

## 动态规划：740. 删除并获得点数

```
1 class Solution {
2 public:
3     int deleteAndEarn(vector<int>& nums) {
4         const int n = 10001;
5         unordered_map<int,int> arr(n);
6         for(auto e : nums)
7         {
8             arr[e] += e;
9         }
10        // for(auto i : arr)
11        // {cout << i.second <<" ";}
12
13        // int arr[n] = {0};
14        // for(auto x : nums) arr[x] += x;
15
16
17        vector<int> f(n);
18        auto g = f;
19        f[0] = arr[0];
20        for(int i = 1;i < n;i++)
21        {
22            f[i] = g[i-1] + arr[i];
23            g[i] = max(f[i-1],g[i-1]);
24        }
25        return max(g[n-1],f[n-1]);
26    }
27 };
```