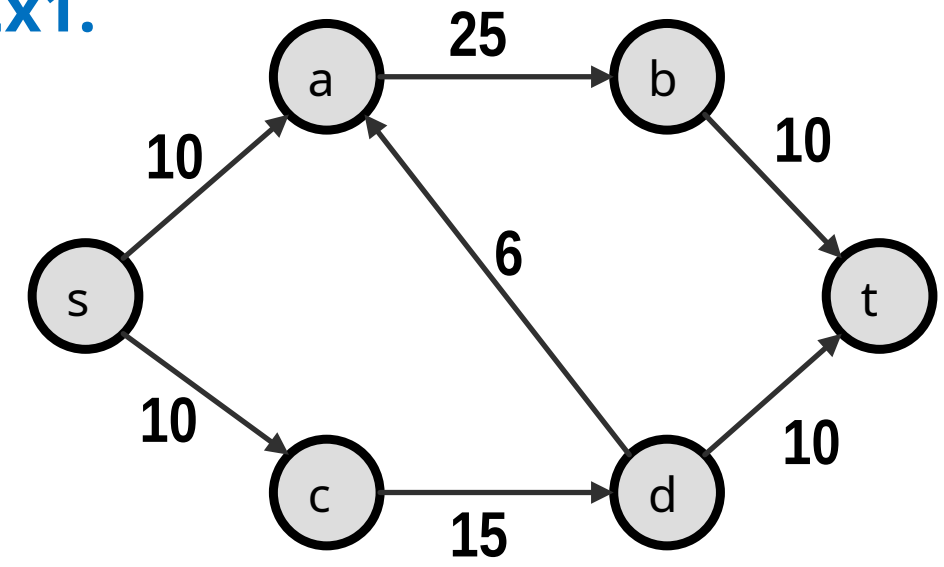
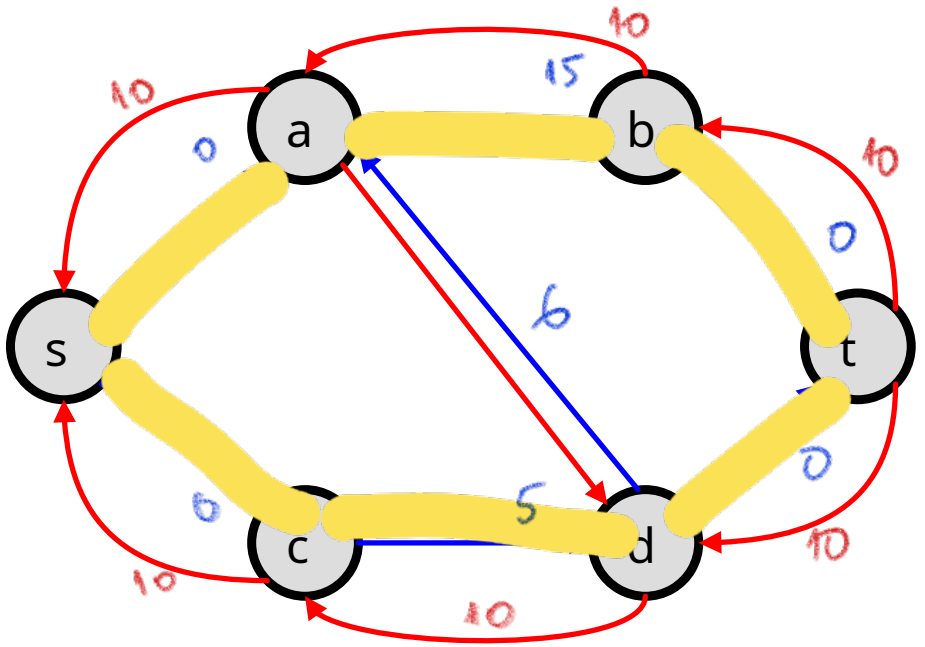
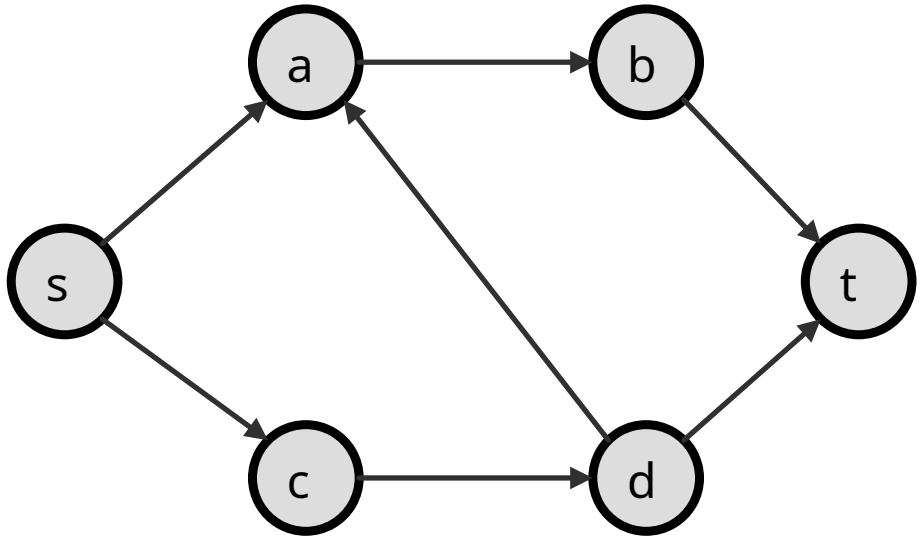
Fluxo Máximo

