Exercise 2

1- Adjust the dataset to the AOI extent

```
Road_network.shp ──▶ [ Clip ] ──▶ Road_network_AOI.shp
                        ▲
AOI.shp ────────────────┘


Parcels.shp ──▶ [ Clip ] ──▶ Parcels_AOI.shp
                   ▲
AOI.shp ───────────┘
```
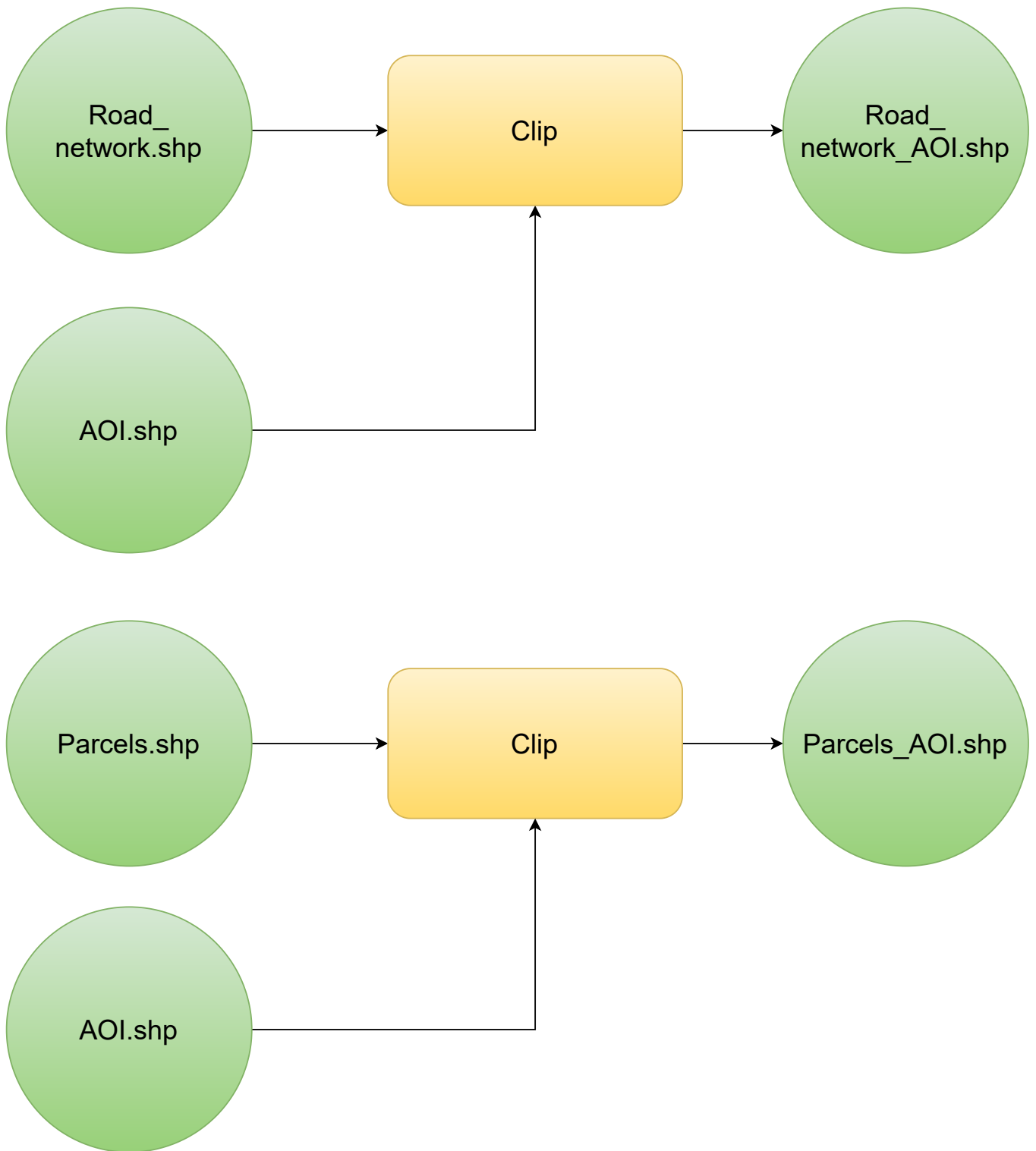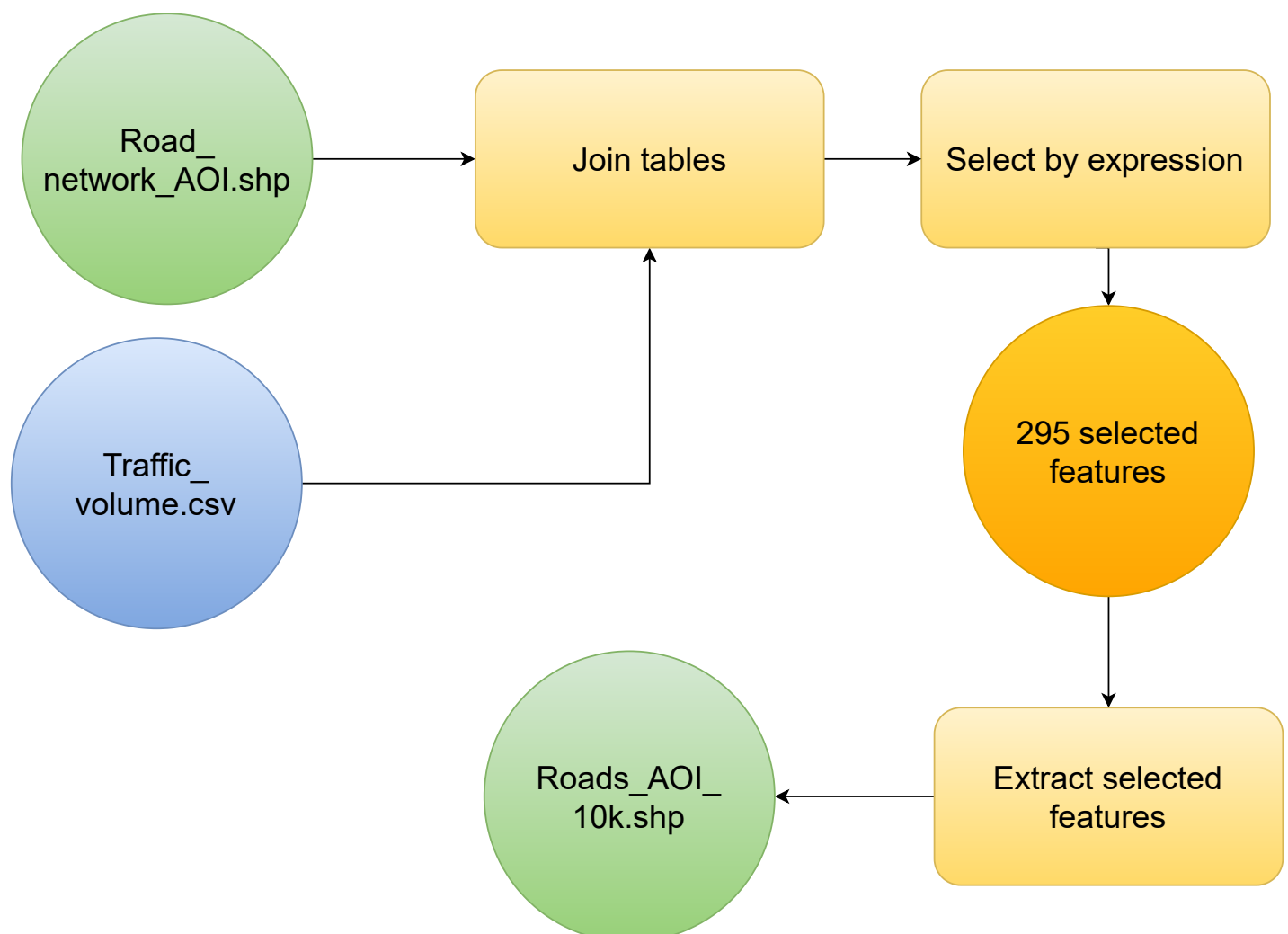
2- Identify parcels owned by the city of Detroit

