**1-Police**

Undercover police officer ‘Bob Arctor’ of the narcotics division must review the transcript of telephone interceptions carried out in the house where he works incognito and delete all references that could identify him. To help him you must develop a Python program that automates this procedure.

The program must read the **interception.txt** file and write a new **censored.txt** file by removing the lines that contain the words **Bob** and/or **Arctor** and the two previous and following lines. The **interception.txt** file contains only lowercase characters, spaces and line breaks, so it does not contain punctuation or apostrophes. Words are separated using several spaces proportional to the duration of the pauses, and when the recorded voice changes, the file goes to a new line.

In addition, the program must check if Bob's secret identity is in danger. To do this, it must display on the screen if both the word "police" and the names Bob or Arctor have been pronounced, and if so, print what is the minimum distance in lines between the word " police" and the nearest of the words Bob and Arctor. Otherwise, it must signal that the word "police" and the names Bob and Arctor have not been pronounced together.

There are no compound words in the file that contain bob, arcor or police.

Example of input file interception.txt

*Alo*

*hello Mr. Arctor how are you*

*very well but call me Bob*

*okay I was calling about the car repair*

*it's all okay*

*yes but I can't find a piece I can't proceed until I get it*

*it will be a problem*

*I don't think so I could buy it on the black market but I'm afraid of the police*

*go ahead anyway the car is necessary for me*

Example of output file censored.txt

*yes but I can't find a piece I can't proceed until I get it*

*it will be a problem*

*I don't think so I could buy it on the black market but I'm afraid of the police*

*go ahead anyway I need the car*

OUTPUT at console

the word ‘POLICE’ was pronounced 5 lines away.