Problem Link:

<https://leetcode.com/problems/minimum-number-of-people-to-teach/description/?envType=daily-question&envId=2025-09-10>

Solution:

class Solution {

public:

int minimumTeachings(int n, vector<vector<int>>& languages, vector<vector<int>>& friendships) {

int m = languages.size();

vector<set<int>> l(m);

for(int i = 0; i < m; ++i)

{

for(int x : languages[i])

{

l[i].insert(x);

}

}

set<int> s;

for(auto& p : friendships)

{

int u = p[0] - 1;

int v = p[1] - 1;

bool f = false;

for(int x : l[u])

{

if(l[v].count(x))

{

f = true;

break;

}

}

if(!f)

{

s.insert(u);

s.insert(v);

}

}

int mt = INT\_MAX;

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

{

int c = 0;

for(int e : s)

{

if(!l[e].count(i))

{

++c;

}

}

mt = min(mt, c);

}

return mt;

}

};