SPEEDING UP DIJSKSTRA

Instrolone() = d[o]=> d[u*s]=>

Q < v[G]

while Q & & (stop if u=t)

do u < Exritat-hin(Q)

for eour ventex ve Adj[u]

d[v]

do n=lax(u,v,vo)

Directional-Searce

Atternate forward search from S backward search from t (Collowing calpes backward)

de lu J: distoure for bockword search

Priority Queues: Qf: forward

Qb: beekword

a: what is the termination condition?

Some vertex a has been precessed both in the forward search & backward search.

Deleted from both Qf & Qb.

a! How do we find the shortert poth from 9 to E?

Chaim: If we was processed first from both Qf, Qb then find substert-poth using Tf from 8 to w find s-p using Tb from + tow Chaelwards)