Ford-Fulkerson

Ex1.







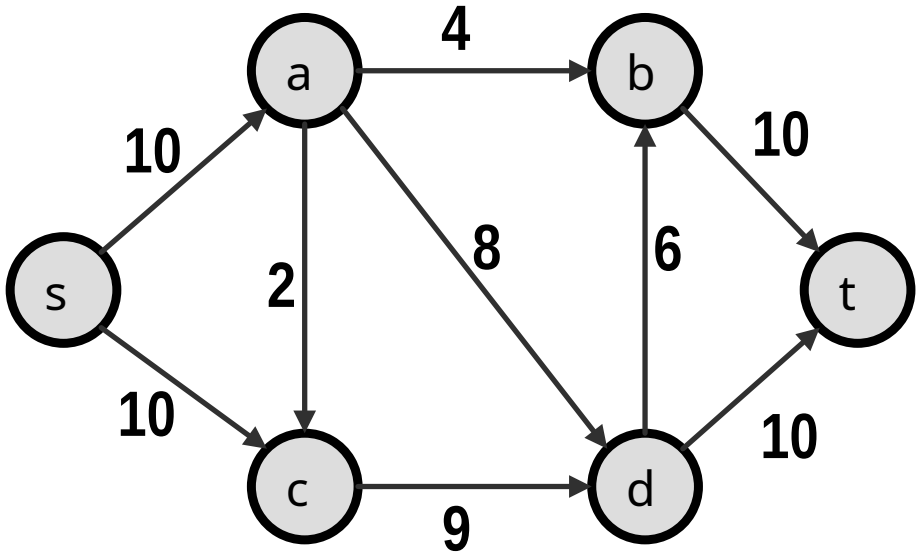
s→ c→ [redacted] → b → t

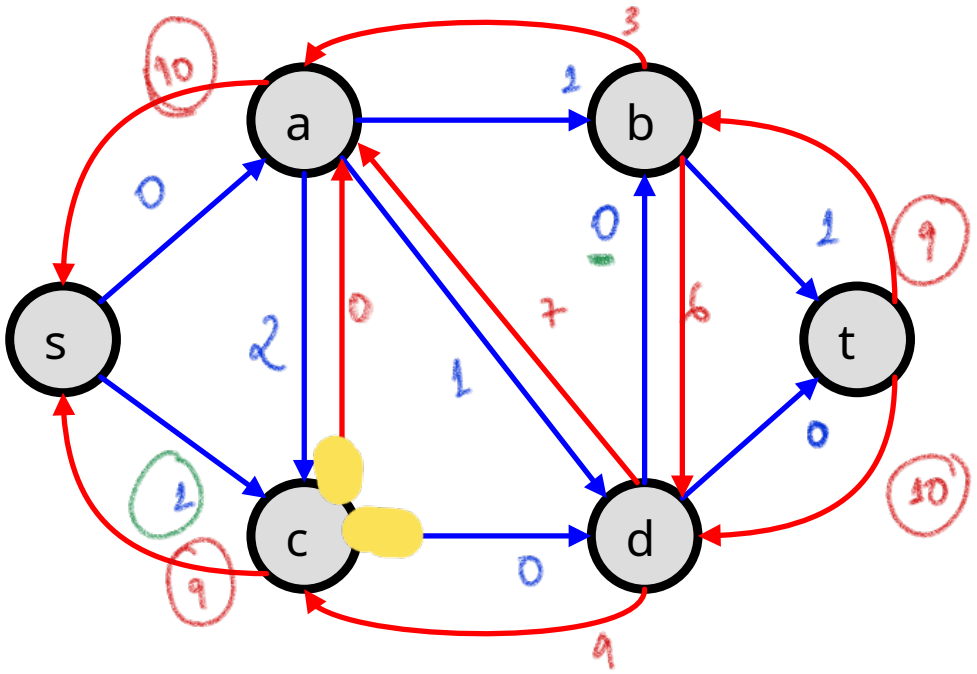
