一、题目说明

题目152. Maximum Product Subarray,给一列整数,求最大连续子序列,其乘积最大。难度是Medium!

二、我的解答

这个题目,用双重循环就可以了。

```
class Solution{
    public:
        int maxProduct(vector<int>& nums){
             if(nums.size()<=1) return nums[0];</pre>
             product = INT_MIN;
             int len = nums.size();
             for(int i=0;i<len;i++){</pre>
                 int p = nums[i];
                 if(p>product) product = p;
                 for(int t=i+1;t<len;t++){</pre>
                     p *= nums[t];
                     if(p>product) product = p;
             }
             return product;
    private:
        int product;
};
```

性能如下:

```
Runtime: 200 ms, faster than 6.16% of C++ online submissions for Maximum Product Subarray.

Memory Usage: 9.1 MB, less than 82.50% of C++ online submissions for Maximum Product Subarray.
```

三、优化措施

仔细再读读题目,一列整数,上述方法太"通用",一次循环就可以了。

Runtime: 16 ms, faster than 9.45% of C++ online submissions for Maximum Product Subarray.

Memory Usage: 9.1 MB, less than 75.00% of C++ online submissions for Maximum

Product Subarray.