This is a [reverse challenge](https://codefights.com/forum/oJpnZsJF5udPgq3Kd). Have fun!

*The title is a big hint.*

* **[time limit] 3000ms (cs)**
* **[input] integer n**

1 ≤ n ≤ 13.

* **[output] integer**

<https://codefights.com/challenge/iF27NtsHGPphqwEfR/main>

static int gamma(int n)

{

int f = 1;

for (int i = 1; i <= n - 1; i++)

{

f \*= i;

}

return f;

}