s→ c→ d → t

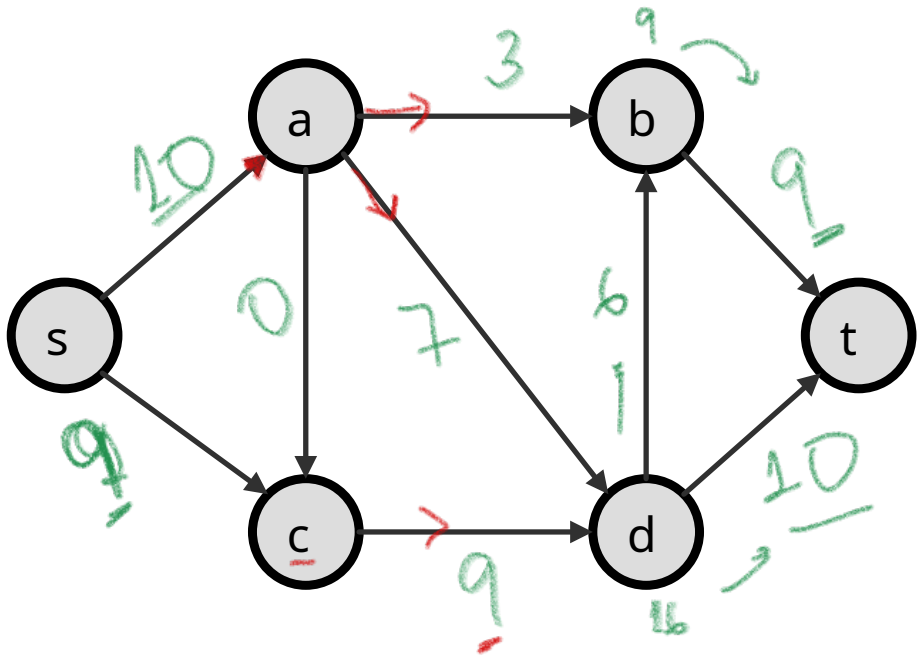
s→ [redacted] → t

s→ a → b → t

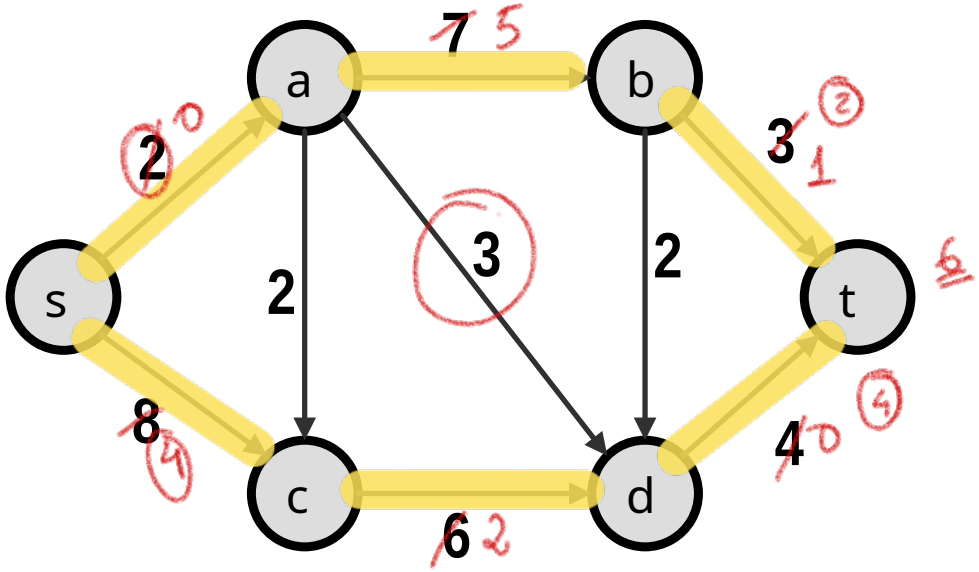
