



✓ RecursionPath09 - Power N

Java May'19 DSA Recursion 1 - 2 days 13:42:30

Given base and n that are both 1 or more, compute recursively (no loops) the value of base to the n power, so powerN(3, 2) is 9 (3 squared).

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Input

On the first line you will be given the base(b). On the second line you will be given the power(n).

Output

On the only output line you should print the result of b to the power of n.

Constraints

$b > 0$, $n > 0$

Sample tests

Input

```
3
1
```

[Copy](#)

Output

```
3
```

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✓ **Points:** 100
(partial)
⌚ **Time limit:** 0.5s
📄 **Memory limit:**
64M
✍ **Author:**
[stelyan](#)

🏷 **Tags**
Recursion
⬆ **Difficulty**
Easy



3
2

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Output

9

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? Clarifications

No clarifications have been made at this time.