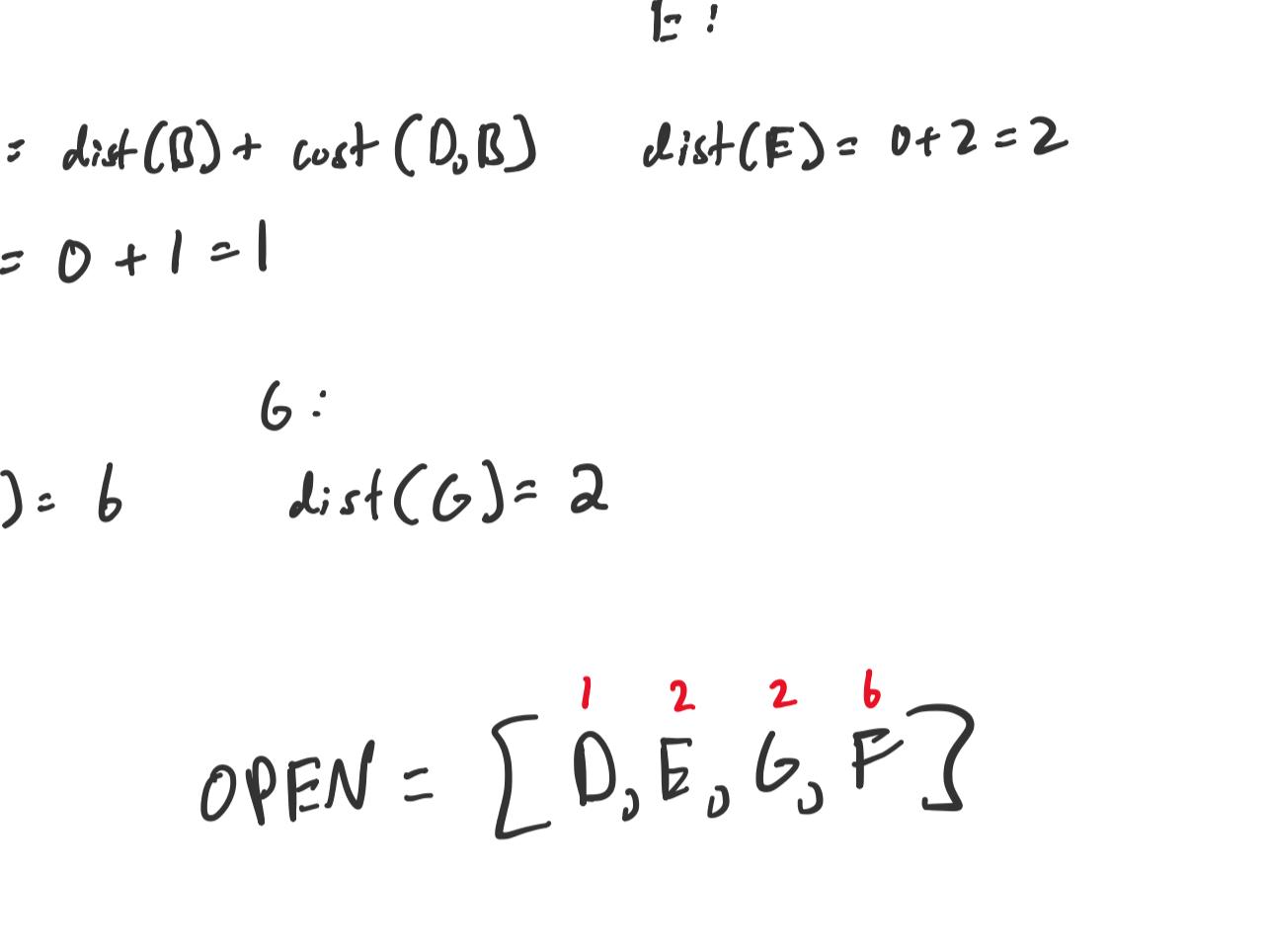


Notes:

