DAA Tutorial 7 Solution 4:00 V(f) = flow out of S = 6+3+1 = 10(2) This is not a mon flow because and 5-t path 5-a-c-b-d-t enists in Grant bottlenede = 1. Augmenting this flow, we get:

3 6 4 5 9 6 (2) Now there is no 5-t path in by >> man flow = 7+3 + 1 = 11 = flow out ofs. (2) & min-s-t-cut = [set of vertiles in by reachable frams]

E set of vertiles in by not reachable frams) $= \{ S, \alpha, b, c \}, \{ d, t \}, \{ S \}$ min cut copocity = copocity into (Ort) = 5+5+1=11 (5)

