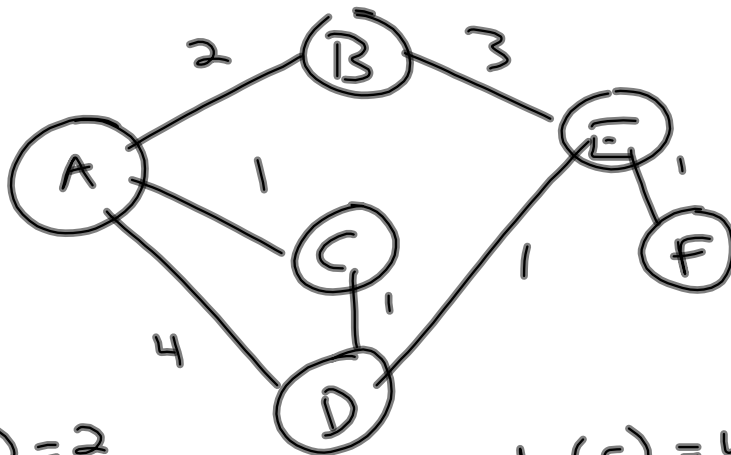


Dijkstra's alg. - Link State

Distance Vector

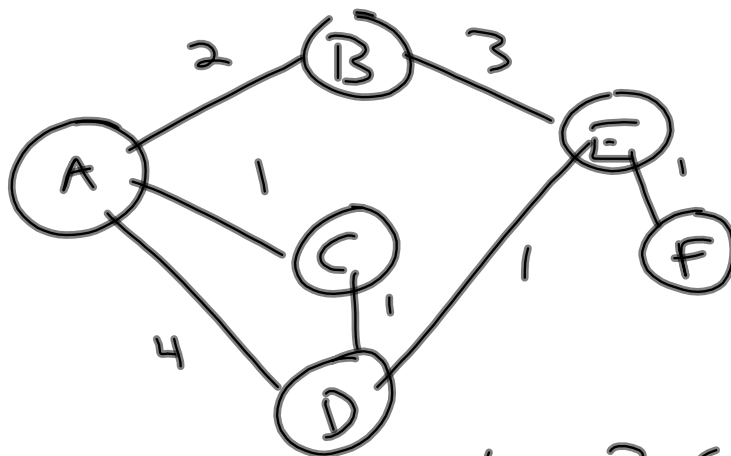
- each router knows its connections
- cost Router x to neighbor y $c(x,y)$
- non-neighbor v
estimate of distance $d_y(v)$

$$d_x(v) = \min_y \{ c(x,y) + d_y(v) \}$$



$$\begin{aligned} c(A,B) &= 2 \\ c(A,C) &= 1 \\ c(A,D) &= 4 \end{aligned}$$

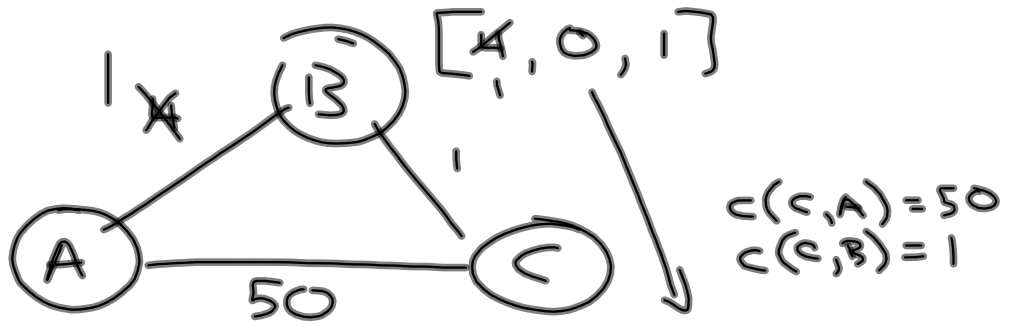
$$\begin{aligned} d_B(F) &= 4 \\ d_C(F) &= 3 \\ d_D(F) &= 2 \end{aligned}$$



A sends dist. vec. to B, C, D
 $[0, 2, 1, 4, \infty, \infty]$

B's dist vector
 $[2, 0, \frac{3}{A}, \frac{6}{A}, 3, \infty]$

B sends dist vect. to A, E



~~[5, 1, 0]~~

B
8
[6, ...]
d_c [