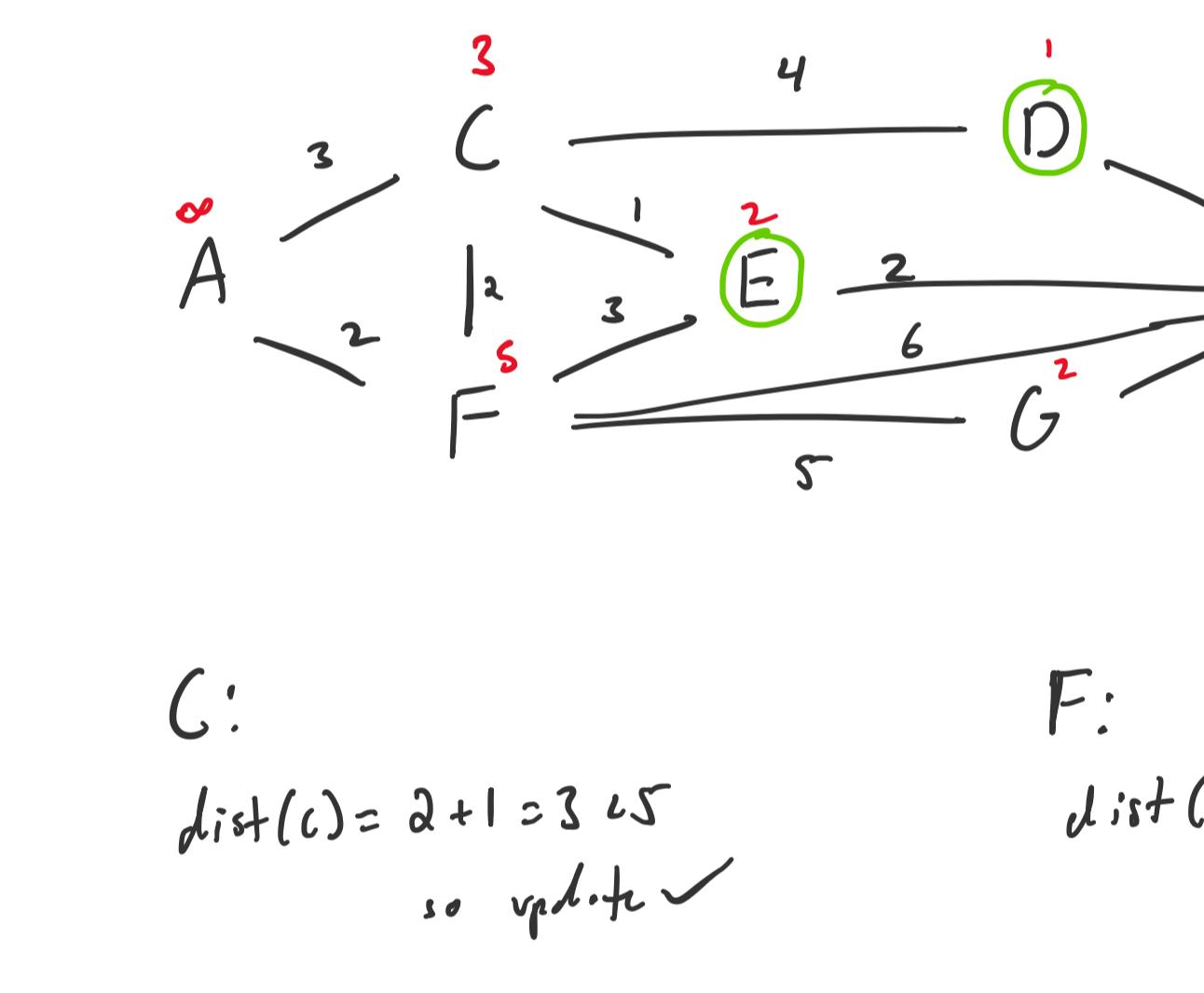
1. Works in reverse from goal to start
2. distance (n) - shortest distance from goal to vertex n
3. OPEN - priority queue of nodes to be processed
4. Predecessor - Previous node in the optimal path

