<https://www.hackerrank.com/challenges/crush>

#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

using namespace std;

int main() {

long int N,K,p,q,sum,i,j,max=0,x=0;

cin>>N>>K;

long int \*a=new long int[N+1]();

for(i=0;i<K;i++)

{

cin>>p>>q>>sum;

a[p]+=sum;

if((q+1)<=N) a[q+1]-=sum;

}

for(i=1;i<=N;i++)

{

x=x+a[i];

if(max<x) max=x;

}

cout<<max;

return 0;

}

<https://www.hackerrank.com/challenges/dynamic-array/problem>

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

int main() {

int N;

int Q;

int t, x, y;

int seq;

int lastAnswer = 0;

int \*\*seqList;

int \* seqCount;

int index;

scanf("%i", &N);

seqList = malloc(N\*sizeof(int \*));

seqCount = malloc(N\*sizeof(int));

for(int i = 0; i < N; i++)

seqCount[i] = 1;

scanf("%i", &Q);

for(int i = 0; i < Q; i++){

scanf("%i %i %i", &t, &x, &y);

if(t==1){

seq = ((x^lastAnswer)%N);

seqList[seq] = realloc(seqList[seq],seqCount[seq]\*sizeof(int));

seqList[seq][seqCount[seq]-1] = y;

seqCount[seq]++;

}else

{ seq = ((x^lastAnswer)%N);

index = y%(seqCount[seq]-1);

lastAnswer = seqList[seq][index];

printf("%i\n", lastAnswer);

}

}

for(int i = 0; i < N; i++)

free(seqList[i]);

free(seqList);

free(seqCount);

/\* Enter your code here. Read input from STDIN. Print output to STDOUT \*/

return 0;

}