

- 算法思路：利用二分法求解非负整数的整数平方根
- LeetCode运行结果：

Runtime: 20 ms, faster than 78.79% of Python online submissions for Sqrt(x).

Memory Usage: 13.4 MB, less than 37.44% of Python online submissions for Sqrt(x).

- 运行代码：

```
class Solution(object):
    def mySqrt(self, x):
        """
        :type x: int
        :rtype: int
        """
        if x < 2:
            return x
        l, r = 2, x // 2
        while l <= r:
            mid = l + (r - l) // 2
            if mid * mid <= x:
                l = mid + 1
            else:
                r = mid - 1
        return l - 1
```