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## UESTC 2016 Summer Training #13 Div.2

2:00:20

5:00:00

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### Description

2012 If this is the end of the world how to do? I do not know how. But now scientists have found that some stars, who can live, but some people do not fit to live some of the planet. Now scientists want your help, is to determine what all of people can live in these planets.

### Input

More set of test data, the beginning of each data is  $n$  ( $1 \leq n \leq 100000$ ),  $m$  ( $1 \leq m \leq 10$ )  $n$  indicate there  $n$  people on the earth,  $m$  representatives  $m$  planet, planet and people labels are from 0. Here are  $n$  lines, each line represents a suitable living conditions of people, each row has  $m$  digits, the  $i$ th digits is 1, said that a person is fit to live in the  $i$ th-planet, or is 0 for this person is not suitable for living in the  $i$ th planet.

The last line has  $m$  digits, the  $i$ th digit  $a_i$  indicates the  $i$ th planet can contain  $a_i$  people most..

$0 \leq a_i \leq 100000$

### Output

Determine whether all people can live up to these stars  
If you can output YES, otherwise output NO.

### Sample Input

```
1 1
1
1

2 2
1 0
1 0
1 1
```

### Sample Output

```
YES
NO
```

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Server Time: 2016-07-25 14:00:19