### Yoga Class

On the occasion of Yoga Day, the only yoga instructor in Chefland, Chef, has received numerous queries.  
Chef has managed to free up NN hours from his busy schedule to conduct yoga sessions. There are two types of sessions that Chef offers:

* Type 11 session, which lasts 11 hour, and earns Chef XX rupees.
* Type 22 session, which lasts 22 hours, and earns Chef Y (Y>X)Y (Y>X) rupees.

Find the **maximum** amount of money Chef can earn in NN hours.

### Input Format

* The first line of input will contain a single integer TT, denoting the number of test cases.
* Each test case consists of three space-separated integers N,X,YN,X,Y — the number of hours for which Chef will take yoga sessions, price of type 11 session, and price of type 22 session respectively.

### Output Format

For each test case, output on a new line, the **maximum** amount of money Chef can earn in NN hours.

### Constraints

* 1≤T≤10001≤T≤1000
* 1≤N≤10001≤N≤1000
* 1≤X<Y≤1001≤X<Y≤100

### Sample 1:

Input

Output

3

4 5 7

3 1 2

5 2 6

20

3

14

### Explanation:

**Test case** 11**:** Chef will take type 11 sessions for all 44 hours. Thus, in 44 hours, he can take 44 sessions earning a total of 4⋅5=204⋅5=20 rupees.

**Test case** 22**:** Chef will take one session of type 11 and one session of type 22. Thus, in 33 hours, he earns a total of 1⋅1+1⋅2=31⋅1+1⋅2=3 rupees.

**Test case** 33**:** Chef will take one session of type 11 and two sessions of type 22. Thus, in 55 hours, he earns a total of 1⋅2+2⋅6=141⋅2+2⋅6=14 rupees.

More Info

Time limit1 secs

Memory limit1.5 GB

Source Limit50000 Bytes

#include <bits/stdc++.h>

using namespace std;

#ifdef ONLINE\_JUDGE

#define dbg(...)

#else

#include "Assets/debug.h"

#endif

#define int long long

#define ll long long

#define endl '\n'

#define ff first

#define ss second

#define ins insert

#define pb push\_back

#define ppb pop\_back

#define sz(x) (int)(x).size()

#define all(x) x.begin(), x.end()

#define rep(i,a,b) for(int i=a; i<b; ++i)

#define rrep(i,a,b) for(int i=a; i>=b; --i)

#define yn(f) f? cout<<"YES\n":cout<<"NO\n"

#define FAST (ios\_base::sync\_with\_stdio(false), cin.tie(nullptr));

ll pow(ll x,ll y,ll m=1e9+7) {ll ans=1;x%=m;while(y){if(y&1)ans=(ans\*x)%m;x=(x\*x)%m;y>>=1;}return ans;}

void solve()

{

int n,x,y;

cin>>n>>x>>y;

int ans;

if(2\*x>=y) ans=n\*x;

else

{

ans = n/2\*y;

if(n&1) ans+=x;

}

cout<<ans<<endl;

}

signed main()

{

FAST;

int TCS = 1;

cin >> TCS;

for (int TC = 1; TC <= TCS; ++TC)

{

// cout<<"Case "<<TC<<": ";

solve();

}

}