

Game Tournaments

Bibi with her team Aqueous compete in the biggest tournament in history. Bibi will face N team in group stage. Bibi wants to know how many possible outcomes that team Aqueous win at least once.

Format Input

Given 1 line consists of 1 integer N - number of teams that Aqueous will face.

Format Output

Output 1 number that describe all possible outcomes that team Aqueous win at least once.

Constraints

• 1 < N < 50

Sample Input 1 (standard input)

1

Sample Output 1 (standard output)

1

Sample Input 2 (standard input)

2

Sample Output 2 (standard output)

3

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Sample Input 3 (standard input)

3

Sample Output 3 (standard output)

Explanation

Assume that W is symbol for win and L for lose. Then, for Sample Test Case 2, there are 7 possible outcomes:

- LLL
- LLW
- LWL
- LWW
- WLL
 - WLW
 - WWL
 - WWW

Note

You can use bitwise operator to solve this problem.

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Bibi bersama dengan tim Aqueous mengikuti turnamen terbesar dalam sejarah. Bibi dan timnya akan berhadapan dengan N tim di $group\ stage$. Bibi ingin tahu ada berapa banyak kemungkinan tim Aqueous menang setidaknya satu kali dalam $group\ stage$.

Format Input

Diberikan 1 baris yang terdiri dari 1 buah integer N yaitu jumlah tim musuh yang akan dihadapi oleh tim Aqueous.

Format Output

Output yang dikeluarkan hanya berupa 1 buah angka yang menyatakan berapa banyak kemungkinan tim Aqueous menang setidaknya satu kali dalam group stage.

Constraints

• $1 \le N \le 50$

Sample Input 1 (standard input)

Sample Output 1 (standard output)

Sample Input 2 (standard input)

2

1

Sample Output 2 (standard output)

3

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Sample Input 3 (standard input)

3

Sample Output 3 (standard output)

7

Explanation

Asumsikan W adalah simbol menang dan L untuk kalah. Maka, untuk 3 musuh dalam group stage, seperti pada Sample Test Case 2, terdapat 7 buah kemungkinan yang mungkin terjadi:

- LLL
- LLW
- LWL
- LWW
- WLL
- WLW
- WWL
- WWW

Note

Anda dapat menggunakan bitwise operator untuk menyelesaikan soal ini.

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