## Burger Builder Solution

Step 1: Determine what options each person wants on their burgers.
Step 2: Determine how much each day's burgers cost (refer to the chart below)

| Day | Burger | Burger | Price | Condiment1 | Price | Condiment2 | Price | Condiment3 | Price | Condiment4 | Price | Condiment5 | Price | Bun | Price | Total | Daily Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6-Apr | Quarter pounder with cheese | Yes | \$4.00 | American (x2) | \$1.00 | ketchup | \$0.01 | mustard | \$0.01 | pickles | \$0.25 | onions | \$0.25 | sesame | \$0.05 | \$5.57 |  |
| 6-Apr | Hamburger with relish instead of pickles and onions | Yes | \$4.00 | ketchup | \$0.01 | mustard | \$0.01 | relish | \$0.01 |  |  |  |  |  |  | \$4.03 |  |
| 6-Apr | Veggie burger with everything pickled on top | Yes | \$4.00 | relish | \$0.01 | jalepeno | \$0.25 | pepperoncini | \$0.25 | pickles (x2) | \$0.50 | sauerkraut | \$0.25 |  |  | \$5.26 |  |
| 6-Apr | Buffalo wing burger with celery and onions | Yes | \$4.00 | blue cheese dressing | \$0.05 | hot wing sauce | \$0.05 | celery | \$0.05 |  |  |  |  |  |  | \$4.15 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$19.01 |
| 7-Apr | Grilled cheese on sourdough with all the cheeses. | No | \$0.00 | American | \$0.50 | cheddar | \$0.50 | swiss | \$0.50 | provolone | \$0.50 | brie | \$1.00 | sourdough | \$0.05 | \$3.05 |  |
| 7-Apr | Reuben Burger, no pickles | Yes | \$4.00 | 1,000 island | \$0.05 | corned beef | \$1.00 | sauerkraut | \$0.25 | swiss | \$0.50 |  |  | rye | \$0.05 | \$5.85 |  |
| 7-Apr | Chili cheeseburger with green onions \& guacamole | Yes | \$4.00 | Chili | \$1.00 | Cheese | \$0.50 | Onions | \$0.25 |  |  | guacamole | \$1.00 |  |  | \$6.75 |  |
| 7-Apr | Bacon cheeseburger with onion rings on top | Yes | \$4.00 |  |  | bacon | \$1.00 | cheese | \$0.50 | onion rings | \$1.00 |  |  |  |  | \$6.50 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$22.15 |
| 8-Apr | Grilled cheese on sourdough but this time without the American and runny French cheese. Add tomatoes | No | \$0.00 |  |  | cheddar | \$0.50 | swiss | \$0.50 | provolone | \$0.50 | tomato | \$0.25 | sourdough | \$0.05 | \$1.80 |  |
| 8-Apr | BLT Burger no mayo | Yes | \$4.00 |  |  | Lettuce | \$0.25 | Bacon | \$1.00 | Tomato | \$0.25 |  |  |  |  | \$5.50 |  |
| 8-Apr | Veggie burger on wheat; all the fresh, raw veggies except onions | Yes | \$4.00 | carrot | \$0.05 | celery | \$0.05 | lettuce \& mixed greens | \$0.50 |  |  | tomato | \$0.25 | wheat | \$0.05 | \$4.90 |  |
| 8-Apr | Hawaiian Pizza burger | Yes | \$4.00 | ham | \$1.00 | pineapple | \$0.50 | pizza sauce | \$0.05 | cheese | \$0.50 |  |  |  |  | \$6.05 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \$18.25 |

Step 3: Observe that the totals are in two-digit pairs, and realize that two-digit numbers under 26 can convert to letters.
Step 4: Convert the numbers in the daily totals to letters and get $S(19) A(01) V(22) O(15) R(18) Y(25)$

