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Create node from node to

Create temporary roads

```
CREATE VIEW tmp_roads AS
SELECT *, STARTPOINT(geometry) AS startp, ENDPOINT(geometry) AS endp
FROM roads
```

Create nodes

```
CREATE TABLE nodes AS
SELECT ' ' AS ID, a.p AS Geometry FROM (SELECT DISTINCT tmp_roads.startp AS p
FROM tmp_roads UNION SELECT DISTINCT tmp_roads.endp AS p FROM tmp_roads) a
GROUP BY a.p;
UPDATE nodes SET ID = ROWID;
```

JOIN Spatial

```
SELECT a.ID,b.bod_sr70,b.tudu_m12,b.trat_ojr,b.bod_sr70_n,a.Geometry
FROM nodes_new AS a
JOIN nodes_tmp AS b ON a.ID = b.ID
```

Create road network

```
CREATE TABLE roads_network AS
SELECT a.*, b.id AS start_id, c.id AS end_id
FROM tmp_roads AS a
JOIN nodes AS b ON a.startp = b.Geometry
JOIN nodes AS c ON a.endp = c.Geometry
```

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