1457 - Baseball Tournament

Description

It's nearly impossible to find a Cuban guy who has nothing to do with baseball! Being Cuban national sport, baseball here is a passion rather than a simple game. One of those things that every Cuban knows is that Cuban National Series preliminary rounds involves **16** teams and they have to play **6 games** with each other, making a great total of **720 games** in that phase. As you are a pretty curious person, you've started to wonder whether is possible or not to determine the total number of games for such kind of tournaments, given the number of teams and how many games they have to play with each other, even with those numbers could be non - realistic. But you are an excellent coder, so you quickly realize it's possible to write a computer program to help yourself.

Input specification

Test case description consists of 2 integers N ($2 <= N <= 10^5$) and K ($1 <= K <= 10^5$), saying the number of teams and games, respectively.

Output specification

A single integer, with the total number of games to play in the preliminary phase of the tournament according to the statements above.

Sample input

```
16 6
```

Sample output

```
720
```

Hint(s)

Source	Ray W. Robinson Valiente
Added by	**ejaltuna**

Addition date	2011-10-13 19:45:09.0
Time limit (ms)	10000
Test limit (ms)	1000
Memory limit (kb)	65536
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text