

651. 4 Keys Keyboard

Description

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:

- $1 \leq n \leq 50$

