

Bitcoins

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Miss M lives on the planet Bitaquolandia, where the most popular currency is the bitcoin. Recently, Miss M held a mini-competition for friends, where each winner receives exactly three bitcoins.

It is known that in Miss M's competition, the prize fund is n bitcoins, m people won, and each winner receives exactly three bitcoins.

Determine how many bitcoins will remain with Miss M if she gives three bitcoins to each winner. It is known that Miss M has enough bitcoins.

Input

The first line contains one integer n ($3 \leq n \leq 100$) — the number of bitcoins.

The second line contains one integer m ($1 \leq m \leq 100$) — the number of Miss M's friends who won in the competition.

It is guaranteed that Miss M will have enough bitcoins to distribute to her winning friends.

Output

Print a single integer — the number of bitcoins that will remain with Miss M after she distributes them to the winners.

Example

standard input	standard output
10 2	4

Note

Miss M had two friends win, she will give three bitcoins to each of them. In total, she will give away six, so only four bitcoins will remain.