## Script Pattern 1

// find\_pattern

MATCH p=(n:K3S{id:"11"})-[:HAS\_CONTRACT]->(:Contract)--(:Wilayah\_Kerja)

match p2 = (n)-[:WORKING\_WITH]->(:Vendor)-[:HAS\_PO]->(:PO)-[:HAS]->(:Asset)-[:SUPPLIED\_BY]->(:Supplier)

return p,p2

## Pattern 2

// find\_pattern

MATCH p=(n:K3S{id:"11"})-[:HAS\_CONTRACT]->(:Contract)--(:Wilayah\_Kerja)

match p2 = (n)-[:WORKING\_WITH]->(:Vendor)-[:HAS\_PO]->(:PO)-[:HAS]->(c:Asset)-[:SUPPLIED\_BY]->(:Supplier)

//return p,p2

where c.line\_descriptipion ="ELBOW, BUTT WELD"

return \*

// scene2

MATCH p=(n:K3S{id:"11"})-[:HAS\_CONTRACT]->(:Contract)--(:Wilayah\_Kerja)

match p2 = (n)-[:WORKING\_WITH]->(:Vendor)-[:HAS\_PO]->(v:PO)-[:HAS]->(c:Asset)-[:SUPPLIED\_BY]->(:Supplier)

match (z:AvgPrice)

//return p,p2

where c.line\_descriptipion ="ELBOW, BUTT WELD" and c.unit\_cost > z.avg

//and v.order\_number ="9000303"

return p,p2

CASE2   
match path1 =(s1:Supplier)<-[:PO\_ISSUED]-(p:PO)-[r:PO\_UNIT]->(n:Material)-[:SIMILAR]-(n2:Material)--(p2:PO)--(s:Supplier)

match path2 = (s1)--(c:Contact\_Person)--(:Phone)<--(:Employee)--()

match path3 = (c)--()

match path4 =(p)--(:K3S)--(:Wilayah\_Kerja)

match path5 =(p2)--(:K3S)--(:Wilayah\_Kerja)

// match Path4 =(s1)-[:PARENT\_COMPANY]-(s)

where p<>p2 and n.short\_description CONTAINS "STUD BOLT, 5/8" and p.order\_number <> "9000303" and p2.order\_number <>"9000303"

with distinct(p2.order\_number) as poNummber ,n2.date as date ,count(distinct p.order\_number) as jumlah\_transaksi, n.short\_description as Material\_Description ,s.name as Vendor

return poNummber, date,jumlah\_transaksi,Material\_Description,Vendor

match path1 =(s1:Supplier)<-[:PO\_ISSUED]-(p:PO)-[r:PO\_UNIT]->(n:Material)-[:SIMILAR]-(n2:Material)--(p2:PO)--(s:Supplier)

match path2 = (s1)--(c:Contact\_Person)--(:Phone)<--(:Employee)--()

match path3 = (c)--()

match path4 =(p)--(:K3S)--(:Wilayah\_Kerja)

match path5 =(p2)--(:K3S)--(:Wilayah\_Kerja)

// match Path4 =(s1)-[:PARENT\_COMPANY]-(s)

where p<>p2 and n.short\_description CONTAINS "STUD BOLT, 5/8" and p.order\_number <> "9000303" and p2.order\_number <>"9000303"

return \*