0	1	0
12/4	Liz	1	8	I	0	10	SL	.	.	.	.	.	.
12/4	Liz	1	10	I	2	10	SL	.	.	.	.	.	.
12/4	Liz	1	12	I	1	20	SL	.	.	.	.	.	.
12/4	Liz	1	13	I	2	20	SL	.	.	.	.	.	.

12/4	Liz	1	18	N	2	5	SL	.	.	.	.	.	.
12/4	Liz	1	20	N	1	10	SL	.	.	.	.	.	.
12/5	Liz	1	21	N	2	10	TB	0	0	0	0	0	0
12/5	Liz	1	1	N	0	0	TB	0	0	0	0	1	0
12/5	Liz	1	19	N	0	10	TB	0	0	1	0	0	0
12/5	Liz	1	10	I	2	10	TB	0	0	1	0	0	0
12/5	Liz	1	14	N	1	0	TB	0	0	0	0	1	0
12/5	Liz	1	12	I	1	20	TB	1	1	0	0	0	0
12/5	Liz	1	9	I	1	10	TB	0	0	1	0	0	0
12/5	Liz	1	15	N	2	0	TB	0	0	0	0	0	0
12/5	Liz	1	13	I	2	20	TB	1	0	0	0	0	0
12/5	Liz	1	11	I	0	20	TB	1	0	0	0	0	0
12/5	Liz	1	3	I	1	0	TB	0	0	0	0	1	0
12/5	Liz	1	17	N	1	5	TB	0	0	0	0	1	0
12/5	Liz	1	6	I	1	5	TB	1	1	0	0	0	0
12/5	Liz	1	4	I	2	0	TB	0	0	0	0	0	0
12/5	Liz	1	5	I	0	5	TB	1	0	0	0	0	0
12/5	Liz	1	22	N	0	20	TB	0	0	0	0	1	0
12/5	Liz	1	24	N	2	20	TB	0	0	1	0	1	0
12/5	Liz	1	7	I	2	5	TB	1	1	0	0	0	0
12/5	Liz	1	20	N	1	10	TB	0	0	0	0	0	0
12/5	Liz	1	18	N	2	5	TB	0		0	0	1	0
12/5	Liz	1	16	N	0	5	TB	0	0	0	0	1	0
12/5	Liz	1	2	I	0	0	TB	0	1	1	0	0	0
12/5	Liz	1	23	N	1	20	TB	0	0	0	0	0	0
12/5	Liz	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Randi	1	21	N	2	10	TB	0	0	0	0	0	0
12/5	Randi	1	1	N	0	0	TB	0	0	0	0	0	1
12/5	Randi	1	19	N	0	10	TB	0	0	0	0	1	0
12/5	Randi	1	10	I	2	10	TB	0	0	0	0	0	0
12/5	Randi	1	14	N	1	0	TB	0	0	0	0	0	0
12/5	Randi	1	12	I	1	20	TB	1	0	0	0	0	0
12/5	Randi	1	9	I	1	10	TB	1	0	0	0	0	0
12/5	Randi	1	15	N	2	0	TB	0	0	0	0	1	0
12/5	Randi	1	13	I	2	20	TB	1	0	0	0	1	1
12/5	Randi	1	11	I	0	20	TB	0	0	0	0	0	0
12/5	Randi	1	3	I	1	0	TB	0	0	0	0	1	0
12/5	Randi	1	17	N	1	5	TB	0	0	0	0	2	0
12/5	Randi	1	6	I	1	5	TB	0	0	0	0	0	0
12/5	Randi	1	4	I	2	0	TB	1	0	0	0	0	0
12/5	Randi	1	5	I	0	5	TB	0	0	0	0	0	0
12/5	Randi	1	22	N	0	20	TB	0	0	0	0	1	0
12/5	Randi	1	24	N	2	20	TB	0	0	0	0	2	0

12/5	Randi	1	7	I	2	5	TB	1	0	0	0	0	0
12/5	Randi	1	20	N	1	10	TB	0	0	0	0	0	0
12/5	Randi	1	18	N	2	5	TB	0	0	0	0	0	0
12/5	Randi	1	16	N	0	5	TB	0	0	0	0	1	0
12/5	Randi	1	2	I	0	0	TB	1	0	0	0	0	0
12/5	Randi	1	23	N	1	20	TB	0	0	0	0	0	0
12/5	Randi	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Jason	1	21	N	2	10	TB	0	0	2	0	0	2
12/5	Jason	1	1	N	0	0	TB	0	0	0	0	3	0
12/5	Jason	1	19	N	0	10	TB	0	0	3	0	3	2
12/5	Jason	1	10	I	2	10	TB	1	0	0	0	0	0
12/5	Jason	1	14	N	1	0	TB	0	0	0	0	2	1
12/5	Jason	1	12	I	1	20	TB	2	0	2	0	1	0
12/5	Jason	1	9	I	1	10	TB	1	0	0	0	1	0
12/5	Jason	1	15	N	2	0	TB	0	0	3	0	2	3
12/5	Jason	1	13	I	2	20	TB	1	0	2	0	0	1
12/5	Jason	1	11	I	0	20	TB	1	0	0	0	2	0
12/5	Jason	1	3	I	1	0	TB	0	0	1	1	1	0
12/5	Jason	1	17	N	1	5	TB	0	0	0	0	3	2
12/5	Jason	1	6	I	1	5	TB	0	0	2	2	2	0
12/5	Jason	1	4	I	2	0	TB	1	0	0	0	0	0
12/5	Jason	1	5	I	0	5	TB	1	0	0	1	0	0
12/5	Jason	1	22	N	0	20	TB	0	0	0	0	1	0
12/5	Jason	1	24	N	2	20	TB	0	0	2	0	0	0
12/5	Jason	1	7	I	2	5	TB	1	0	0	0	3	0
12/5	Jason	1	20	N	1	10	TB	0	0	0	0	2	0
12/5	Jason	1	18	N	2	5	TB	0	0	1	0	2	1
12/5	Jason	1	16	N	0	5	TB	0	0	1	0	0	0
12/5	Jason	1	2	I	0	0	TB	1	0	2	0	0	0
12/5	Jason	1	23	N	1	20	TB	0	0	0	0	3	0
12/5	Jason	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Teresa	1	21	N	2	10	TB	0	0	0	0	0	0
12/5	Teresa	1	1	N	0	0	TB	0	0	0	0	1	2
12/5	Teresa	1	19	N	0	10	TB	0	0	0	0	2	3
12/5	Teresa	1	10	I	2	10	TB	1	0	0	0	0	0
12/5	Teresa	1	14	N	1	0	TB	1	0	0	0	0	0
12/5	Teresa	1	12	I	1	20	TB	3	0	0	0	0	0
12/5	Teresa	1	9	I	1	10	TB	0	0	0	0	0	0
12/5	Teresa	1	15	N	2	0	TB	0	0	0	0	2	3
12/5	Teresa	1	13	I	2	20	TB	3	0	0	0	0	0
12/5	Teresa	1	11	I	0	20	TB	1	0	0	0	0	0
12/5	Teresa	1	3	I	1	0	TB	1	0	0	0	0	0
12/5	Teresa	1	17	N	1	5	TB	0	0	0	0	0	0

