



Problem 4. «Give an answer»

Two young friends Roman and Stephan use some method to communicate with each other without exchanging common secret keys. Their messages consist of letters from the following extended English alphabet: «A», «B», ..., «Z», «0», «1», ..., «9», « », «?», «.». .».

Here there is a fragment of their recent dialog:

Stephan to Roman: Q2A?4FV4GOCX4IASOXF?K4AJSKN?CXK4NOSK6T

Roman to Stephan: AXOLNJ42?K4QOXUJ4IN4804JA7S.

They had supposed that nobody could understand their dialog but surprisingly Stephan received the message

2?K4AJVKN2LXKS40F420M4SAQ7KX

from their classmate Anton. And Stephan easily understood it!

Try to read the chat!

And what would be your answer?