
Boring day

Input file: **standard input**
Output file: **standard output**
Time limit: 2 seconds
Memory limit: 256 megabytes

Bilal and Anass are very bored , So they decided to play a game.

Two players are given an array of n elements , initially the score of each player is 0. in each turn a player takes the *xor* of prefix of at most 5 elements(And at least 1 element) and *xor* it with his score , This prefix will be removed from the array. The game ends when the array is empty.

The player that haves the maximum score wins.

Bilal plays the first turn.

We want to know who is going to win if both of them play optimally.

Input

the first line contains only one number N , $1 \leq N \leq 10^5$.

the second line contains N integers . $a_1, a_2 \dots a_N$, $0 \leq a_i \leq 10^{18}$.

Output

Output "Bilal"if Bilal is going to win. otherwise print "Anass".

Examples

standard input	standard output
5 1 2 3 4 5	Bilal
6 1 2 3 4 4 8	Anass

Note

In the first example Bilal can take the prefix of 5 elements : $1 \oplus 2 \oplus 3 \oplus 4 \oplus 5 = 1$. then he takes this result and xor it with his score which is 0, So Bilal's score becomes 1, Anass cant play any move since the array is empty. So the winner is Bilal.