12/5	Teresa	1	6	I	1	5	TB	0	0	0	0	2	3
12/5	Teresa	1	4	I	2	0	TB	0	0	0	0	2	3
12/5	Teresa	1	5	I	0	5	TB	1	0	0	0	0	0
12/5	Teresa	1	22	N	0	20	TB	2	0	0	0	3	4
12/5	Teresa	1	24	N	2	20	TB	0	0	0	0	0	0
12/5	Teresa	1	7	I	2	5	TB	1	0	0	0	0	5
12/5	Teresa	1	20	N	1	10	TB	0	0	0	0	0	0
12/5	Teresa	1	18	N	2	5	TB	0	0	0	0	2	0
12/5	Teresa	1	16	N	0	5	TB	1	0	0	0	0	0
12/5	Teresa	1	2	I	0	0	TB	2	0	0	0	0	0
12/5	Teresa	1	23	N	1	20	TB	0	0	0	0	0	0
12/5	Teresa	1	8	I	0	10	TB	.	.	.	.	.	.
12/5	Tracey	1	21	N	2	10	TB	0	0	0	0	0	0
12/5	Tracey	1	1	N	0	0	TB	0	0	0	0	0	0
12/5	Tracey	1	19	N	0	10	TB	0	0	0	0	0	0
12/5	Tracey	1	10	I	2	10	TB	1	0	0	0	0	0
12/5	Tracey	1	14	N	1	0	TB	0	0	0	0	2	0
12/5	Tracey	1	12	I	1	20	TB	3	1	0	1	0	1
12/5	Tracey	1	9	I	1	10	TB	1	0	0	0	0	0
12/5	Tracey	1	15	N	2	0	TB	1	0	0	0	1	0
12/5	Tracey	1	13	I	2	20	TB	2	1	1	0	0	1
12/5	Tracey	1	11	I	0	20	TB	1	0	0	0	1	0
12/5	Tracey	1	3	I	1	0	TB	1	0	0	0	0	0
12/5	Tracey	1	17	N	1	5	TB	0	0	0	0	1	0
12/5	Tracey	1	6	I	1	5	TB	3	1	1	0	0	0
12/5	Tracey	1	4	I	2	0	TB	1	0	0	0	1	0
12/5	Tracey	1	5	I	0	5	TB	0	0	0	0	0	0
12/5	Tracey	1	22	N	0	20	TB	0	0	0	0	0	0
12/5	Tracey	1	24	N	2	20	TB	0	0	0	0	1	0
12/5	Tracey	1	7	I	2	5	TB	2	0	0	0	0	2
12/5	Tracey	1	20	N	1	10	TB	0	0	0	0	1	0
12/5	Tracey	1	18	N	2	5	TB	1	0	0	0	0	0
12/5	Tracey	1	16	N	0	5	TB	2	0	0	0	0	0
12/5	Tracey	1	2	I	0	0	TB	2	0	0	0	1	0
12/5	Tracey	1	23	N	1	20	TB	0	0	0	0	1	0
12/5	Tracey	1	8	I	0	10	TB	.	.	.	.	.	.
12/6	Randi	2	1	N	0	0	SL	0	0	0	0	2	0
12/6	Randi	2	18	N	2	5	SL	0	0	0	0	1	0
12/6	Randi	2	11	I	0	20	SL	1	0	0	0	0	0
12/6	Randi	2	6	I	1	5	SL	2	0	0	0	0	0
12/6	Randi	2	8	I	0	10	SL	2	0	0	0	0	0
12/6	Randi	2	14	N	1	0	SL	0	0	0	0	1	0
12/6	Randi	2	21	N	2	10	SL	0	0	0	0	0	0

