DAlgorithm: Given a graph, and a starting vertex s.

Create a set S=25 (will contain vertices)

Assign each vertex a distance of a except d[s]=0.

Create a list of predecessors, of site V all NVU.

Thes:

Choose a verkx x of min dist. which is not in S.

w(xy) = edge weight

Put it in S

Fir all y adjacent to x:

il d[x]+w(x,y) < d[y]:

(4.4) + [x] = [6] P

p[y] = x

ent if

end for

Repeat until S has all vertices.