Ex2. Usando DFS

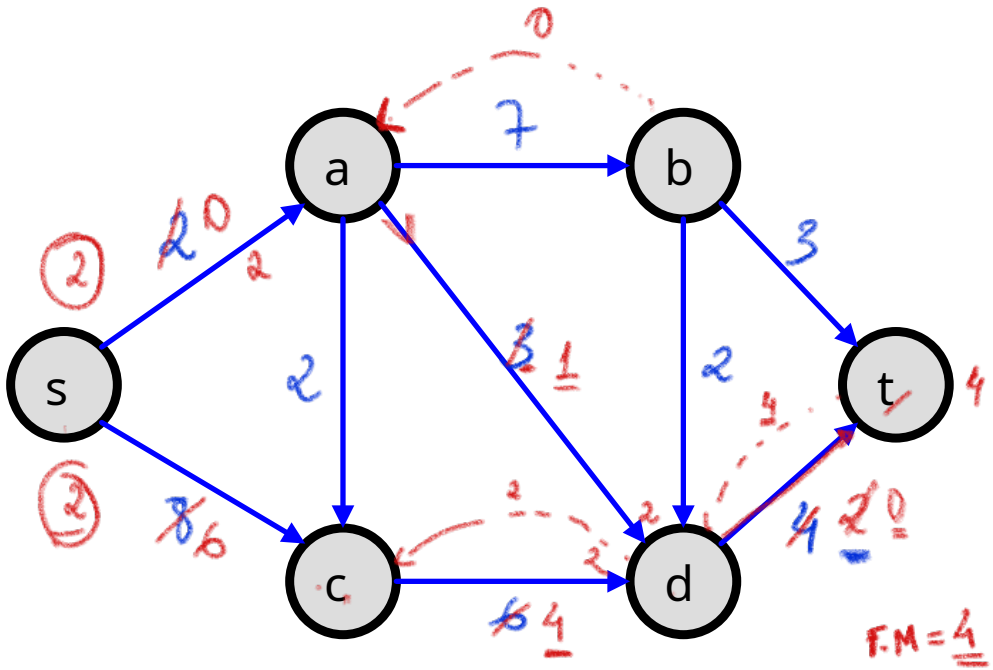






Ex3. Sem arestas de retorno

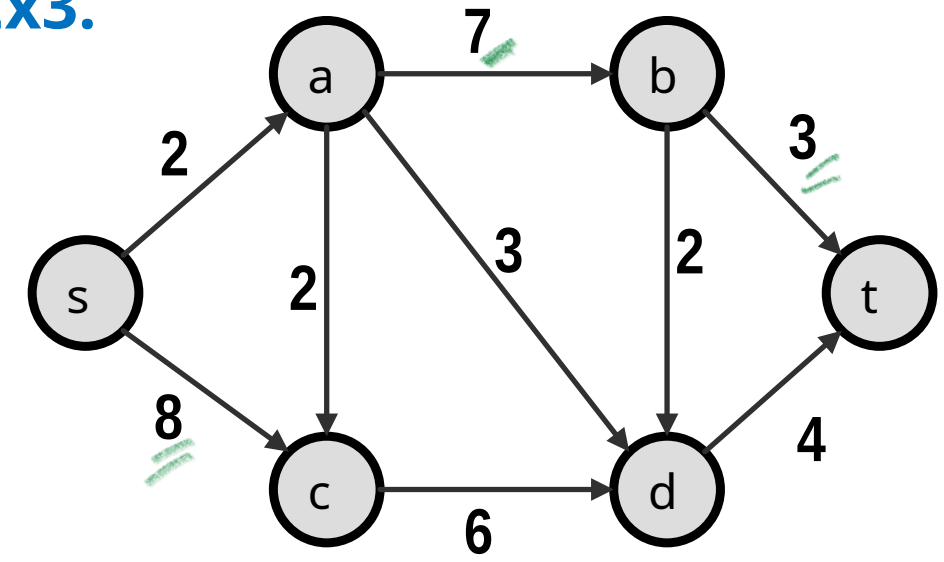