12/6	Randi	2	7	I	2	5	SL	0	0	0	0	1	0
12/6	Randi	2	15	N	2	0	SL	0	0	0	0	0	0
12/6	Randi	2	16	N	0	5	SL	0	0	0	0	0	0
12/6	Randi	2	5	I	0	5	SL	2	0	0	0	0	0
12/6	Randi	2	24	N	2	20	SL	0	0	0	0	1	0
12/6	Randi	2	10	I	2	10	SL	2	0	0	0	0	0
12/6	Randi	2	17	N	1	5	SL	0	0	0	0	1	0
12/6	Randi	2	13	I	2	20	SL	1	0	0	0	0	0
12/6	Randi	2	12	I	1	20	SL	1	0	0	0	0	0
12/6	Randi	2	4	I	2	0	SL	0	0	0	0	0	0
12/6	Randi	2	22	N	0	20	SL	0	0	0	0	1	0
12/6	Randi	2	19	N	0	10	SL	0	0	0	0	1	0
12/6	Randi	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Randi	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Randi	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Randi	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Randi	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Liz	2	1	N	0	0	SL	0	0	0	0	1	0
12/6	Liz	2	18	N	2	5	SL	0	0	0	0	1	0
12/6	Liz	2	11	I	0	20	SL	0	1	0	0	0	0
12/6	Liz	2	6	I	1	5	SL	1	1	0	0	0	0
12/6	Liz	2	8	I	0	10	SL	1	1	0	0	0	1
12/6	Liz	2	14	N	1	0	SL	0	0	0	0	1	0
12/6	Liz	2	21	N	2	10	SL	0	0	0	0	0	0
12/6	Liz	2	7	I	2	5	SL	1	1	0	0	0	0
12/6	Liz	2	15	N	2	0	SL	0	0	0	0	1	0
12/6	Liz	2	16	N	0	5	SL	0	0	0	0	0	0
12/6	Liz	2	5	I	0	5	SL	2	1	0	0	0	1
12/6	Liz	2	24	N	2	20	SL	0	0	0	0	1	0
12/6	Liz	2	10	I	2	10	SL	1	1	0	0	0	1
12/6	Liz	2	17	N	1	5	SL	0	0	0	0	0	0
12/6	Liz	2	13	I	2	20	SL	1	0	0	0	0	0
12/6	Liz	2	12	I	1	20	SL	1	0	0	0	0	0
12/6	Liz	2	4	I	2	0	SL	0	1	0	0	0	1
12/6	Liz	2	22	N	0	20	SL	0	0	0	0	0	0
12/6	Liz	2	19	N	0	10	SL	0	0	0	0	0	0
12/6	Liz	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Liz	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Liz	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Liz	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Liz	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Teresa	2	1	N	0	0	SL	1	0	0	0	0	0
12/6	Teresa	2	18	N	2	5	SL	0	0	0	0	2	0

12/6	Teresa	2	11	I	0	20	SL	3	0	0	0	0	0
12/6	Teresa	2	6	I	1	5	SL	0	0	0	0	0	0
12/6	Teresa	2	8	I	0	10	SL	4	0	0	0	0	0
12/6	Teresa	2	14	N	1	0	SL	1	0	0	0	0	0
12/6	Teresa	2	21	N	2	10	SL	0	0	0	0	0	0
12/6	Teresa	2	7	I	2	5	SL	3	0	0	0	3	0
12/6	Teresa	2	15	N	2	0	SL	0	0	0	0	0	0
12/6	Teresa	2	16	N	0	5	SL	1	0	0	0	0	0
12/6	Teresa	2	5	I	0	5	SL	3	0	0	0	0	0
12/6	Teresa	2	24	N	2	20	SL	0	0	0	0	0	0
12/6	Teresa	2	10	I	2	10	SL	2	0	0	0	2	0
12/6	Teresa	2	17	N	1	5	SL	0	0	0	0	0	0
12/6	Teresa	2	13	I	2	20	SL	0	0	0	0	3	0
12/6	Teresa	2	12	I	1	20	SL	3	0	0	0	0	0
12/6	Teresa	2	4	I	2	0	SL	3	0	0	0	0	0
12/6	Teresa	2	22	N	0	20	SL	0	0	0	0	0	0
12/6	Teresa	2	19	N	0	10	SL	0	0	0	0	0	0
12/6	Teresa	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Teresa	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Teresa	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Teresa	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Teresa	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Jason	2	1	N	0	0	SL	0	0	0	0	1	0
12/6	Jason	2	18	N	2	5	SL	1	0	0	0	0	0
12/6	Jason	2	11	I	0	20	SL	1	0	2	0	0	1
12/6	Jason	2	6	I	1	5	SL	1	0	1	0	0	2
12/6	Jason	2	8	I	0	10	SL	2	0	2	0	0	2
12/6	Jason	2	14	N	1	0	SL	1	0	1	0	2	1
12/6	Jason	2	21	N	2	10	SL	0	0	0	1	2	0
12/6	Jason	2	7	I	2	5	SL	4	0	0	0	0	2
12/6	Jason	2	15	N	2	0	SL	1	0	0	0	1	0
12/6	Jason	2	16	N	0	5	SL	1	0	0	0	0	0
12/6	Jason	2	5	I	0	5	SL	4	0	1	0	0	2
12/6	Jason	2	24	N	2	20	SL	0	0	2	0	1	0
12/6	Jason	2	10	I	2	10	SL	4	0	0	0	0	1
12/6	Jason	2	17	N	1	5	SL	1	0	0	0	1	0
12/6	Jason	2	13	I	2	20	SL	3	0	2	0	0	3
12/6	Jason	2	12	I	1	20	SL	2	0	0	0	0	0
12/6	Jason	2	4	I	2	0	SL	3	0	0	0	1	1
12/6	Jason	2	22	N	0	20	SL	2	0	1	0	1	1
12/6	Jason	2	19	N	0	10	SL	0	0	0	0	2	0
12/6	Jason	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Jason	2	3	I	1	0	SL	.	.	.	.	.	.

