Problem H
Triples

Input File: H.in
Output File: standard output
Program Source File: H.c, H.cpp, H.java

Mr. A invites you to solve the following problem:

"Let be $\boldsymbol{m}$ and $\boldsymbol{n}$ two positive integers, $\mathbf{5} \leq \boldsymbol{m} \leq \mathbf{100}$, $\mathbf{2} \leq \boldsymbol{n} \leq \mathbf{100}$. Consider the following sets of triples:

$$\boldsymbol{T_{m,j}} = \{(\boldsymbol{x}, \boldsymbol{y}, \boldsymbol{z}) \in \mathbb{N}^{\mathbf{3}} \mid \boldsymbol{x} \leq \boldsymbol{y} \leq \boldsymbol{z} \leq \boldsymbol{m} \text{ and } \boldsymbol{x^j} + \boldsymbol{y^j} = \boldsymbol{z^j}\}, \qquad \boldsymbol{j} = \mathbf{2}\,..\,\boldsymbol{n}$$

where $\mathbb{N}$ is the set of nonnegative integers ($\mathbb{N} = \{\mathbf{0}, \mathbf{1}, \mathbf{2}, \ldots\}$).

The problem asks you to compute the sum $\boldsymbol{S_{m,n}}$:

$$\boldsymbol{S_{m,n}} = \sum_{\boldsymbol{j}=\mathbf{2}}^{\boldsymbol{n}} \boldsymbol{card}(\boldsymbol{T_{m,j}})$$

where $\boldsymbol{card}(\boldsymbol{T_{m,j}})$ is the number of elements of the set $\boldsymbol{T_{m,j}}$."

Input
The input file contains a single test. The first line of the input file contains the value of m and the second line contains the value of n.

Output
The result will be written to standard output.

Sample input	Sample output
85 95	8128