**2 fen**

**#include<cstdlib>**

**#include<cstdio>**

**#include<cstring>**

**#define MaxN 1000010**

**#define MaxM 1000010**

**using namespace std;**

**int N,M,L,R,Mid;**

**int r[MaxN];**

**int d[MaxM],s[MaxM],t[MaxM];**

**long long Delta[MaxN];**

**int Check(int CheckAns)**

**{**

**memset(Delta,0,sizeof(Delta));**

**for (int i=1;i<=CheckAns;i++)**

**{**

**Delta[s[i]]+=d[i];**

**Delta[t[i]+1]-=d[i];**

**}**

**long long cnt=0;**

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

**{**

**cnt+=Delta[i];**

**if (cnt>r[i]) return 0;**

**}**

**return 1;**

**}**

**int main()**

**{**

**scanf("%d%d",&N,&M);**

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

**scanf("%d",&r[i]);**

**for (int i=1;i<=M;i++)**

**scanf("%d%d%d",&d[i],&s[i],&t[i]);**

**L=0;R=M+1;**

**while (L+1<R)**

**{**

**Mid=(L+R)/2;**

**if (Check(Mid))**

**L=Mid;**

**else**

**R=Mid;**

**}**

**if (L==M) puts("0");**

**else printf("-1\n%d\n",L+1);**

**return 0;**

**}**

**2 fen**

**#include<cstdio>**

**#include<algorithm>**

**using namespace std;**

**int a[100001],i,j,n,m,l=-1,r=20000001,mid;**

**bool pd(int d)**

**{**

**int j=1,range;**

**for (i=1;i<=m;i++)**

**{**

**range=a[j]+d;**

**while (a[j]<=range)**

**if (++j>n) return 1;**

**}**

**return 0;**

**}**

**int main()**

**{**

**scanf("%d%d",&m,&n);**

**for (i=1;i<=n;i++)**

**scanf("%d",&a[i]);**

**sort(a+1,a+1+n);**

**while (r-l>1)**

**if( pd( mid=(l+r)/2 ) ) r=mid;**

**else l=mid;**

**printf("%.1f",r/2.0);**

**return 0;**

**}**