
Booming Popularity

Lili is a celebrity on a social media called GI. She already has 1 million followers in 3 weeks. Bibi also want to have a lot of followers, then Bibi asked Lili. After Bibi got advice from Lili, her followers doubled everyday. Now Bibi wants to know how many follower Bibi will have after K days from now if she has N follower today.

Format Input

The input consist of two integer N and K, described above.

Format Output

Output one integer representing how many follower Bibi has after K days.

Constraints

$1 \leq N \leq 128$

$1 \leq K \leq 30$

Sample Input	Sample Output
7 3	56