12/6	Jason	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Jason	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Jason	2	23	N	1	20	SL	.	.	.	.	.	.
12/6	Tracey	2	1	N	0	0	SL	0	0	1	0	1	0
12/6	Tracey	2	18	N	2	5	SL	0	0	0	0	1	0
12/6	Tracey	2	11	I	0	20	SL	3	1	0	0	0	1
12/6	Tracey	2	6	I	1	5	SL	3	0	0	0	1	1
12/6	Tracey	2	8	I	0	10	SL	3	0	0	0	0	1
12/6	Tracey	2	14	N	1	0	SL	0	0	0	0	2	0
12/6	Tracey	2	21	N	2	10	SL	0	0	0	0	1	0
12/6	Tracey	2	7	I	2	5	SL	3	1	0	0	0	1
12/6	Tracey	2	15	N	2	0	SL	0	0	0	0	1	0
12/6	Tracey	2	16	N	0	5	SL	0	0	0	0	2	0
12/6	Tracey	2	5	I	0	5	SL	3	1	0	0	0	1
12/6	Tracey	2	24	N	2	20	SL	1	0	0	0	2	0
12/6	Tracey	2	10	I	2	10	SL	3	1	0	0	0	1
12/6	Tracey	2	17	N	1	5	SL	0	0	0	0	2	0
12/6	Tracey	2	13	I	2	20	SL	2	1	0	0	0	1
12/6	Tracey	2	12	I	1	20	SL	2	1	0	1	0	1
12/6	Tracey	2	4	I	2	0	SL	2	0	0	0	0	0
12/6	Tracey	2	22	N	0	20	SL	0	0	0	1	1	0
12/6	Tracey	2	19	N	0	10	SL	0	0	0	0	2	0
12/6	Tracey	2	2	I	0	0	SL	.	.	.	.	.	.
12/6	Tracey	2	3	I	1	0	SL	.	.	.	.	.	.
12/6	Tracey	2	9	I	1	10	SL	.	.	.	.	.	.
12/6	Tracey	2	20	N	1	10	SL	.	.	.	.	.	.
12/6	Tracey	2	23	N	1	20	SL	.	.	.	.	.	.
12/7	Liz	2	22	N	0	20	TB	0	0	0	0	0	0
12/7	Liz	2	5	I	0	5	TB	1	0	0	0	0	0
12/7	Liz	2	14	N	1	0	TB	0	0	0	0	0	0
12/7	Liz	2	2	I	0	0	TB	0	0	0	0	1	0
12/7	Liz	2	16	N	0	5	TB	0	0	0	0	1	0
12/7	Liz	2	11	I	0	20	TB	0	0	0	0	2	0
12/7	Liz	2	8	I	0	10	TB	1	0	0	0	0	0
12/7	Liz	2	6	I	1	5	TB	1	0	0	0	0	0
12/7	Liz	2	20	N	1	10	TB	0	0	0	0	2	0
12/7	Liz	2	15	N	2	0	TB	0	0	0	0	1	0
12/7	Liz	2	10	I	2	10	TB	1	0	0	0	0	0
12/7	Liz	2	21	N	2	10	TB	0	0	0	0	0	0
12/7	Liz	2	24	N	2	20	TB	0	0	0	0	1	0
12/7	Liz	2	9	I	1	10	TB	1	0	0	0	0	0
12/7	Liz	2	13	I	2	20	TB	1	0	0	0	0	0
12/7	Liz	2	12	I	1	20	TB	0	0	0	0	1	0

12/7	Liz	2	17	N	1	5	TB	0	0	0	0	1	0
12/7	Liz	2	4	I	2	0	TB	0	0	0	0	1	0
12/7	Liz	2	1	N	0	0	TB	0	0	0	0	1	0
12/7	Liz	2	19	N	0	10	TB	0	0	1	0	0	0
12/7	Liz	2	23	N	1	20	TB	0	0	1	0	0	0
12/7	Liz	2	7	I	2	5	TB	1	0	1	0	0	0
12/7	Liz	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Liz	2	18	N	2	5	TB	.	.	.	.	.	.
12/7	Jason	2	22	N	0	20	TB	1	0	2	0	0	2
12/7	Jason	2	5	I	0	5	TB	1	0	0	0	3	0
12/7	Jason	2	14	N	1	0	TB	1	0	0	0	0	2
12/7	Jason	2	2	I	0	0	TB	1	0	0	0	0	0
12/7	Jason	2	16	N	0	5	TB	0	0	0	0	1	0
12/7	Jason	2	11	I	0	20	TB	2	0	0	0	1	0
12/7	Jason	2	8	I	0	10	TB	1	0	2	0	0	2
12/7	Jason	2	6	I	1	5	TB	1	0	1	0	1	1
12/7	Jason	2	20	N	1	10	TB	0	0	0	0	3	0
12/7	Jason	2	15	N	2	0	TB	1	0	0	0	0	0
12/7	Jason	2	10	I	2	10	TB	0	0	2	0	0	1
12/7	Jason	2	21	N	2	10	TB	1	0	0	0	0	0
12/7	Jason	2	24	N	2	20	TB	0	0	0	0	3	0
12/7	Jason	2	9	I	1	10	TB	2	0	0	0	0	0
12/7	Jason	2	13	I	2	20	TB	1	0	0	0	2	0
12/7	Jason	2	12	I	1	20	TB	0	0	0	0	0	0
12/7	Jason	2	17	N	1	5	TB	0	0	0	0	3	0
12/7	Jason	2	4	I	2	0	TB	0	0	2	0	2	2
12/7	Jason	2	1	N	0	0	TB	1	0	3	0	0	3
12/7	Jason	2	19	N	0	10	TB	2	0	2	0	0	2
12/7	Jason	2	23	N	1	20	TB	1	0	2	0	0	2
12/7	Jason	2	7	I	2	5	TB	2	0	0	1	0	0
12/7	Jason	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Jason	2	18	N	2	5	TB	.	.	.	.	.	.
12/7	Teresa	2	22	N	0	20	TB	0	0	0	0	0	0
12/7	Teresa	2	5	I	0	5	TB	1	0	0	0	0	0
12/7	Teresa	2	14	N	1	0	TB	0	0	0	0	0	0
12/7	Teresa	2	2	I	0	0	TB	0	0	0	0	0	0
12/7	Teresa	2	16	N	0	5	TB	0	0	0	0	0	0
12/7	Teresa	2	11	I	0	20	TB	0	0	0	0	0	0
12/7	Teresa	2	8	I	0	10	TB	0	0	0	0	0	0
12/7	Teresa	2	6	I	1	5	TB	0	0	0	0	0	0
12/7	Teresa	2	20	N	1	10	TB	0	0	0	0	0	0
12/7	Teresa	2	15	N	2	0	TB	0	0	0	0	0	0
12/7	Teresa	2	10	I	2	10	TB	3	0	0	0	0	0

