Week 3 Programming Assignment - Frog Jumping

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#include<bits/stdc++.h>
using namespace std;
const int N=1e5;
vector<int> adj[N];
int m,n;
int vis[N];
int lvl[N];
void bfs(int u){
queue<int>q;
lvl[u]=0,vis[u]=1;
q.push(u);
while(!q.empty()){
int u=q.front();
q.pop();
for(int i: adj[u]){
if(not vis[i]){
lvl[i]=1+lvl[u];
vis[i]=1;
q.push(i);
}
}
}
}
int main(){
ios::sync_with_stdio(false);
cin.tie(NULL);
cin>>m>>n;
int count=0;
```

```
for(int i=1;i<=m*n;++i){
int a;
cin>>a;
if((i-1)%n==0)count++;
for(int j=i+1;j<=i+a and j<=count*n;++j)
adj[i].push_back(j);
}
 for(int i=1;i<=m*n;++i){
int a;
cin>>a;
for(int j=i;j+n<=n*m and a;j+=n,a--)
adj[i].push_back(j+n);
}
bfs(1);
cout<<lvl[n*m]<<endl;
return 0;
}
```