

# **LOGIC**

Given a sequence of natural numbers.

Find N'th term of this sequence.

a<sub>1</sub>=2, a<sub>2</sub>=4, a<sub>3</sub>=11, a<sub>4</sub>=36, a<sub>5</sub>=147, a<sub>6</sub>=778 ... ... ... a<sub>N</sub>.

## **Input**

Only one natural number  $7 \leq N \leq 20$ .

## **Output**

One natural number. N'th term of the sequence.

## **Example**

**Input:**

10

**Output:**

3629814