69. Sqrt(x)

题目描述：**https://leetcode.com/problems/sqrtx/**

> 给定一个数，求这个数开根号的结果。不能用sqrt()

解题思路：

二分查找

代码：

```cpp
class Solution {
public:
    int mySqrt(int x) {
        if(x == 0)
            return 0;
        if(x == 1)
            return 1;
        int l = 0, r = x, m;
        while (l <= r) {
            m = l + (r - l) / 2;
            if (m > x / m) {
                r = m - 1;
            }
            else if (m < x / m) {
                l = m + 1;
            }
            else {
                return m;
            }
        }
        return r;

    }
};
```