First frequent multiple   X10534_en

Write a program that reads a sequence of integer numbers, and prints the first one that is multiple of a given number n and appears at least a given number of times k.

Input

The input consists of two numbers $n, k > 0$, followed by a sequence of integers.

Output

The output the first number in the sequence that is multiple of n and appears at least k times in the sequence. If there is no such number, the program will print `none`.

Problem information

Author: ProAl

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