
Bars (1)

P62467_en

Write a program that reads a natural number n , and prints $2^n - 1$ bars of asterisks, following the pattern that can be deduced from the examples.

Input

Input consists of a natural number $n > 0$.

Output

Print $2^n - 1$ lines, following the pattern that can be deduced from the examples.

Sample input 1

1

Sample input 2

2

Sample input 3

3

Sample input 4

4

Sample output 1

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Sample output 2

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Sample output 3

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Sample output 4

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Problem information

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