12/7	Teresa	2	21	N	2	10	TB	0	0	0	0	0	0
12/7	Teresa	2	24	N	2	20	TB	0	0	0	0	0	0
12/7	Teresa	2	9	I	1	10	TB	1	0	0	0	0	0
12/7	Teresa	2	13	I	2	20	TB	0	0	0	0	0	0
12/7	Teresa	2	12	I	1	20	TB	0	0	0	0	0	0
12/7	Teresa	2	17	N	1	5	TB	0	0	0	0	0	0
12/7	Teresa	2	4	I	2	0	TB	2	0	0	0	0	0
12/7	Teresa	2	1	N	0	0	TB	0	0	0	0	0	0
12/7	Teresa	2	19	N	0	10	TB	0	0	0	0	0	0
12/7	Teresa	2	23	N	1	20	TB	0	0	0	0	0	0
12/7	Teresa	2	7	I	2	5	TB	3	0	0	0	0	0
12/7	Teresa	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Teresa	2	18	N	2	5	TB	.	.	.	.	.	.
12/7	Tracey	2	22	N	0	20	TB	0	0	0	0	1	0
12/7	Tracey	2	5	I	0	5	TB	0	0	0	0	1	0
12/7	Tracey	2	14	N	1	0	TB	0	0	0	0	1	0
12/7	Tracey	2	2	I	0	0	TB	0	0	0	0	0	0
12/7	Tracey	2	16	N	0	5	TB	0	0	0	0	1	0
12/7	Tracey	2	11	I	0	20	TB	0	0	0	0	0	0
12/7	Tracey	2	8	I	0	10	TB	2	0	0	0	0	0
12/7	Tracey	2	6	I	1	5	TB	2	1	0	0	0	0
12/7	Tracey	2	20	N	1	10	TB	0	0	0	0	2	0
12/7	Tracey	2	15	N	2	0	TB	2	0	0	0	0	0
12/7	Tracey	2	10	I	2	10	TB	2	1	0	0	0	1
12/7	Tracey	2	21	N	2	10	TB	1	0	0	0	1	0
12/7	Tracey	2	24	N	2	20	TB	1	1	0	0	1	0
12/7	Tracey	2	9	I	1	10	TB	2	1	0	0	0	0
12/7	Tracey	2	13	I	2	20	TB	1	0	0	0	0	0
12/7	Tracey	2	12	I	1	20	TB	0	0	0	0	0	0
12/7	Tracey	2	17	N	1	5	TB	0	0	0	0	2	0
12/7	Tracey	2	4	I	2	0	TB	2	0	0	0	0	1
12/7	Tracey	2	1	N	0	0	TB	1	0	0	0	1	0
12/7	Tracey	2	19	N	0	10	TB	0	0	0	0	1	0
12/7	Tracey	2	23	N	1	20	TB	1	0	0	0	0	0
12/7	Tracey	2	7	I	2	5	TB	3	1	0	0	0	1
12/7	Tracey	2	3	I	1	0	TB	.	.	.	.	.	.
12/7	Tracey	2	18	N	2	5	TB	.	.	.	.	.	.
12/11	Teresa	3	13	I	2	20	SL	0	0	0	0	0	0
12/11	Teresa	3	20	N	1	10	SL	0	0	0	0	0	0
12/11	Teresa	3	2	I	0	0	SL	3	0	0	0	0	0
12/11	Teresa	3	23	N	1	20	SL	0	0	0	0	0	0
12/11	Teresa	3	4	I	2	0	SL	2	0	0	0	0	0
12/11	Teresa	3	1	N	0	0	SL	0	0	0	0	0	0