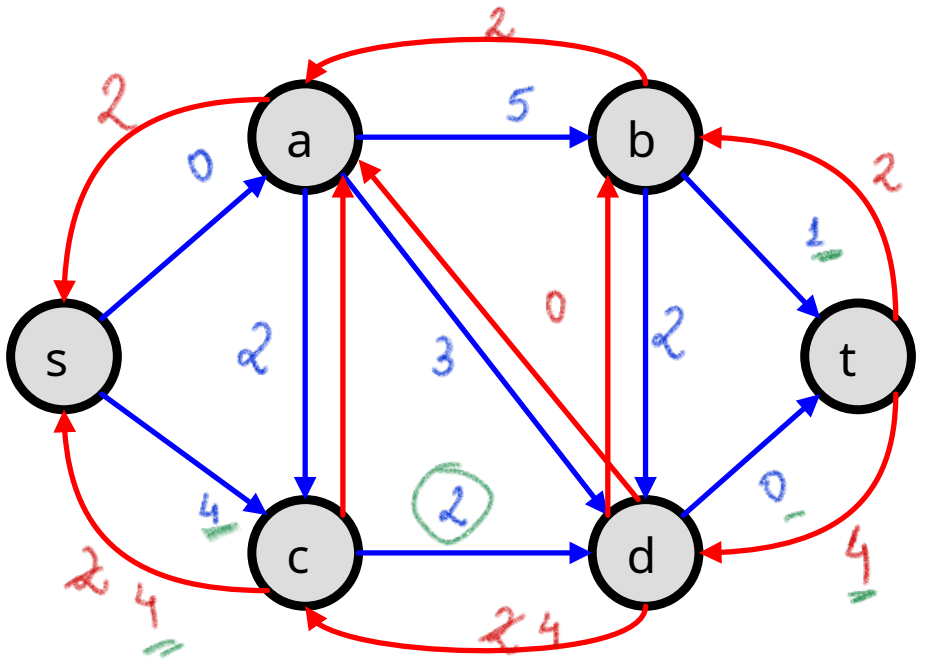


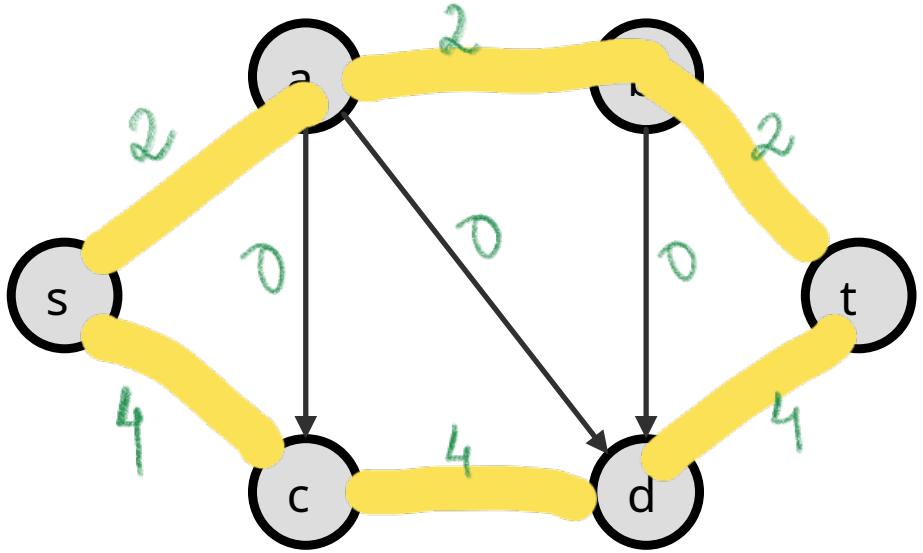
s → a → d → t

c → d → t

Ex3.







