Problem 1 : Equal Candies

N boxes

Ni box = ai candies

Implementasi :   
4 box, box a, box b, box c, box d.  
box a = 1c  
box b = 2c  
….

4f

Yang dimakan = (box b – box a) + (box c – box a) + (box d – box a) + (box a – box a) = 6 permen

Input :   
line pertama Jumlah test case  
line kedua Jumlah box yang kita punya  
line ketiga jumlah permen setiap box

Output :   
yang dimakan  
SC:

|  |
| --- |
| #*include* <bits/stdc++.h>  using namespace std;  #*define* *LL* long long  #*define* *FOR*(i, n) *for* (*LL* i = 0; i < n; i++)  typedef vector<*LL*> vi;  void *solve*(){  *LL* n;      cin *>>* n;      vi *num*(n);  *FOR*(i,n) cin *>>* num*[*i*]*;  *sort*(num.*begin*(),num.*end*());  *LL* sum=0;  *for*(*LL* i = 0; i<n; i++){          sum+=(num*[*i*]*-num*[*0*]*);      }      cout *<<* sum *<<* "\n";  }  int *main*(){      ios\_base::*sync\_with\_stdio*(0); cin.*tie*(0);      int t=1;      cin *>>* t;  *while*(t--)*solve*();  *return* 0;  } |

Problem 2 : Slime Gluttony

n = makhluk yang akan diserap

c[i] = energy |v[i] = Power

G = Energy

Input :

1. n = makhluk yang akan diserap
2. c[i] = required energy |v[i] = Power
3. G = Energy

Output : Total Power

SC :

|  |
| --- |
| #*include* <bits/stdc++.h>  using namespace std;  #*define* *LL* long long  typedef vector<*LL*> vi;  int *SlimeGluttony*(vi v, vi c, int g, int start){      int sum = 0;  *for* (int i = start; i <v.*size*(); i++){          int cv = 0;  *if* (g-c*[*i*]* >= 0 ){              cv+= v*[*i*]* +*SlimeGluttony*(v, c, g-c*[*i*]*, i+1);          } *else*{              cv += *SlimeGluttony*(v, c, g-c*[*i*]*, i+1);          }          sum = *max*(cv,sum);      }  *return* sum;  }  void *solve*() {      int n;      cin *>>* n;      vi *v*(n), *c*(n);  *for* (int i = 0; i<n; i++){          cin*>>* c*[*i*]* *>>* v*[*i*]*;      }      int g;      cin*>>*g;      cout*<<SlimeGluttony*(v, c, g, 0);  }  int *main*() {  *solve*();  *return* 0;  } |

Problem 3 : All Distinct (<https://vjudge.net/problem/CodeForces-1692B>)

Rule :

1. Isi array tidak boleh sama
2. Array akan dihapus indexnya sampai tidak ada yang sama lagi dalam array

Input :

1. Test case
2. Jumlah Array
3. Isi Array

Output : Panjang array (l)

SC :

|  |
| --- |
| ;  #*include* <bits/stdc++.h>  using namespace std;  #*define* *LL* long long  #*define* *ull* unsigned long long  #*define* *pb*(x) *push\_back*(x)  #*define* *f* first  #*define* *s* second  #*define* *mp*(x,y) *make\_pair*(x,y)  #*define* *FOR*(i, n) *for* (*LL* i = 0; i < n; i++)  #*define* *INF* 10e9+7  #*define* *gcd* *\_\_gcd*  typedef pair<*LL*,*LL*> ii;  typedef vector<*LL*> vi;  void *solve*(){  *LL* n;      cin*>>*n;      map<*LL*,*LL*> freq;  *FOR*(i,n){  *LL* temp;          cin *>>* temp;          freq *[*temp*]*++;      }  *LL* sum=0, cnt=0;  *for*(auto j:freq){  *if*(j.*s*%2==1)sum++;  *else* cnt++;      }  *if* (cnt%2!=0)cnt--;      cout*<<*sum+cnt*<<*"\n";  }  int *main*(){      ios\_base::*sync\_with\_stdio*(0); cin.*tie*(0);      int t=1;      cin*>>*t;  *while*(t--)*solve*();  *return* 0;  } |

Telegram : @evetixx