Imagine you have a special keyboard with the following keys:

* A: Print one 'A' on the screen.
* Ctrl-A: Select the whole screen.
* Ctrl-C: Copy selection to buffer.
* Ctrl-V: Print buffer on screen appending it after what has already been printed.

Given an integer n, return *the maximum number of*'A'*you can print on the screen with****at most***n*presses on the keys*.

**Example 1:**

**Input:** n = 3

**Output:** 3

**Explanation:** We can at most get 3 A's on screen by pressing the following key sequence:

A, A, A

**Example 2:**

**Input:** n = 7

**Output:** 9

**Explanation:** We can at most get 9 A's on screen by pressing following key sequence:

A, A, A, Ctrl A, Ctrl C, Ctrl V, Ctrl V

**Constraints:**

* 1 <= n <= 50