

PROBLEM: ACSL Rummy is a card game played by two players with a standard deck of 52 cards. The card values will be represented as A, 2, 3, 4, 5, 6, 7, 8, 9, T, J, Q, K and the suits as S, H, C, D. Each player is dealt 7 cards. The object of the game is to form two sets, two runs or one of each. Sets are 3 or 4 cards of the same value, i.e., 3 jacks or 4 sevens. Runs are sequences of 3 or 4 cards of the same suit, i.e., 5, 6, 7 of spades or ace, 2, 3, 4 of hearts.

Once a player has the required sets or runs, the player's cards are placed face up on the table, the game ends and scoring begins. Scoring is based upon the cards in the losing player's hand. The losing player can lessen the number of cards in his hand if he can add to the winning player's sets and runs. The cards remaining in the losing player's hand are evaluated using the table below and become the score given to the winning player.

Aces	1 point
Face Cards	10 points
Other Cards	Face value

EXAMPLE: If the winning hand contains the 4H, 5H, 6H, 7H, TC, TH, TD and the losing hand contains 2H, 3H, 8H, TS, AS, 8C, KH then the 2H and the 3H can be used to extend the run on the low end and the 8H can extend the run on the high end. The TS can be added to the set of tens. That leaves the AS, 8C, KH as point cards and are evaluated as follows  $1 + 8 + 10 = 19$  points.

INPUT: There will be 6 lines of input. Each line will contain 7 two-character strings representing the cards in a player's hand. The characters in each string will be in value, suit order, i.e., 7S represents the seven of spades, KH represents the king of hearts, and TD represents the 10 of diamonds. The first line represents the winning hand. Lines 2 - 6 will represent losing hands in 5 different games.

OUTPUT: For each line 2 - 6 print the score awarded to the winning hand as described in first line.

SAMPLE INPUT

1. 4H, 5H, 6H, 7H, TC, TH, TD
2. 2H, 3H, 8H, TS, AS, 8C, KH
3. 3H, TS, 3C, 5D, QH, JS, 2S
4. AH, 2H, 3H, 6C, KS, QH, 9D
5. AS, 2H, 3C, 7C, QD, KD, 5S
6. TS, 8H, AC, AD, QH, QS, 2D

SAMPLE OUTPUT

1. 19
2. 30
3. 35
4. 38
5. 24

## TEST DATA

### TEST INPUT

1. 9D, TD, JD, QD, 4H, 5H, 6H
2. 3S, 5C, TC, QS, AH, QC, KD
3. 3C, KS, 3H, 5C, 7H, TS, 2H
4. 3S, 8S, AC, AH, 5C, 9S, 2C
5. 6D, 2C, 3H, QC, 7D, KS, 7H
6. 5D, KD, 3H, 6D, 7D, 7H, 8D

### TEST OUTPUT

1. 39
2. 28
3. 29
4. 35
5. 0