Given \( n \) words in one language \( X \), and a text with \( m \) words written in another language \( Y \), print all the possible translations of the text to \( X \), assuming that there is a bijection between the words of \( X \) and \( Y \).

**Input**

Input consists of several cases. Every case begins with \( n \), followed by the \( n \) words of the language \( X \), in increasing order, each one made up of between one and six lowercase letters. Follow \( m \), followed by the \( m \) words of the text written in \( Y \), each one made up of between one and six uppercase letters. This text contains exactly \( n \) different words. Assume \( 1 \leq n \leq 6 \) and \( n \leq m \leq 1000 \).

**Output**

For every case, print in alphabetical order all the possible translations of the text in \( Y \) to \( X \). Print a line with 10 dashes at the end of each case.

### Sample input

- 2 bye hi
- 4 HOLA ADEU ADEU HOLA
- 4 cat dog fly horse
- 8 MOSCA GOS GOS CA Vall GAT GAT GAT GOS
- 1 one
- 3 UN UN UN

### Sample output

- bye hi hi bye
- hi bye bye hi
- ------------
- cat dog dog fly horse horse horse dog
cat dog dog horse fly fly dog
cat fly fly dog horse horse horse fly
cat fly fly horse dog dog dog fly
cat horse horse dog fly fly horse
cat horse horse fly fly dog dog dog horse
dog cat cat fly horse horse horse cat
dog cat cat horse fly fly fly cat
dog fly fly cat horse horse horse fly
dog fly fly horse cat cat cat fly
dog horse horse cat fly fly fly horse
dog horse horse fly cat cat cat horse
dog horse horse fly cat cat cat horse
cat fly cat horse dog dog dog cat
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cat fly horse horse dog cat dog dog horse
cat fly horse horse dog cat cat horse
cat horse cat cat dog fly fly fly cat
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cat horse dog dog horse cat cat horse
- ------------
- one one one
- ------------