CRITICAL CONNECTIONS IN A NOTWORK

DISCOVERY TIME: Time at which a node was visited but for Lower: Also the time at which a node was visited but for all make part of a cycle, this value is updated to the aris value is the cycle.

0 - 1, 1, 3 1 - 0, 2 1 - 0, 1, 4 3 - 0

4 - 2,5

5 - 4

DIS COVERY TIME: [-1 -1 -1 -1 -1 -1]

Lowest

Start travers at from any node in the graph!
Let's way we started from !

CRITICAL CONNECTIONS IN A NGTWORK

DISCOVERY TIME: Time at which a node was vibrited. LOWERT: Also the time at which a node was visited but for all moder part of a cycle, this value is updated to the d:3,1.2 d:2, l:2→0 2 - 0,1,4 4- 2,5 d=5. L=5 5 - 4 do 4, 604 DIS COVERY TIME: [-1 -1 -1 -1 -1 -1 -1] Lowest

Critical Connections: (4.5) (2.4), (0,3)

Lo Add to it when bount of child > discovery time of parent

Tarjan's Algorithm