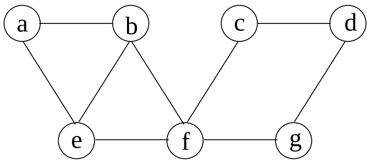
HELSINGIN YLIOPISTO
Tietojenkäsittelytieteen laitos
PL 68
00014 HELSINGIN YLIOPISTO

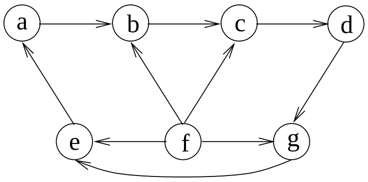
581330-2 Tietorakenteet

Exercise 7 (22–26.11.2004)

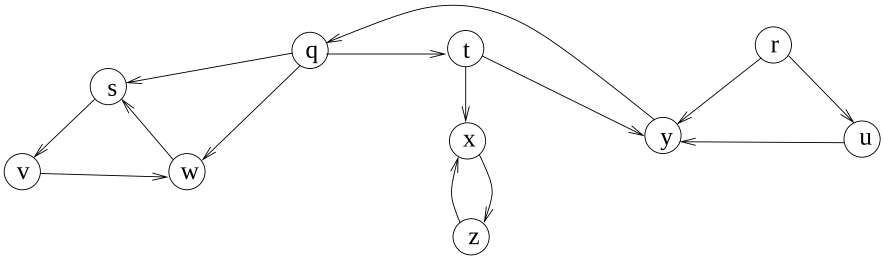
(a)



(b)



(c)



1. Let us now consider graphs (a) and (b)
   - Give formal definition to graphs
   - Give adjacency list representation of graphs
   - Give adjacency matrix representation of graphs
2. Do a breath-first-search to graph (a) starting from node g
3. Do a breath-first-search to graph (b) starting from node f
4. Do a depth-first-search to graph (b) starting from node f
5. Do a depth-first-search to graph (c)

   Assume that nodes in adjacency lists are observed in alphabetical order.