

Question 1

Correct

Marked out of 10.00

We are given 2 things:

- An original string called sentence.
- A list of words, called seed.

We have to choose the shortest substring from sentence such that all the elements of seed are present in this substring.

Input format

- The first line contains T, the number of test cases. For each T line after that:
- The first line contains sentence
- The following line contains n the size of seed
- The next line contains n space-separated words which are part of the seed

Example Input

2

Talk is cheap. Show me the code. Some talk is not cheap. show the code

3

show the code

The world is here and there. this is a life full of ups and downs. life is world.

4

world there life is

Output

show the code

world is here and there. this is a life

For example:

Input	Result
2 Talk is cheap. Show me the code. Some talk is not cheap. show the code 3 show the code The world is here and there. this is a life full of ups and downs. life is world. 4 world there life is	show the code world is here and there. this is a life

Answer: (penalty regime: 0 %)

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1 t=int(input())
2 for i in range(t):
3     sentence=input()
4     n=int(input())
5     seed=input().lower().split()
6     seed_set=set(seed)
7     words=sentence.split()
8     tot=len(words)
9     min_len=float('inf')
10    result=""
11    for i in range(tot):
12        seen={}
13        count=0
14        for j in range(i,tot):
15            word=words[j].strip(".").lower()
16            if word in seed_set:
17                if word not in seen:
18                    seen[word]=1
19                    count+=1
20            if count==len(seed_set):
21                string=" ".join(words[i:j+1])
22                if (j-i+1)<min_len:
23                    min_len=j-i+1
24                    result=string
25                    break
26    print(result)

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23         min_len = j - i + 1
24         result = string
25         break
26     print(result)

```

	Input	Expected	Got	
✓	<p>2</p> <p>Talk is cheap. Show me the code. Some talk is not cheap. show the code</p> <p>3</p> <p>show the code</p> <p>The world is here and there. this is a life full of ups and downs. life is world.</p> <p>4</p> <p>world there life is</p>	<p>show the code</p> <p>world is here and there.</p> <p>this is a life</p>	<p>show the code</p> <p>world is here and there.</p> <p>this is a life</p>	✓

Passed all tests! ✓