12/11	Teresa	3	9	I	1	10	SL	0	0	2	0	0	0
12/11	Teresa	3	16	N	0	5	SL	0	0	0	0	0	0
12/11	Teresa	3	12	I	1	20	SL	2	0	0	0	0	0
12/11	Teresa	3	8	I	0	10	SL	0	0	0	0	0	0
12/11	Teresa	3	18	N	2	5	SL	0	0	0	0	0	0
12/11	Teresa	3	15	N	2	0	SL	0	0	0	0	0	0
12/11	Teresa	3	11	I	0	20	SL	2	0	0	0	0	0
12/11	Teresa	3	17	N	1	5	SL	0	0	0	0	0	0
12/11	Teresa	3	19	N	0	10	SL	0	0	0	0	0	0
12/11	Teresa	3	14	N	1	0	SL	0	0	0	0	0	0
12/11	Teresa	3	3	I	1	0	SL	2	0	0	0	0	0
12/11	Teresa	3	7	I	2	5	SL	3	0	0	0	0	0
12/11	Teresa	3	10	I	2	10	SL	3	0	2	0	0	0
12/11	Teresa	3	5	I	0	5	SL	0	0	0	0	0	0
12/11	Teresa	3	22	N	0	20	SL	0	0	0	0	0	0
12/11	Teresa	3	24	N	2	20	SL	0	0	0	0	0	0
12/11	Teresa	3	6	I	1	5	SL	5	0	0	0	0	0
12/11	Teresa	3	21	N	2	10	SL	0	0	0	0	0	0
12/11	Randi	3	13	I	2	20	SL	0	0	0	0	0	1
12/11	Randi	3	20	N	1	10	SL	0	0	0	0	1	0
12/11	Randi	3	2	I	0	0	SL	1	0	0	0	0	0
12/11	Randi	3	23	N	1	20	SL	0	0	0	0	0	0
12/11	Randi	3	4	I	2	0	SL	1	0	0	0	0	2
12/11	Randi	3	1	N	0	0	SL	0	0	0	0	1	0
12/11	Randi	3	9	I	1	10	SL	1	0	0	0	0	2
12/11	Randi	3	16	N	0	5	SL	0	0	0	0	1	0
12/11	Randi	3	12	I	1	20	SL	2	0	0	0	0	2
12/11	Randi	3	8	I	0	10	SL	2	0	0	0	0	1
12/11	Randi	3	18	N	2	5	SL	0	0	0	0	0	0
12/11	Randi	3	15	N	2	0	SL	0	0	0	0	2	0
12/11	Randi	3	11	I	0	20	SL	1	0	0	0	0	0
12/11	Randi	3	17	N	1	5	SL	0	0	0	0	2	0
12/11	Randi	3	19	N	0	10	SL	0	0	0	0	1	0
12/11	Randi	3	14	N	1	0	SL	0	0	0	0	1	0
12/11	Randi	3	3	I	1	0	SL	2	0	0	0	0	2
12/11	Randi	3	7	I	2	5	SL	1	0	0	0	0	1
12/11	Randi	3	10	I	2	10	SL	2	0	0	0	0	1
12/11	Randi	3	5	I	0	5	SL	1	0	0	0	0	2
12/11	Randi	3	22	N	0	20	SL	0	0	0	0	1	0
12/11	Randi	3	24	N	2	20	SL	0	0	0	0	1	0
12/11	Randi	3	6	I	1	5	SL	2	0	0	0	0	2
12/11	Randi	3	21	N	2	10	SL	0	0	0	0	1	0
12/11	Liz	3	13	I	2	20	SL	2	0	0	0	0	0

12/11	Liz	3	20	N	1	10	SL	0	0	0	0	0	0
12/11	Liz	3	2	I	0	0	SL	2	0	0	0	0	0
12/11	Liz	3	23	N	1	20	SL	0	0	0	0	0	0
12/11	Liz	3	4	I	2	0	SL	1	0	0	0	0	0
12/11	Liz	3	1	N	0	0	SL	0	0	0	0	1	0
12/11	Liz	3	9	I	1	10	SL	1	0	0	0	0	0
12/11	Liz	3	16	N	0	5	SL	0	0	0	0	1	0
12/11	Liz	3	12	I	1	20	SL	2	0	0	0	0	0
12/11	Liz	3	8	I	0	10	SL	2	0	0	0	0	0
12/11	Liz	3	18	N	2	5	SL	0	0	0	0	0	0
12/11	Liz	3	15	N	2	0	SL	0	0	0	0	1	0
12/11	Liz	3	11	I	0	20	SL	1	0	0	0	0	0
12/11	Liz	3	17	N	1	5	SL	0	0	2	0	0	0
12/11	Liz	3	19	N	0	10	SL	0	0	0	0	1	0
12/11	Liz	3	14	N	1	0	SL	0	0	0	0	1	0
12/11	Liz	3	3	I	1	0	SL	1	0	0	0	0	0
12/11	Liz	3	7	I	2	5	SL	2	0	0	0	0	0
12/11	Liz	3	10	I	2	10	SL	3	0	0	0	1	0
12/11	Liz	3	5	I	0	5	SL	1	0	0	0	0	0
12/11	Liz	3	22	N	0	20	SL	0	0	0	0	0	0
12/11	Liz	3	24	N	2	20	SL	0	0	1	0	0	0
12/11	Liz	3	6	I	1	5	SL	4	0	0	0	0	1
12/11	Liz	3	21	N	2	10	SL	0	0	0	0	0	0
12/11	Jason	3	13	I	2	20	SL	2	0	1	2	0	0
12/11	Jason	3	20	N	1	10	SL	0	0	2	0	0	2
12/11	Jason	3	2	I	0	0	SL	1	0	0	0	0	0
12/11	Jason	3	23	N	1	20	SL	0	0	0	0	0	1
12/11	Jason	3	4	I	2	0	SL	0	0	0	0	2	0
12/11	Jason	3	1	N	0	0	SL	0	0	0	2	2	1
12/11	Jason	3	9	I	1	10	SL	2	0	1	0	1	2
12/11	Jason	3	16	N	0	5	SL	1	0	2	0	0	3
12/11	Jason	3	12	I	1	20	SL	3	0	1	0	2	1
12/11	Jason	3	8	I	0	10	SL	1	0	3	0	0	2
12/11	Jason	3	18	N	2	5	SL	0	0	0	0	3	0
12/11	Jason	3	15	N	2	0	SL	1	0	0	0	0	0
12/11	Jason	3	11	I	0	20	SL	0	0	0	0	2	0
12/11	Jason	3	17	N	1	5	SL	1	0	1	0	0	1
12/11	Jason	3	19	N	0	10	SL	1	0	0	1	0	0
12/11	Jason	3	14	N	1	0	SL	1	0	0	0	0	0
12/11	Jason	3	3	I	1	0	SL	1	0	0	2	0	0
12/11	Jason	3	7	I	2	5	SL	1	0	2	0	0	2
12/11	Jason	3	10	I	2	10	SL	1	0	2	0	0	2
12/11	Jason	3	5	I	0	5	SL	1	0	0	0	0	0

