Graph and flow at each iteration **Residual Graph & Augmenting Path** Augmenting paths: $C(\{s,a,t\}) = 5 \leftarrow pick this$ $c(\{s,a,c,t\})=2$ $c(\{s,a,b,c,t\}) = 1$ $c(\{s,b,c,t\}) = 4$ $c(\{s,d,t\}) = 2$ $c(\{s,d,c,t\}) = 2$ $c(\{s,d,b,c,t\}) = 2$ d d Augmenting paths: a $c(\{s,a,c,t\}) = 2$ $c(\{s,a,b,c,t\}) = 1$ Ò/2 $c(\{s,d,t\}) = 2$ $c(\{s,d,c,t\}) = 2$ $c(\{s,d,b,c,t\})=2$ 0/3 d Augmenting paths: $c(\{s,a,b,c,t\}) = 1$ 0/1 $c(\{s,d,t\}) = 2$ $c(\{s,d,c,t\}) = 2$ $c(\{s,d,b,c,t\}) = 2$ 0/3 Augmenting paths: $c(\{s,d,t\})=2$ $c(\{s,d,c,t\})=2$ $c(\{s,d,b,c,t\})=2$ Augmenting paths: $c(\{s,b,c,t\})=4$ 0/3 Ò/3 2/2. dd Augmenting paths: None (s)

max flow = 14 min cut: $S = \{s,a\} T = \{b,c,d,t\} c(S,T) = 14$