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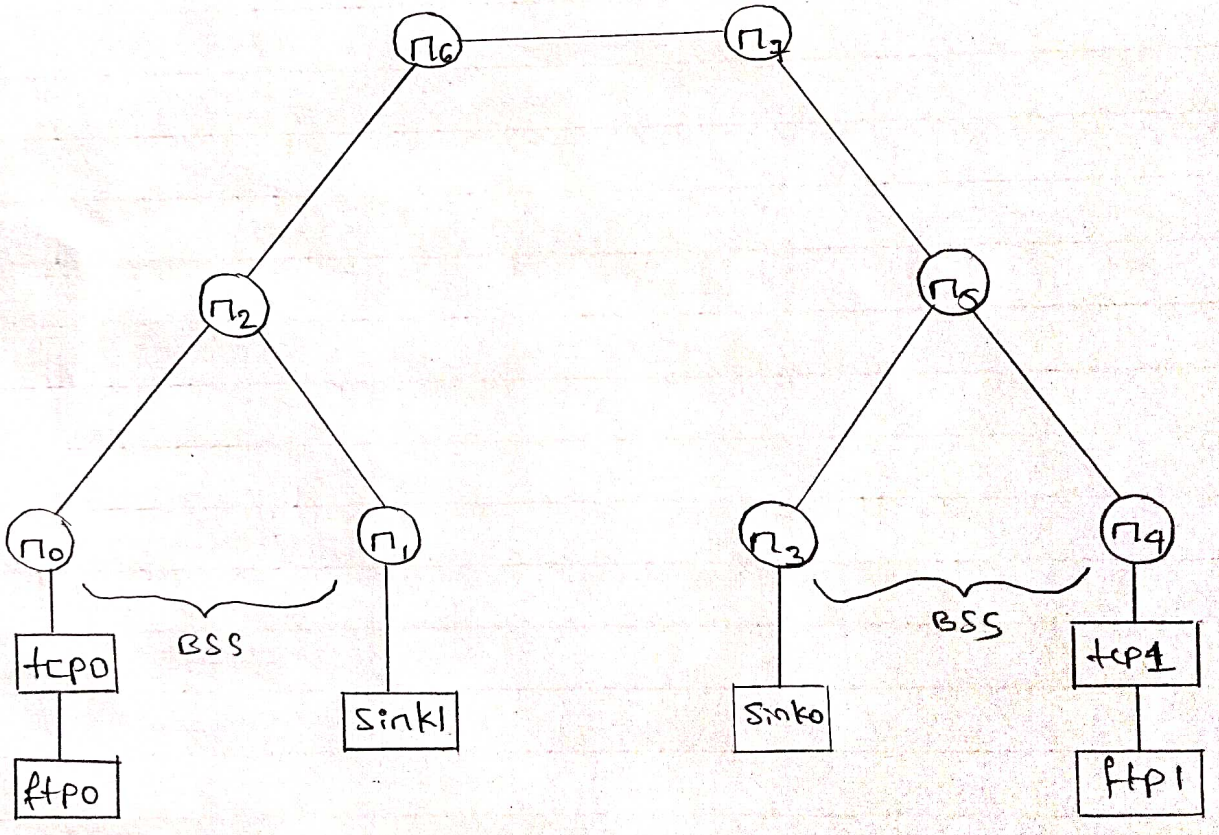
Network design



n2 & n5 Access points

n7 & n6 Routers

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Aim :- Implement ESS with transmission nodes in wireless LAN and obtain the performance parameter

Tool used :- NSG 2.1

BSS (Basic service set): Two or more nodes connected to access point.

ESS (Extended source set): Two or more BSS forms ESS

Procedure :-

1) Create single ethernet LAN using N = 04 nodes
   LAN = n0, n1, n2, n3
2) Select two nodes as source and remaining two nodes as destination.
3) Apply relevent parameters
4) Determine congestion window for different source destination.

Conclusion :-

Implement ESS with transmission nodes in wireless LAN is performed

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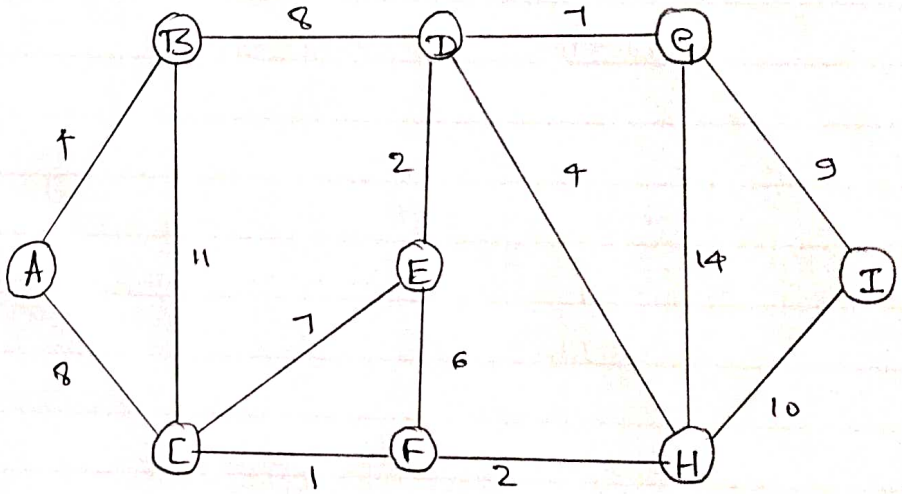
Network design



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Aim :- Implementation of link state routing algorithm.

Tool used :- NS2 2.1

Procedure :-

1) Create a node network with necessary node parameters
2) Create duplex links and set the appropriate link parameters
3) Generate TCL script and save it with filename.tcl file
4) Then assign the costs of the all links in tcl script.
5) Run the tcl script using command ns filename.tcl.

Conclusion :-

Implementation of link state routing algorithm is performed.