

Symbol

A1 / 50



Ivancho is developing new website. He is working on the login system. He has some difficulties in choosing the symbol for hiding the characters of the passwords.

After long thinking he choose 5 symbols (some of them might be equal) He wants to know how looks long sequence of this symbols.

You must help Ivancho. You have to make the program **symbol** which by given 5 pairs of number – k and symbol – c prints 5 rows of symbols. Each row consists of exactly k symbols c. You have to print the rows sorted by length. If there are two rows with equal length first print that consist of the symbol with the smaller ASCII code.

Input

On each of the 5 rows of the input file *symbol.in* is given pair – number and symbol.

Output

On each of the 5 rows of the output file *symbol.out* you must print sequence of equal symbols with length – the number which is entered with the symbol.

Constraints

The number in each pair doesn't exceed 50 and is positive.

All symbols are from the ASCII table and have numbers between 32 and 126.

Example

Input (symbol.in)	Output (symbol.out)
1 !	!
3 #	@@
5 %	####
4 \$	\$\$\$\$
2 @	%%%%%%%%