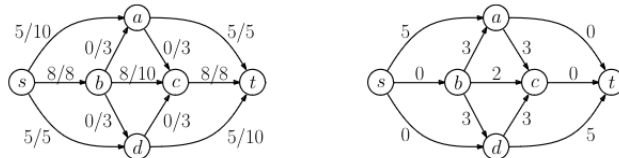


Algoritmy a datové struktury 2: Cvičení 4

Exercise 1. When developing $F-F$, we noticed that augmenting only in the direction of edges (by always increasing the flow) can stop with a non-maximum flow. Can this be fixed by always considering the shortest path?



Exercise 2. We have a chessboard $R \times C$ with some squares missing. Place as many non-attacking rooks on the squares as possible. What changes if a rook doesn't attack across a missing square?

Exercise 3. We have a chessboard $R \times C$ with some squares missing. Find a tiling of its squares by domino tiles (1×2 or 2×1 squares). The tiles must not overlap and their union should be all non-missing squares.