<https://www.hackerrank.com/challenges/the-grid-search>

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

class Solution

{

static void Main(String[] args)

{

int t = Convert.ToInt32(Console.ReadLine());

for (int a0 = 0; a0 < t; a0++)

{

string[] tokens\_R = Console.ReadLine().Split(' ');

int R = Convert.ToInt32(tokens\_R[0]);

int C = Convert.ToInt32(tokens\_R[1]);

string[] G = new string[R];

for (int G\_i = 0; G\_i < R; G\_i++)

{

G[G\_i] = Console.ReadLine();

}

string[] tokens\_r = Console.ReadLine().Split(' ');

int r = Convert.ToInt32(tokens\_r[0]);

int c = Convert.ToInt32(tokens\_r[1]);

string[] P = new string[r];

for (int P\_i = 0; P\_i < r; P\_i++)

{

P[P\_i] = Console.ReadLine();

}

bool encontro = false;

for (int i = 0; i < G.Length && !encontro; i++)

{

int indice\_col = G[i].IndexOf(P[0]);

if (indice\_col > -1)

{

while (indice\_col > -1 && !encontro)

{

int j = 0;

for (j = 0; j < P.Length; j++)

{

// Console.WriteLine(G[i + j].Substring(indice\_col, P[j].Length) + " " + P[j]);

if (G[i + j].Substring(indice\_col, P[j].Length) != P[j])

{

break;

}

}

if (j == P.Length)

{

encontro = true;

Console.WriteLine("YES");

break;

}

indice\_col = G[i].IndexOf(P[0], indice\_col + 1);

// Console.WriteLine();

}

}

if (!encontro && i + P.Length >= G.Length)

{

Console.WriteLine("NO");

break;

}

}

}

}

}