Emag Eht Htiw Em Pleh

This problem is a reverse case of the problem "Help Me With The Game". You are given the output from that problem, and your task is to find the corresponding input.

Input

The input follows the output specification of the problem "Help Me With The Game".

Output

The output must be a valid input for the problem "Help Me With The Game", corresponding to the given input data.

Sample Input 1

```
White: Ke1,Qd1,Ra1,Rh1,Bc1,Bf1,Nb1,a2,c2,d2,f2,g2,h2,a3,e4
Black: Ke8,Qd8,Ra8,Rh8,Bc8,Ng8,Nc6,a7,b7,c7,d7,e7,f7,h7,h6
```

Sample Output 1

```
+---+---+---+---+---+---+---+---+
|.r.|:::|.b.|:q:|.k.|:::|.n.|:r:|
+---+---+---+---+---+---+---+---+
|:p:|.p.|:p:|.p.|:p:|.p.|:::|.p.|
+---+---+---+---+---+---+---+---+
|...|:::|.n.|:::|...|:::|...|:p:|
+---+---+---+---+---+---+---+---+
|:::|...|:::|...|:::|...|:::|...|
+---+---+---+---+---+---+---+---+
|...|:::|...|:::|.P.|:::|...|:::|
+---+---+---+---+---+---+---+---+
|:P:|...|:::|...|:::|...|:::|...|
+---+---+---+---+---+---+---+---+
|.P.|:::|.P.|:P:|...|:P:|.P.|:P:|
+---+---+---+---+---+---+---+---+
|:R:|.N.|:B:|.Q.|:K:|.B.|:::|.R.|
+---+---+---+---+---+---+---+---+
```

Sample Input 2

```
White:
Black: Kh5,Ke1
```

Sample Output 2

```
+---+---+---+---+---+---+---+---+
|...|:::|...|:::|...|:::|...|:::|
+---+---+---+---+---+---+---+---+
|:::|...|:::|...|:::|...|:::|...|
+---+---+---+---+---+---+---+---+
|...|:::|...|:::|...|:::|...|:::|
+---+---+---+---+---+---+---+---+
|:::|...|:::|...|:::|...|:::|.k.|
+---+---+---+---+---+---+---+---+
|...|:::|...|:::|...|:::|...|:::|
+---+---+---+---+---+---+---+---+
|:::|...|:::|...|:::|...|:::|...|
+---+---+---+---+---+---+---+---+
|...|:::|...|:::|...|:::|...|:::|
+---+---+---+---+---+---+---+---+
|:::|...|:::|...|:k:|...|:::|...|
+---+---+---+---+---+---+---+---+
```