class Solution {

public double myPow(double x, int n) {

if(n< 0)

return 1.0/ result(x,Math.abs(n));

return result(x , n);

}

public double result(double x, int n){

if(n==0) return 1;

if(n==0) return x;

if(n % 2 ==0)

return result(x\*x,n/2); // for even exponenet

return x \* result(x\*x,n/2); // for odd exponent

}

}