**Dollar Dayz**

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| **Time Limit:** 1000MS |  | **Memory Limit:** 65536K |
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**Description**

Farmer John goes to Dollar Days at The Cow Store and discovers an unlimited number of tools on sale. During his first visit, the tools are selling variously for $1, $2, and $3. Farmer John has exactly $5 to spend. He can buy 5 tools at $1 each or 1 tool at $3 and an additional 1 tool at $2. Of course, there are other combinations for a total of 5 different ways FJ can spend all his money on tools. Here they are:

1 @ US$3 + 1 @ US$2

1 @ US$3 + 2 @ US$1

1 @ US$2 + 3 @ US$1

2 @ US$2 + 1 @ US$1

5 @ US$1

Write a program than will compute the number of ways FJ can spend N dollars (1 <= N <= 1000) at The Cow Store for tools on sale with a cost of $1..$K (1 <= K <= 100).

**Input**

A single line with two space-separated integers: N and K.

**Output**

A single line with a single integer that is the number of unique ways FJ can spend his money.

**Sample Input**

5 3

**Sample Output**

5

**Source**

[USACO 2006 January Silver](http://poj.org/searchproblem?field=source&key=USACO+2006+January+Silver)