

dijestras input will be source label 5,6 N=len(G) tentative\_distance = [np.inf]\*N nums: hp. arange (0, N) risited=[] smallest t-d among unvisited is o t-d[s] = 0. current = 5 utile len(visited) != N:

d-d={}

for n in nums: if G[wrent][n]!=0 and n not in visited: if t\_d[n] > t\_d[arrent]+6[arrent][n]: t\_d[n]=t\_d[wrrent]+6[unrent][n] d-d[t-d[n]] = nVisited. append (corrent) current = d-d[min(d-d.keys())] min-unvisited = np.inf for n in nums:

if n in visited:

continue

else:

nin\_unisited = t\_d[n]

if min-vuvisited == np-inf: current = næighbours[0][0] tup = næighbours[0][1] tup = næighbours[0][1] for j in rænge(læn[næighbours)): if neighbours[j][1] < tmp: current = neighbours[j][0] tmp=neighbours[j][1]

