First cubes   P69277_en

Write a program that reads a number n, and prints $0^3, 1^3, \ldots, (n-1)^3, n^3$.

Input

Input consists of a natural number n.

Output

Print a line with $0^3, 1^3, \ldots, (n-1)^3, n^3$. Separate the numbers with commas.

Sample input	Sample output
5	0,1,8,27,64,125

Problem information

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