Step 1 - Initialize

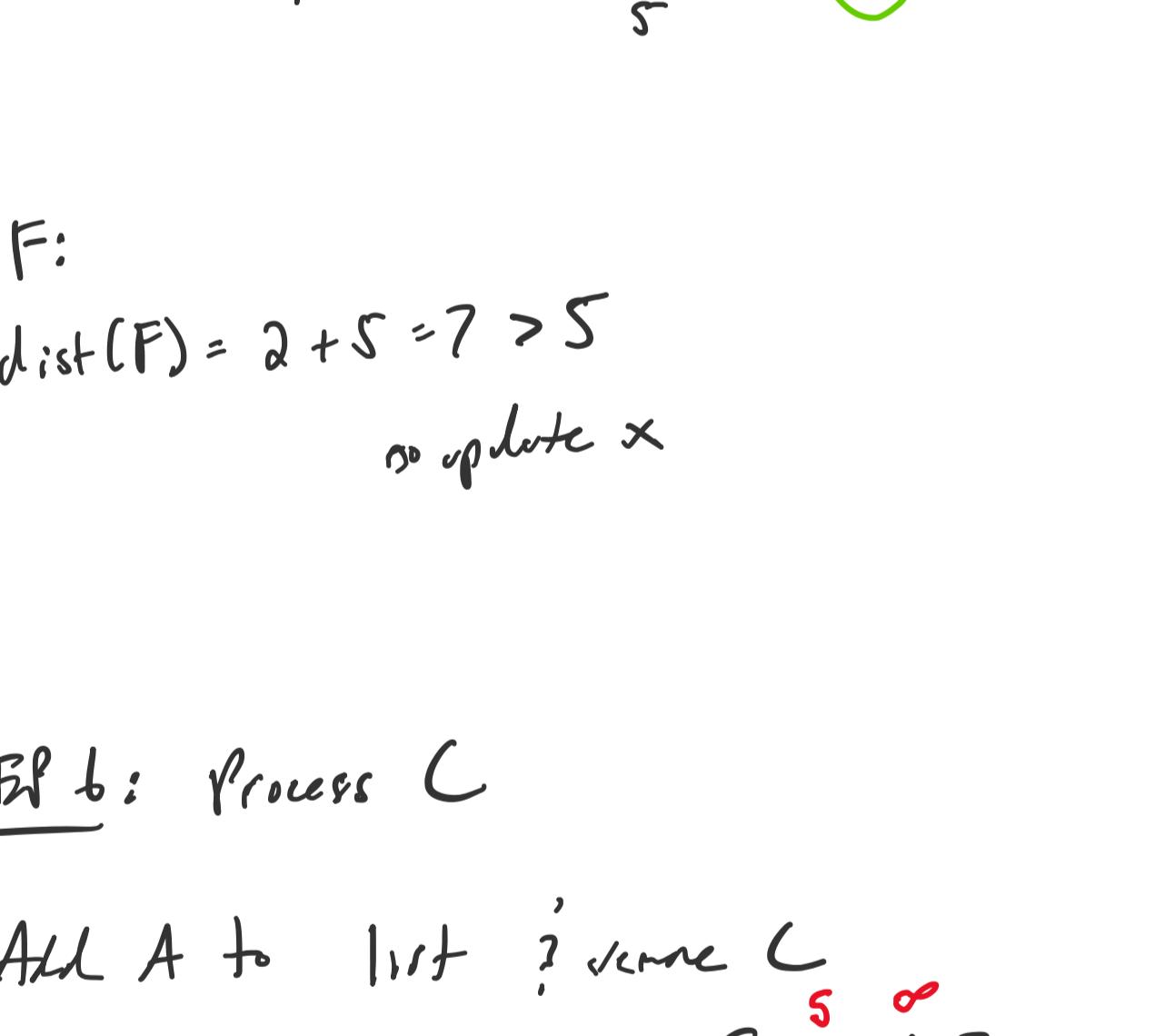
set $\text{dist}(B) = 0$, all else = ∞ ← is this true??
 $\text{OPEN} = [B]$

