```
/*********   dfs 2d map  ******/
#include <iostream>
#include <cstdio>
#include <stack>
#include <queue>
#include <vector>
#include<algorithm>
#include<math.h>
#include<utility>
#include<map>
#include<set>
#include <string.h>
#include <iomanip>

using namespace std;
#define ll long long int
#define inf 10000000

#define mod 1000000007

ll val[1000000];
map <ll, ll> m[1000000];
vector < ll > v[1000000];
ll len[1000000];
ll vis[1000000];

ll ans;

void dfs(ll a,ll lenn)
{
    ll p,i,j,sum,pl;

     vis[a]=1;

     for(i=0;i<len[a];i++)
     {
         p=v[a][i];

         if(vis[p]==1)
            continue;

         sum=lenn+ m[a][p];
         pl=m[a][p];
         sum=max(pl,sum);
         if(sum>val[p])
         {
             //dfs(p,lenn);

         }
         else
            3
            {
                ans++;
                //cout<<p<<endl;
             dfs(p,sum);

         }

```

```
59.
60.
61.      }
62.
63.
64.
65.
66.
67. }
68.
69. int main()
70. {
71.    ll n,i,j,x,y,sum,p,r,q;
72.    cin>>n;
73.    for(i=1;i<=n;i++)
74.     scanf("%I64d",&val[i]);
75.    ans=0;
76.
77.    for(i=1;i<=n-1;i++)
78.    {
79.        scanf("%I64d%I64d",&x,&sum);
80.        y=i+1;
81.
82.        v[y].push_back(x);
83.        v[x].push_back(y);
84.        len[x]++;
85.        len[y]++;
86.        m[x][y]=sum;
87.        m[y][x]=sum;
88.     }
89.     ans++;
90.    dfs(1,0);
91.
92.
93. cout<<n-ans;
94.
95. }
```