#include <stdio.h>

long long arr[10000005];

long long diff[10000005];

int main(void)

{

int a,b,k,n,m,i;

long long max,val;

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

while(m--)

{

scanf("%d%d%d",&a,&b,&k);

if(a==1)

{

arr[1] += k;

if(b<n)

diff[b] -= k;

}

else if(b<n)

{

diff[a-1] += k;

diff[b] -= k;

}

else if(b==n)

diff[a-1] += k;

}

max = arr[1];

val = arr[1];

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

{

val += diff[i];

if(val > max)

max = val;

}

printf("%lld\n",max);

return 0;

}