M1 – Let the Wookiee win

You are playing Chewbacca in a tough game of Glactic tic-tac-toe, which is just like simple tic-tac-toe except the playing board is a 5×5 and the goal is to get 4 in a row. Han Solo warns you that Wookiee's have been known to pull people's arms out of their sockets when they lose. Wisely, you decide to let the Wookiee win!

Input

Input consists of a 5×5 playing board. Each square in a row is separated by a single space. You are 'O', Chewie is 'X' and empty squares are denoted by '*'. There is exactly one empty square that you can play that does not give you a win and does not block any of Chewie's winning moves on his next turn.

Output

Print a line consisting of the number of the square that you should play to avoid having your arms pulled out of their sockets. The numbering should conform to the table below.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

Example

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Input:          Output:
X O * X X        3
O O X X *
O O * X X
O X O O X
X O O X O
```

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Input:          Output:
X X X * O        17
O * * O X
O O X * X
O * X X O
* X O O O
```