

Iterative Deepening Depth-First Search class Graph: function\_init\_ (vertices): y=vertices
graph = {i:[] for i in vange (vertice)} function add\_edges (u,v):
graph [w]. append (v) function dls (src, target, limit):

if src == target:

return True for neighbour in graph [evc]:

If dls(neighbor, target, limit-1):

return (nue return False function iddts (src, target, max\_depth):
for depth in range (0, max\_depth):
if dls (src, target, depth):
return True return False