12/11	Jason	3	22	N	0	20	SL	2	0	1	0	0	0
12/11	Jason	3	24	N	2	20	SL	1	0	0	0	2	0
12/11	Jason	3	6	I	1	5	SL	4	0	0	0	0	2
12/11	Jason	3	21	N	2	10	SL	0	0	0	0	0	0
12/11	Tracey	3	13	I	2	20	SL	2	1	0	0	0	0
12/11	Tracey	3	20	N	1	10	SL	0	0	0	0	2	0
12/11	Tracey	3	2	I	0	0	SL	2	0	1	0	0	0
12/11	Tracey	3	23	N	1	20	SL	0	0	0	0	1	0
12/11	Tracey	3	4	I	2	0	SL	3	1	0	0	0	0
12/11	Tracey	3	1	N	0	0	SL	0	0	0	0	1	0
12/11	Tracey	3	9	I	1	10	SL	3	1	0	0	0	0
12/11	Tracey	3	16	N	0	5	SL	0	0	0	0	2	0
12/11	Tracey	3	12	I	1	20	SL	2	0	1	0	0	0
12/11	Tracey	3	8	I	0	10	SL	3	1	1	0	0	0
12/11	Tracey	3	18	N	2	5	SL	0	0	0	0	1	0
12/11	Tracey	3	15	N	2	0	SL	0	0	0	0	2	0
12/11	Tracey	3	11	I	0	20	SL	3	1	1	1	1	0
12/11	Tracey	3	17	N	1	5	SL	0	0	0	0	1	0
12/11	Tracey	3	19	N	0	10	SL	0	0	0	0	1	0
12/11	Tracey	3	14	N	1	0	SL	0	0	0	0	0	0
12/11	Tracey	3	3	I	1	0	SL	2	1	1	0	0	0
12/11	Tracey	3	7	I	2	5	SL	3	1	1	1	0	1
12/11	Tracey	3	10	I	2	10	SL	2	1	0	0	0	1
12/11	Tracey	3	5	I	0	5	SL	2	1	0	0	2	0
12/11	Tracey	3	22	N	0	20	SL	0	0	0	0	2	0
12/11	Tracey	3	24	N	2	20	SL	0	0	0	0	2	0
12/11	Tracey	3	6	I	1	5	SL	4	1	0	0	0	2
12/11	Tracey	3	21	N	2	10	SL	0	0	0	0	1	0
12/12	Tracey	3	12	I	1	20	TB	2	0	0	1	0	0
12/12	Tracey	3	11	I	0	20	TB	0	1	0	0	1	0
12/12	Tracey	3	22	N	0	20	TB	0	0	0	0	1	0
12/12	Tracey	3	1	N	0	0	TB	0	0	0	0	1	0
12/12	Tracey	3	20	N	1	10	TB	1	0	0	0	1	0
12/12	Tracey	3	14	N	1	0	TB	1	0	0	0	1	0
12/12	Tracey	3	4	I	2	0	TB	1	1	0	0	1	0
12/12	Tracey	3	18	N	2	5	TB	1	0	0	0	0	0
12/12	Tracey	3	7	I	2	5	TB	3	1	1	0	0	0
12/12	Tracey	3	9	I	1	10	TB	2	0	0	0	1	0
12/12	Tracey	3	3	I	1	0	TB	0	0	0	0	1	0
12/12	Tracey	3	13	I	2	20	TB	1	0	0	0	0	1
12/12	Tracey	3	16	I	0	5	TB	0	0	0	0	1	0
12/12	Tracey	3	8	I	0	10	TB	1	1	0	0	0	0
12/12	Tracey	3	15	N	2	0	TB	0	0	0	0	1	0

12/12	Tracey	3	19	N	0	10	TB	1	0	0	0	2	0
12/12	Tracey	3	5	I	0	5	TB	2	0	0	0	1	0
12/12	Tracey	3	21	N	2	10	TB	0	0	0	0	2	0
12/12	Tracey	3	23	N	1	20	TB	0	0	0	0	0	0
12/12	Tracey	3	6	I	1	5	TB	1	0	0	0	1	0
12/12	Tracey	3	2	I	0	0	TB	0	0	0	0	0	0
12/12	Tracey	3	17	N	1	5	TB	0	0	0	0	1	0
12/12	Tracey	3	10	I	2	10	TB	1	1	0	0	0	0
12/12	Tracey	3	24	N	2	20	TB	0	0	0	0	1	0
12/12	Teresa	3	12	I	1	20	TB	0	0	0	0	0	0
12/12	Teresa	3	11	I	0	20	TB	1	0	0	0	0	0
12/12	Teresa	3	22	N	0	20	TB	0	0	0	0	0	0
12/12	Teresa	3	1	N	0	0	TB	0	0	0	0	0	0
12/12	Teresa	3	20	N	1	10	TB	0	0	0	0	0	0
12/12	Teresa	3	14	N	1	0	TB	0	0	2	0	0	0
12/12	Teresa	3	4	I	2	0	TB	1	0	0	0	0	0
12/12	Teresa	3	18	N	2	5	TB	0	0	0	0	0	0
12/12	Teresa	3	7	I	2	5	TB	2	0	0	0	0	0
12/12	Teresa	3	9	I	1	10	TB	3	0	0	0	0	0
12/12	Teresa	3	3	I	1	0	TB	0	0	0	0	0	0
12/12	Teresa	3	13	I	2	20	TB	0	0	0	0	0	0
12/12	Teresa	3	16	I	0	5	TB	0	0	0	0	0	0
12/12	Teresa	3	8	I	0	10	TB	0	0	0	0	0	0
12/12	Teresa	3	15	N	2	0	TB	1	0	0	0	0	0
12/12	Teresa	3	19	N	0	10	TB	0	0	0	0	0	0
12/12	Teresa	3	5	I	0	5	TB	2	0	0	0	0	0
12/12	Teresa	3	21	N	2	10	TB	0	0	0	0	0	0
12/12	Teresa	3	23	N	1	20	TB	0	0	0	0	0	0
12/12	Teresa	3	6	I	1	5	TB	0	0	0	0	0	0
12/12	Teresa	3	2	I	0	0	TB	0	0	0	0	0	0
12/12	Teresa	3	17	N	1	5	TB	0	0	0	0	0	0
12/12	Teresa	3	10	I	2	10	TB	0	0	0	0	0	0
12/12	Teresa	3	24	N	2	20	TB	0	0	0	0	0	0
12/12	Jason	3	12	I	1	20	TB	2	0	1	0	1	1
12/12	Jason	3	11	I	0	20	TB	1	0	2	0	0	2
12/12	Jason	3	22	N	0	20	TB	0	0	0	0	1	0
12/12	Jason	3	1	N	0	0	TB	0	0	0	0	0	0
12/12	Jason	3	20	N	1	10	TB	1	0	1	0	0	0
12/12	Jason	3	14	N	1	0	TB	0	0	0	0	2	0
12/12	Jason	3	4	I	2	0	TB	0	0	0	0	1	0
12/12	Jason	3	18	N	2	5	TB	0	0	1	0	0	1
12/12	Jason	3	7	I	2	5	TB	2	0	0	0	1	0
12/12	Jason	3	9	I	1	10	TB	2	0	1	0	0	1

