#include <iostream>

using namespace std;

int main()

{int adj[10][10],i,j,k,n,flag=0;

cout<<"Enter the number of nodes"<<endl;

cin>>n;

cout<<"Enter the adjacency matrix"<<endl;

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

{

for(j=0;j<n;j++)

cin>>adj[i][j];

}

for(k=0;k<n;k++)

{

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

{

for(j=0;j<n;j++)

{

adj[i][j]=(adj[i][j] or (adj[i][k] and adj[k][j]));

}

}

}

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

{

for(j=0;j<n;j++)

{

if(adj[i][j]!=1)

flag=1;

}

}

if(flag==0)

cout<<"There is a path from every node to every other node"<<endl;

else

cout<<"There is no path from every node to every other node"<<endl;

return 0;

}