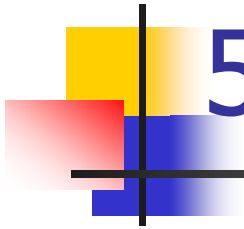

5.1 & 5.2

- 5.1
  - $S=W/T_P=W/(W_S+(W-W_S)/p)$
  - $(W-W_S)/p \rightarrow 0$ when p increases. No matter how large p is, we have the bound $S \leq W/W_S$.
- 5.2
  - (a) Single process, DFS: 11 arcs traversed.
  - (b) 2 processes, P_1 traverses 4 arcs and finds the solution. S=11/4=2.75. Anomaly: S>2 due to the different overall works in both cases.