#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

using namespace std;

int main() {

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

int n,k;

cin>>n>>k;

int a[n],cost=0,v[n]={0},n1,n2;

for(int i=0;i<n;i++) cin>>a[i];

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

cin>>n1>>n2;

if(v[n1-1]==0 && v[n2-1]==0 ){

if(a[n1-1]>a[n2-1]){

cost+=a[n2-1];

}

else

{cost+=a[n1-1];}

v[n1-1]=1;

v[n2-1]=1;

}

else{

if(v[n2-1]==0 && v[n1-1]==1)

v[n2-1]=1;

else

v[n1-1]=1;

}

}

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

if(v[i]==0){

cost+=a[i];

}

}

cout<<cost;

return 0;

}