Shortest Paths in DAGs

```
DAGSHORTESTPATHS (G,s):
topologically sort the nodes of G
// Initialization
foreach node v in G
  d(v) = \infty
 pred(v) = null
d(s) = 0
foreach node u in G in topological order
   foreach neighbor v of u
      // Relax (u, v)
      if d(v) > d(u) + w(u,v)
         d(v) = d(u) + w(u,v)
        pred(v) = u
return pred
```













