Pow(x,n)

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Question: Implement pow(x, n).
For Example: pow(3,2) returns 9
Solutions:
class Solution:
  # @param x, a float
  #@param n, a integer
  #@return a float
  def pow_recursive(self, x, n):
    if n==0:
      return 1
    if n<0:
      return 1.0/self.pow_recursive(x,-n)
    if n%2==1:
      return x*self.pow_recursive(x*x,int(n/2))
    else:
      return self.pow_recursive(x*x,int(n/2))
  #@param x, a float
  #@param n, a integer
  #@return a float
  def pow_iterative(self, x, n):
    result=1
    if n<0:
      n=-n
      flag=1
```

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else:
flag=0
while n>0:
if n%2==1:
result=result*x
x=x*x
n/=2
if flag==0:
return result
else:
return 1.0/result

Solution().pow_recursive(3.0,2)
```