## Homework #4

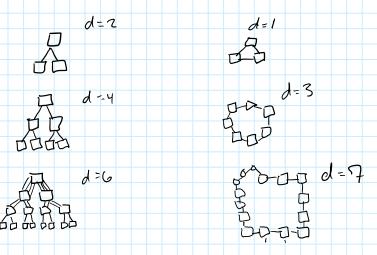
Friday, August 12, 2016

1:19 AM

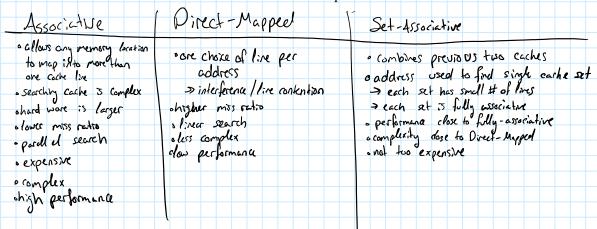
Sean Webster

Director lower than ring @ > 15 processors

1. Find the number of processors for which the tree topology has a lower diameter than the ring topology. The diameter is the maximum distance between two processors in the computer system. This is the maximum number of processors a message must pass through to reach its final destination (including the destination processor).



**2.** Draw a table that itemizes fundamental differences among direct mapped, fully associative and set-associative caches. Demonstrate these differences on an example.



Direct-Mapped

