Q1. Candies and Wrappers (30 marks):

A candy shop sells *M* candy(ies) at 1 ringgit. To promote their business, the shop also lets customers exchange *P* candy wrappers for *Q* new candy(ies). Suppose that Ahmad has *N* ringgit.

Write a programme to

Input, in sequence, the values of *M*, *N*, *P*, and *Q*, where all of them are positive integers, and

$1 \leq M \leq 3$;

$1 \leq N \leq 100$;

$1 \leq Q < P \leq 10$.

Output, the maximum number of candies that Ahmad can eat**.**

试题 1. 糖果和包装纸 （30 分）：

一令吉可以在某间糖果店里买 *M* 颗糖果。为了促销，这间糖果店允许顾客以 *P* 张包装纸换取 *Q* 颗新的糖果。假设阿末有 *N* 令吉。

试写一程式以

依序输入 *M*, *N*, *P*, 及 *Q* 的值。已知所有的输入值皆为正整数，并且

$1 \leq M \leq 3$;

$1 \leq N \leq 100$;

$1 \leq Q < P \leq 10$.

输出阿末最多可以吃到几颗糖果。

Test Cases

Input (输入)	Output (输出)
3 55 9 4	293
2 100 5 1	249
2 100 10 2	248

Input (输入)	Output (输出)
2 1 3 1	2
3 1 2 1	5
1 30 5 2	48
2 50 8 3	157
3 100 10 9	2919