

SENTENCE SEARCH

Sentence Search is new search system which one of your friends wants to implement in his software and he wants you to develop it for him. This search system finds the sentences from a file on the basis minimum and maximum length of the sentence. Basically it finds all the sentences, or consecutive sequence of sentences, in a text file where: $\text{min} \leq \text{length of sentence} \leq \text{max}$.

Assume that a sentence ends in a period, question mark, or exclamation point.

Count all blanks and punctuation, but ignore all the blanks in the start and the end of sentence and assume only one blank between sentences.

Input:

First line of input contains an integer 't' which is the number of test cases. Followed by 't' test cases. Each test case have 2 lines, first line contains 2 integers line, min and max, separated by a space. Second line represents the file.

Precondition: Min and Max will be positive integers less than 1000, and $\text{Min} \leq \text{Max}$.

Output:

For each test case you have to print the number of sentences found i.e. 's'. Followed by 's' lines, each containing the 's' found sentences. Print out "No Sentence Found" if there are none. Each test case output is separated by an empty line.

Sample:

Input:

4

16 16

Black is white. Day is night. Understanding is ignorance.

15 18

Truth is fiction. Safety is danger.

30 37

Truth is fiction. Safety is danger.

1 5

Black is white.

Output:

1

Black is white.

2

Truth is fiction.

Safety is danger.

1

Truth is fiction. Safety is danger.

No Sentence Found

//For third output the two sentences are consecutive sentences with the desired length.