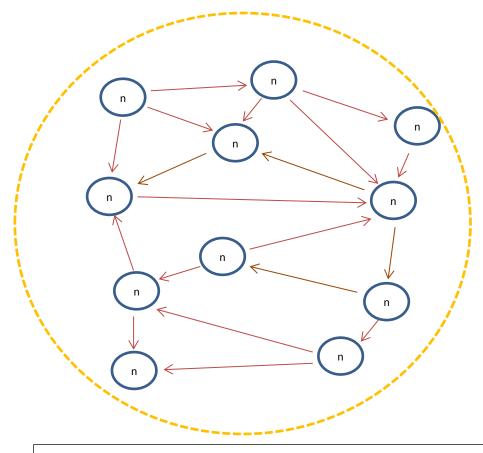


Pattern 'n' means visit every node to see if it matches and assign the result to variable 'n'. So every node will match!

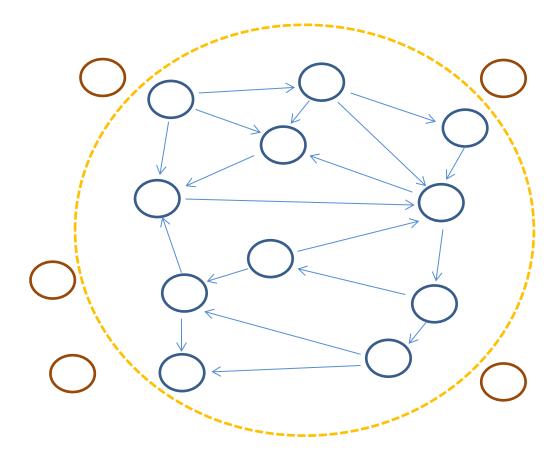


Every node will match this pattern!



Pattern will match every single node that has a relationship with another node. Looks like:

MATCH (a) - - >(b)

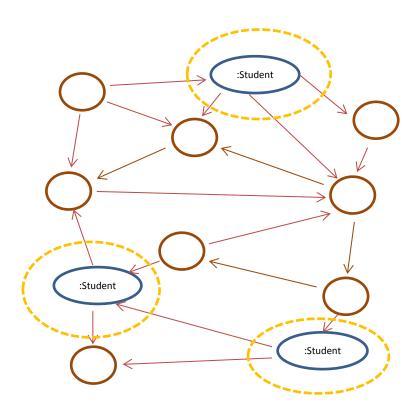


Every node with a Relationship!



Pattern ':Student' means visit every node to see if it matches pattern node with label 'Student' and assign the result to variable 'n'. So every *Student* labelled node will match! Looks like:

MATCH (n:Student)

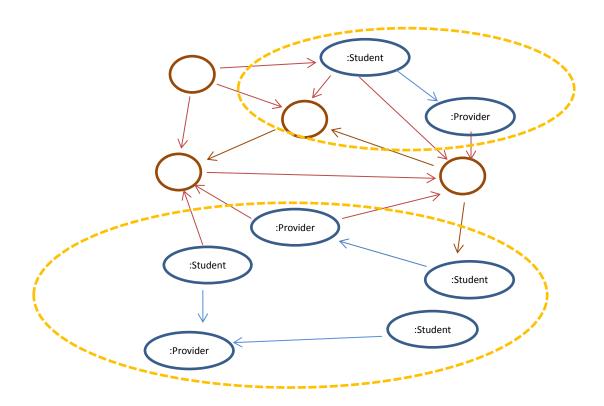


Every 'Student' node will match this pattern!



Pattern will match every single node with a label of 'Student' that has any kind of relationship with another node with a label of 'Provider'.

Looks like: MATCH (a: Student) - ->(b: Provider)

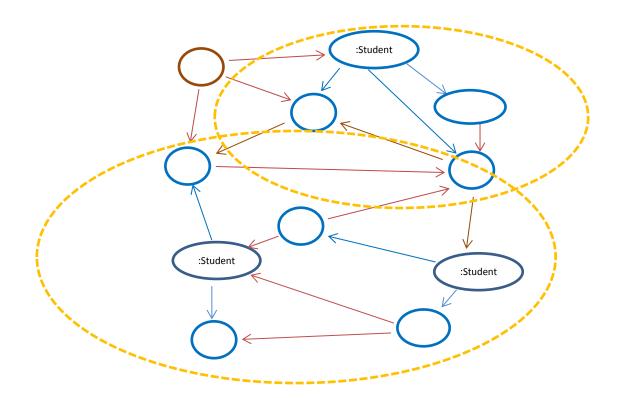


Every 'Student' node, has a relationship with any node with 'Provider' label.

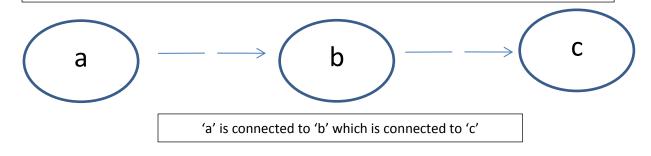


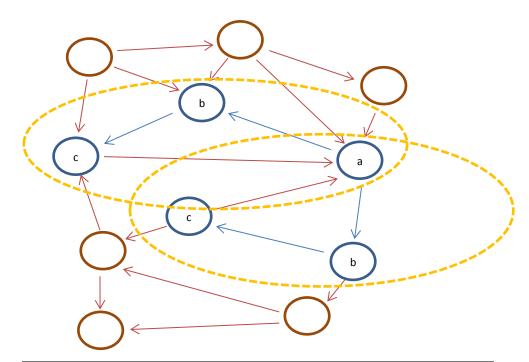
Pattern will match every single node with a label of 'Student' that has any kind of relationship with another node.

Looks like: MATCH (a: Student) - - >(b)



Every 'Student' node, that has a relationship with any node.

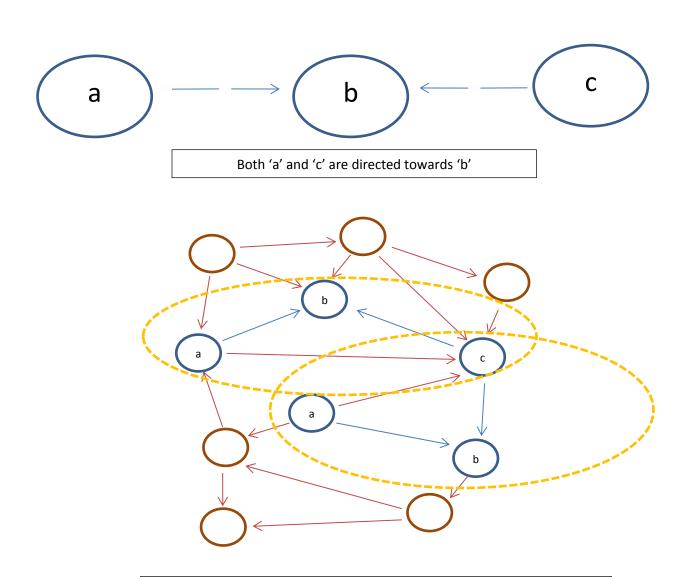




The 'paths' returned by the Cyphers Matching the Pattern (a) \rightarrow (b) \rightarrow (c)



'Provider' node connected to 'Course' nodes and 'Course' nodes connected to 'Instructor'



The 'paths' returned by the Cyphers Matching the Pattern (a) \rightarrow (b) \leftarrow (c)



'Student' nodes connected to 'Course' nodes and 'Provider' nodes connected to 'Course' nodes