12/12	Jason	3	3	I	1	0	TB	1	0	0	0	2	0
12/12	Jason	3	13	I	2	20	TB	1	0	0	0	0	0
12/12	Jason	3	16	I	0	5	TB	0	0	2	0	0	3
12/12	Jason	3	8	I	0	10	TB	1	0	1	0	0	1
12/12	Jason	3	15	N	2	0	TB	1	0	0	0	0	0
12/12	Jason	3	19	N	0	10	TB	0	0	1	0	1	1
12/12	Jason	3	5	I	0	5	TB	2	0	0	0	2	1
12/12	Jason	3	21	N	2	10	TB	1	0	2	0	0	0
12/12	Jason	3	23	N	1	20	TB	0	0	0	1	0	0
12/12	Jason	3	6	I	1	5	TB	0	0	0	0	0	1
12/12	Jason	3	2	I	0	0	TB	0	0	1	0	1	2
12/12	Jason	3	17	N	1	5	TB	1	0	0	0	1	0
12/12	Jason	3	10	I	2	10	TB	1	0	0	1	0	0
12/12	Jason	3	24	N	2	20	TB	1	0	1	0	0	0
12/12	Liz	3	12	I	1	20	TB	1	0	0	0	1	0
12/12	Liz	3	11	I	0	20	TB	0	0	1	0	0	0
12/12	Liz	3	22	N	0	20	TB	0	0	0	0	1	0
12/12	Liz	3	1	N	0	0	TB	0	0	0	0	1	0
12/12	Liz	3	20	N	1	10	TB	0	0	0	0	1	0
12/12	Liz	3	14	N	1	0	TB	0	0	0	0	2	0
12/12	Liz	3	4	I	2	0	TB	1	0	0	0	1	0
12/12	Liz	3	18	N	2	5	TB	0	0	0	0	0	0
12/12	Liz	3	7	I	2	5	TB	1	0	0	0	0	0
12/12	Liz	3	9	I	1	10	TB	1	0	0	0	0	0
12/12	Liz	3	3	I	1	0	TB	1	0	0	0	1	0
12/12	Liz	3	13	I	2	20	TB	0	0	0	0	1	0
12/12	Liz	3	16	I	0	5	TB	0	0	0	0	1	0
12/12	Liz	3	8	I	0	10	TB	0	0	0	0	0	0
12/12	Liz	3	15	N	2	0	TB	0	0	0	0	0	0
12/12	Liz	3	19	N	0	10	TB	0	0	0	0	0	0
12/12	Liz	3	5	I	0	5	TB	1	0	0	0	0	0
12/12	Liz	3	21	N	2	10	TB	0	0	0	0	1	0
12/12	Liz	3	23	N	1	20	TB	0	0	0	0	0	0
12/12	Liz	3	6	I	1	5	TB	1	0	0	0	0	0
12/12	Liz	3	2	I	0	0	TB	1	0	0	0	0	0
12/12	Liz	3	17	N	1	5	TB	0	0	0	0	0	0
12/12	Liz	3	10	I	2	10	TB	1	0	0	0	0	0
12/12	Liz	3	24	N	2	20	TB	0	0	0	0	0	0

VITA

Tracey Ann Williams

13199 100th Ave North

Seminole, Florida 33776

Tracey Williams was born on April 22, 1978 in Clearwater, Florida to Mr. and Mrs. Denny Williams. She attended Largo High School and graduated as valedictorian in 1996. In August 1996, she entered the University of Florida, Gainesville, Florida, majored in food science and human nutrition with and emphasis in dietetics and a minor in sociology and received a Bachelor of Science degree in May 2000. Following graduation, Tracey entered graduate school at Texas A&M University to obtain her Master of Science degree in food science under the direction of Dr. Rhonda K. Miller. Following the completion of her Master of Science, Tracey will be working for ConAgra Foods in Omaha, Nebraska. The author is a member of the American Meat Science Association, Institute of Food Technologists, and Gamma Sigma Delta Honor Society.

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