Blackjack

Problem ID: blackjack

Blackjack Bob, as the name suggests, likes to play Blackjack every opportunity he gets. Blackjack Bob has since his first game of Blackjack played at the same casino. Every dealer knows that Blackjack Bob is a little special, since he belives in the lucky number 3. Blackjack Bob will always the dealers for 3 cards regardless of him busting by taking the third card.

After Blackjack Bob retired he lost his ability to calculate the total value of the three cards dealt to him. As he still wants to play, he got his nephew to write all the values of all the cards on a piece of paper. Depsite the handwriting, Blackjack Bob is able to determine that the cards $2 - 10$ has the value on the card, *Jacks*, *Queens* and *Kings* have the value 10 and *Aces* have the values 1 or 11.

Can you help Blackjack Bob determine the best possible result he can achieve with each of the hands he gets dealt?

Input

The first line of the input contains one integer N, $1 \leq N \leq 5$, which is the number of hands Blackjack Bob will be dealt. The following N contains the three cards of each hand.

Output

For each hand output the best possible result. Output "BLACKJACK" if the cards can add up to 21. Output "LOST" if the sum of the card are more than 21. Otherwise output the largest sum possible.

Sample Input 1

```
1
A 10 J
```

Sample Output 1

```
blackjack
```

Sample Input 2

```
3
Q J 10
2 4 9
Q 5 6
```

Sample Output 2

```
LOST
15
blackjack
```