

The Legend of the Scrollbar

Problem ID: alcoholfromscroll

In the bustling halls of ITU, where minds meld with code, lies the Scrollbar, a haven for weary students. There, amidst the hum of algorithms and the buzz of ideas, whispers abound of a legendary drink—crafted with care and brewed with brilliance—where every sip is a journey into mathematical ecstasy, a concoction revered as the elixir of the Scrollbar, where every drop heralds a triumph of taste and thrift.

Three students adjourn to find the drink where they can get the most alcohol for the lowest amount of money

Input

The input consists of multiple line. The first line contains the number n , $0 < n \leq 100$, the number of drinks at the ITU bar. The following n line consists of two integers oh and dk , oh indicates the number of alcoholic units in the drink, $0 \leq oh$, dk indicates the price in dansih crowns for the drink, $0 < dk$.



3 guys in Scrollbar

Output

Output the index of the drink where they can get the most alcohol for the lowest amount of money.

Sample Input 1

```
3
1 50
3 340
9 10
```

Sample Output 1

```
2
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