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Generate Balanced Parenthesis – easy version





? Ask Doubt

 Time-Limit: 1 sec

 Score: 1.00/100

Difficulty : 

 Memory: 256 MB

 Accepted Submissions: 100

Relevant For:

AZ-201

Description

You have given a positive even integer n . Your task is to print all balanced parenthesis of length n in lexicographic order (https://en.wikipedia.org/wiki/Lexicographic_order).

Balanced parentheses mean that each opening symbol has a corresponding closing symbol and the pairs of parentheses are properly nested.

Input Format

The only line of input contains a number n .

Output Format

Print all balanced parenthesis of length n in lexicographic order.

Constraints

$2 \leq n \leq 24$
It is guaranteed that n is even.

Sample Input 1

 Copy

```
2
```

Sample Output 1

 Copy

```
()
```

Sample Input 2

 Copy

```
4
```

C++14[GCC] ▾



1

Submit