

# A Simple Game

Akash and Aayush play the following number game. First they choose a number  $N$  ( $1 \leq N \leq 1000000000$ ). Then both of them take their turn one by one. In a turn player has to subtract 1 from the number if it is odd or divide the number by 2 if it is even. Game end when the number becomes zero. Aayush has a dominating nature So he always play first. Help them in finding out who will win the game.

## Input

First line contains  $T$ , 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  
468  
7547

**Output:**

Aayush  
Akash