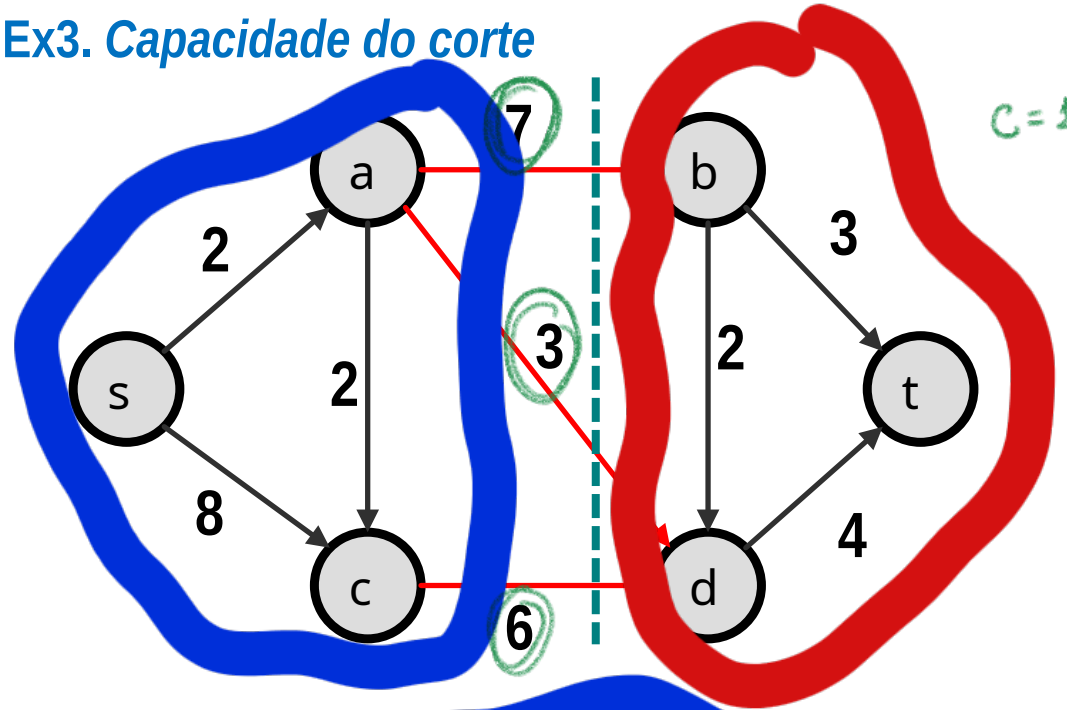
s→ a → d → t

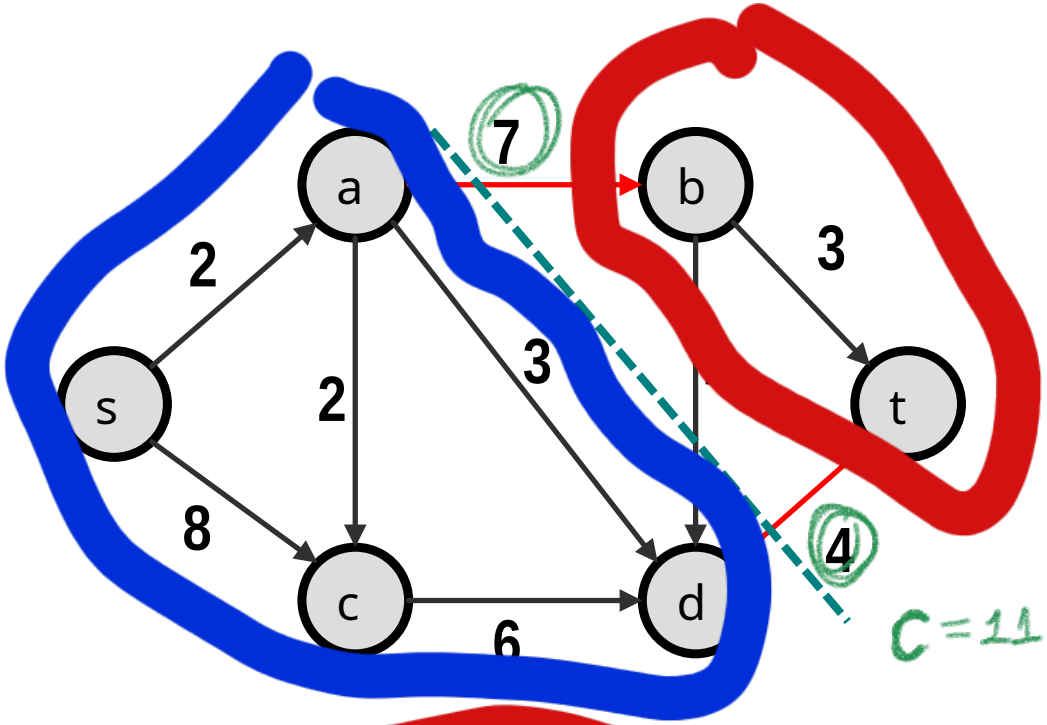
s→ c→ d → t

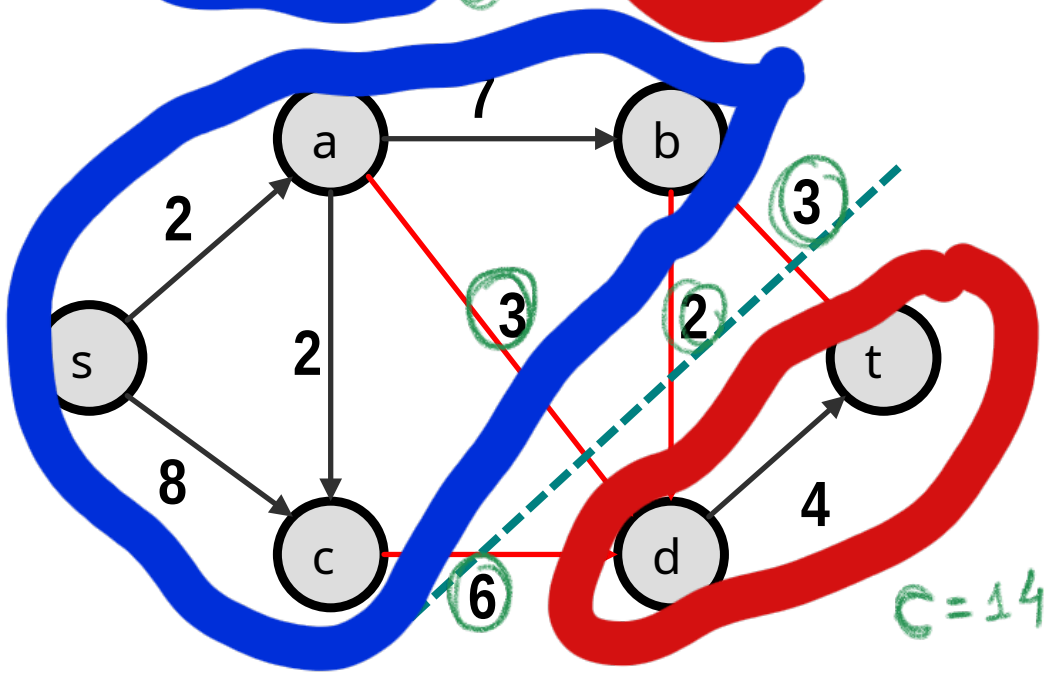
