

575. Distribute Candies

APPROCH ->

1 ladki jo ki $n/2$ candies kha sakatai hai wo jayada se jayada alag type ki candies khana chahati hai

Agar mere pass 2 type ki candi aur ladki ki capacity 3 hai to ladki dono type kha sakti hai

Agar mere pas 4 type hai aur ladki ki capacity 2 hai to wo maximum 2 candy kha sakti hai

In general-> agar ladki ki capacity candy se jayda jayad hai to ladki sari candy kha jayegi matlab no of diff candy return kardo

Agar capacity kam hai aur candy jada matlab apni capacity jitna hi kha sakti hai to matlab capacity return kardo;



```
1  class Solution {
2  public:
3      int distributeCandies(vector<int>& candyType) {
4          set<int> ans;
5          int n=candyType.size();
6          for(int i=0;i<n;i++){
7              ans.insert(candyType[i]);
8          }
9          if(n/2>ans.size()){
10             return ans.size();
11         }else{
12             return n/2;
13         }
14     }
15 }
16
17 };
```