Step 2 - Process B

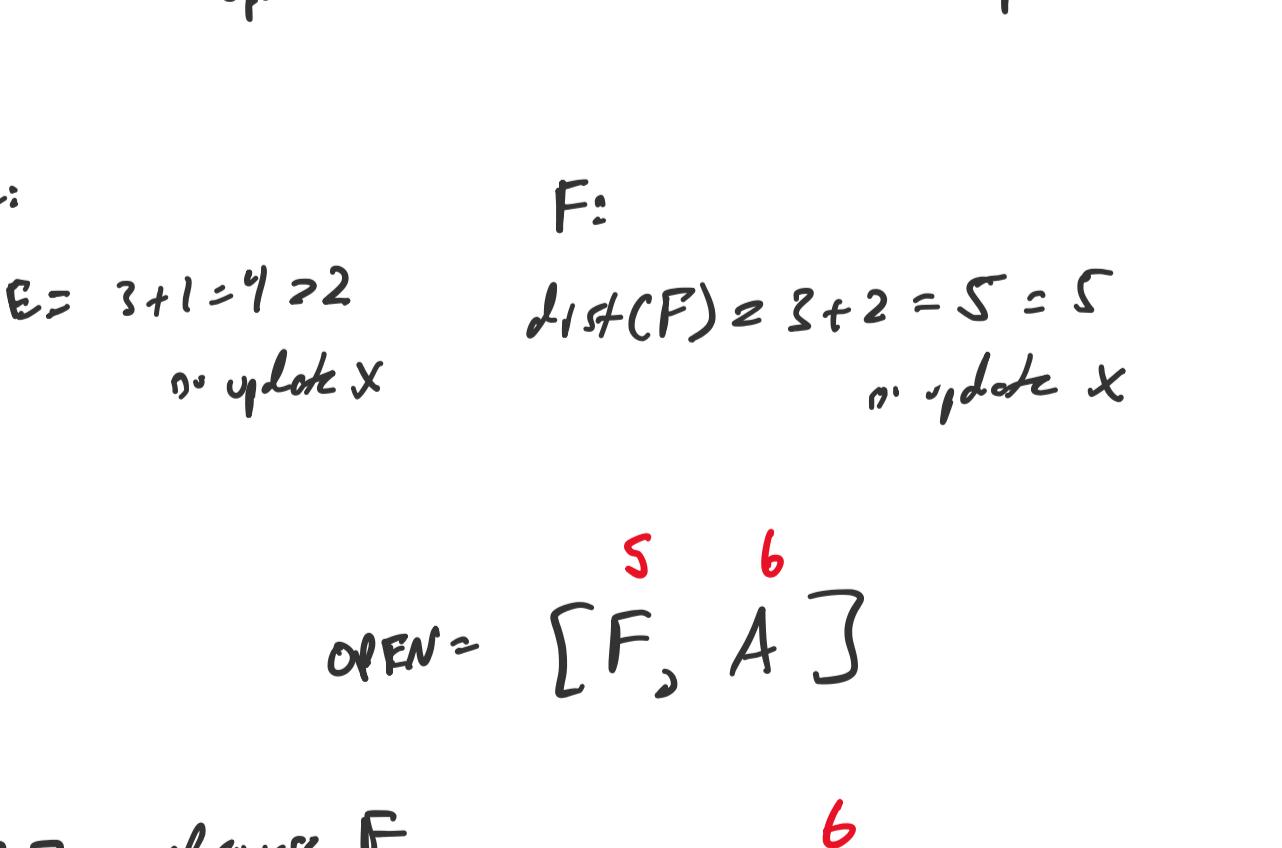
$$\text{OPEN} = []$$

Step 3 - Process D

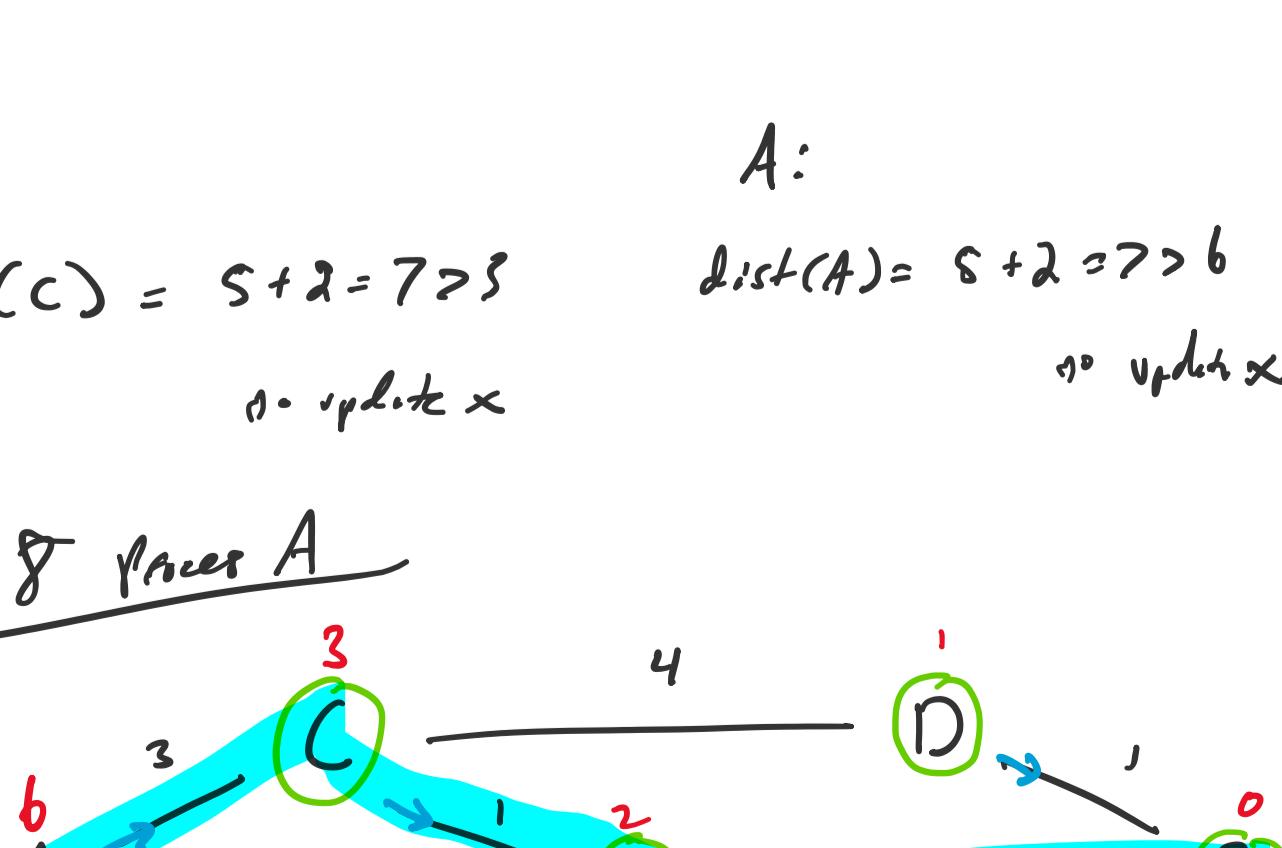
$$\text{OPEN} = [E, G, F]$$

Step 4: Process E

$$\text{OPEN} = [G, C, F]$$

Step 5: Process C

$$\text{OPEN} = [C, F]$$



The goal!

My shortest path!

My shortest path!