50. Pow(x, n)

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Question | Editorial Solution

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Implement pow(*x*, *n*).

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Python   ▾   ⟳   </>

```
 1  class Solution(object):
 2      def myPow(self, x, n):
 3          """
 4          :type x: float
 5          :type n: int
 6          :rtype: float
 7          """
 8          def pow(x,n):
 9              if n==0:
10                  return 1
11              elif n<0:
12                  n=-n
13                  x=1/x
14              while n!=0:
15                  if n%2==0:
16                      return pow(x*x,n/2)
17                  else:
18                      return x*pow(x*x,n/2)
19          return pow(x,n)
20
21
```

Custom Testcase ☐

Contribute Testcase ❓

Run Code | Submit Solution

Notes

Run Code Status: Finished

Run Code Result: ✕

Your input

```
8.88023
3
```

Your answer

```
700.28148
```

Expected answer

```
700.28148
```

Show Diff

Runtime: 52 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (/faq/#different-output) out.