

```
1  class Solution {
2  public:
3      double myPow(double x, int n) {
4          double powX;
5
6          if (n == 0)
7          {
8              return 1.0;
9          }
10         else if (n == 1)
11         {
12             return x;
13         }
14         else if (n < 0) {
15             x = 1 / x;
16             n = abs(n);
17         }
18
19         powX = myPow(x, n / 2);
20         if (n % 2 == 0)
21         {
22             return powX * powX;
23         }
24         else
25         {
26             return x * powX * powX;
27         }
28     }
29 };
```