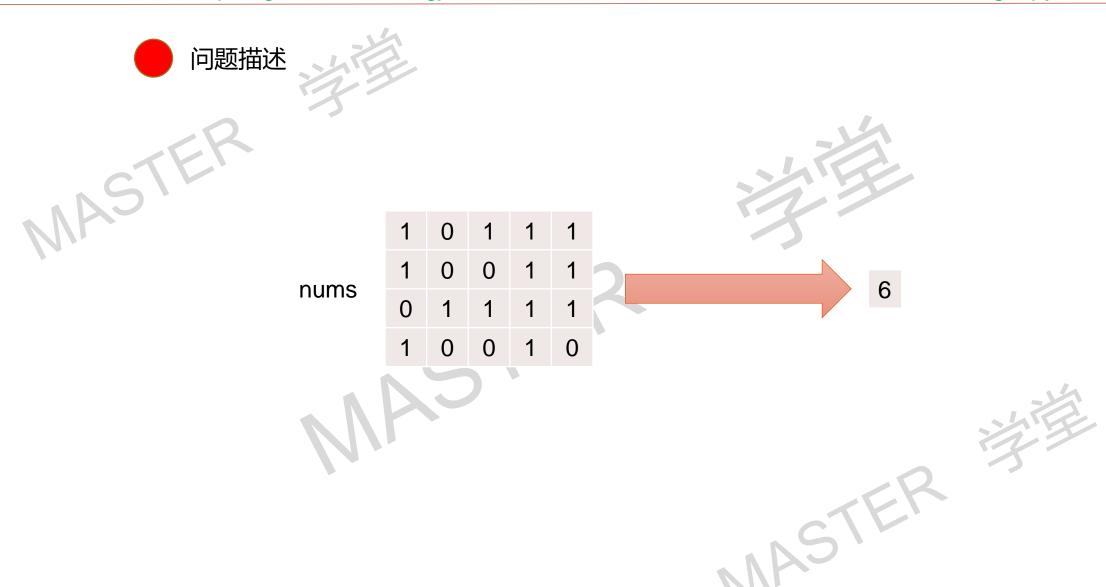
## 最大矩形

https://github.com/sangjianshun/Master-School/blob/master/maximalRectangle.py



## 最大矩形

问题求解: 动态规划

包含当前层当前位置最大矩形的左、右、高(不考虑当前层的下面层)

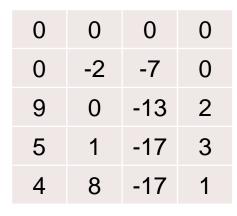
nums

1	0	1	1	1
1	0	0	1	1
0	1	1	1	1
1	0	0	1	0

dpL	0	0	0	0	0
dpR	4	4	4	4	4
dpH	0	0	0	0	0

## 最大子矩阵





辅助数组减少了 大量的重复计算

```
dp[4]-dp[1]
   dp[2]-dp[1]
                          dp[3]-dp[1]
                                -10
9
          -6
               2
                                                       -10
                            -2
                                                   -2
     -2
         -7 0
                                                       -6
         -6
                        9
                                -6
                                -4
                                0
9
          5
                                                             5
```

```
for i in range(1,self.m+1):
    for j in range(i,self.m+1):
        tmp = 0
        for k in range(self.n):
        tmp+=(dp[j][k]-dp[i-1][k])
        if tmp<=0:
            tmp=0
        else:
            if tmp>res:
            res = tmp
```