

Problem A

Bar

According to Bolivian laws it is only allowed to sell alcohol to people not younger than 18 years. Your job is to monitor the law's enforcement. Tonight he entered a bar and saw n people sitting there. For every one of them you happened to determine either the age or the drink the person is having. You can check any person, i.e. learn his age and the drink he is having at the same time.

What minimal number of people should you check additionally to make sure that there are no clients under 18 having alcohol drinks?

The list of all alcohol drinks in Bolivia is: ABSINTH, BEER, BRANDY, CHAMPAGNE, GIN, RUM, SAKE, TEQUILA, VODKA, WHISKEY, WINE

Input

The first line contains an integer n ($1 \leq n \leq 100$) which is the number of the bar's clients. Then follow n lines, each describing one visitor. A line either contains his age (an integer from 0 to 1000) or his drink (a string of capital Latin letters from 1 to 100 in length). It is guaranteed that the input data does not contain spaces and other unnecessary separators and an $n = -1$ will indicate the end of the input.

Only the drinks from the list given above should be considered alcohol.

Output

Print a single number which is the number of people you should check to guarantee the law enforcement.

Sample input	Output for sample input
5	2
18	0
VODKA	
COKE	
19	
17	
3	
FANTA	
SPRITE	
COKE	
-1	