

# Prime game

Aayush and Akash now want to play a game which involves prime numbers. So They play following game. They first decide a positive integer  $N$  ( $1 \leq N \leq 100000$ ) and take their turn one by one. In each turn a player must delete a digit from the number. Game ends when the number becomes less than 10 or prime. Whoever can't make a move loses. Aayush always play first.

Clarification about deletion:

Deleting 2 from 123 will leave 13

Deleting 1 from 103 will leave 3

Deleting 2 from 200 will leave 0

## Input

First line contains  $T$  ( $1 \leq T \leq 10000$ ), the number of test cases. Following  $T$  lines contain 1 integer each, the value of  $N$ .

## Output

For each test case print "Aayush" if Aayush wins else print "Akash".

## Example

**Input:**

2

5

14

**Output:**

Akash

Aayush