

## Description

The TA likes rowing on the Siyuan lake. He rows 150 kilometers in the morning, 100 kilometers in the afternoon, and has a rest in the evening and on weekends (Saturday and Sunday). Suppose that the TA starts rowing on the  $x$ th day of the week ( $1 \leq x \leq 7$ , where 1-7 corresponds to Monday-Sunday, respectively). How many kilometers he will accumulate after  $n$  days?

## Input Form

Integer  $x$ . ( $1 \leq x \leq 7$ , where 1-7 corresponds to Monday-Sunday, respectively.)

Integer  $n$  (of type long).

## Output Form

One long integer to represent the kilometers the TA has rowed for.

## Examples

Input: 3 10

The desired output: 2000