s→ c→ d← a → b → t

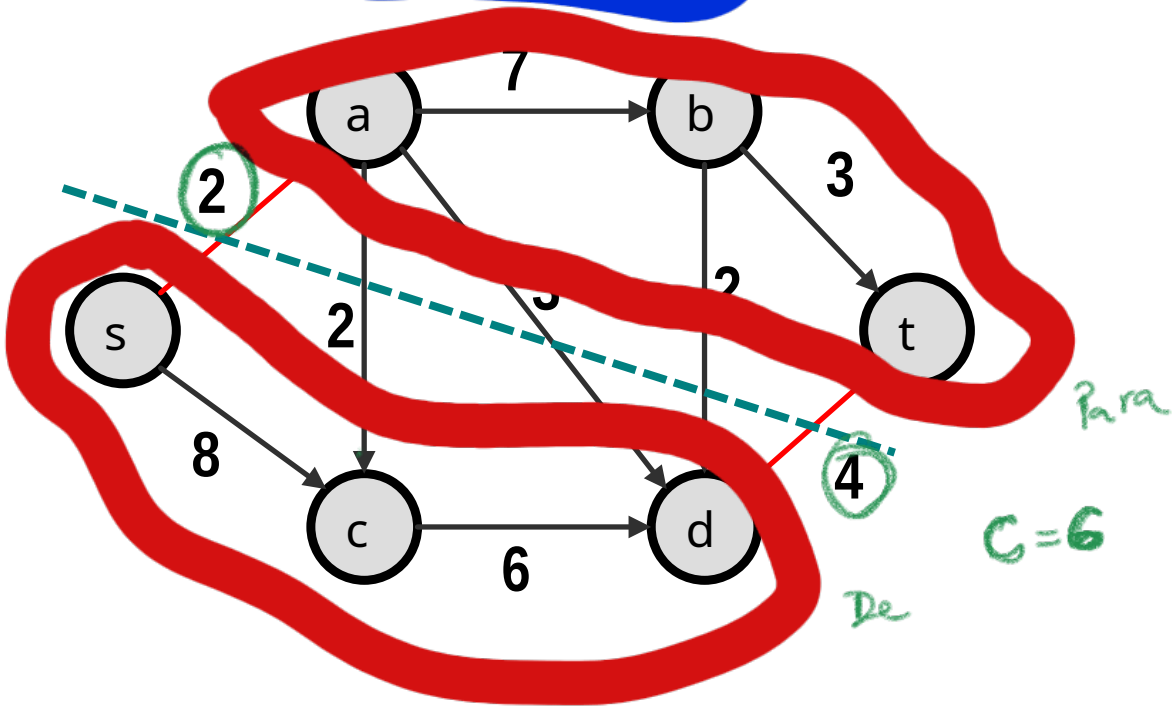
~~s→ a → b → t~~

Ex3. *Capacidade do corte*









Algoritmo de Ford Fulkerson

Complexidade?

1. Determine um caminho entre `s` e `t`
2. Determine o gargalo
3. Aumente o fluxo em cada aresta e o fluxo total

$$O(E \cdot f_{max})$$