Parcels_AOI.shp → Select by expression → 68 selected features → Extract selected features → Parcels_COD.shp
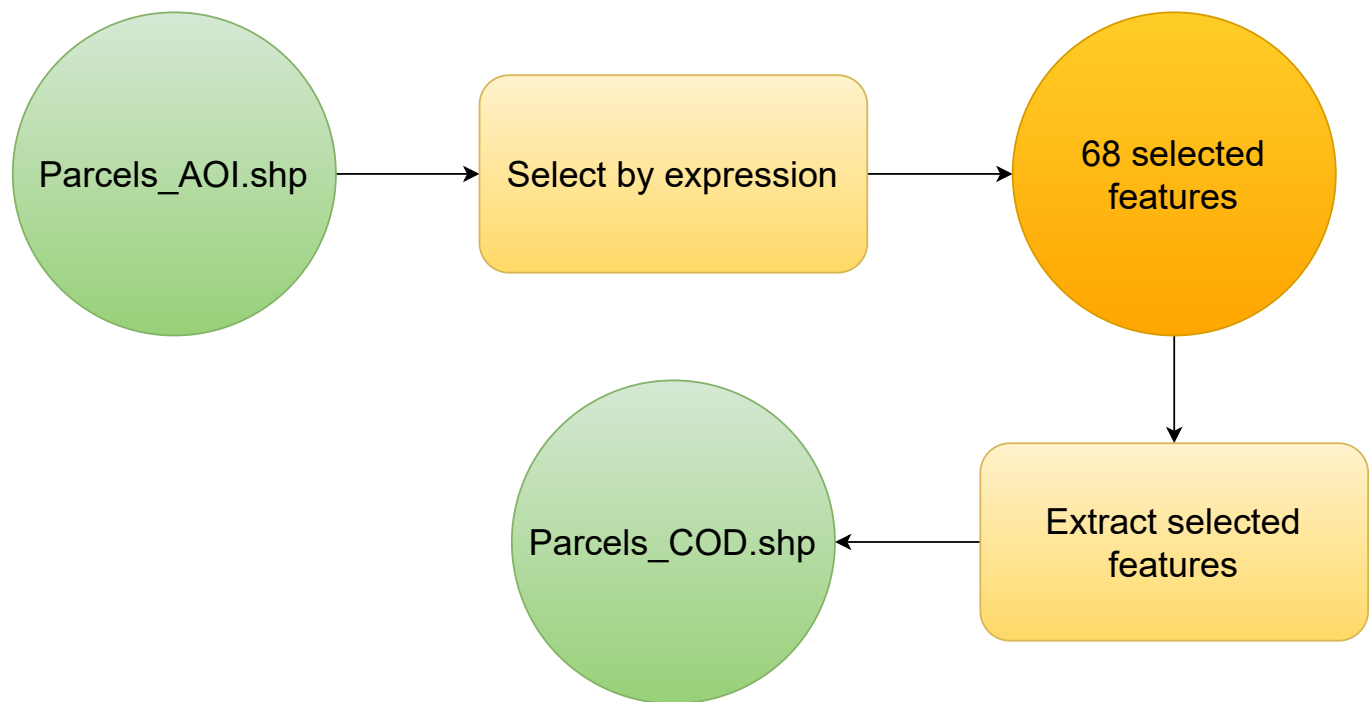
'COD' stands for 'City of Detroit'

3 - Identify the roads with AADT >= 10 000

Road_network_AOI.shp → Join tables → Select by expression → 295 selected features → Extract selected features → Roads_AOI_10k.shp

Traffic_volume.csv → Join tables

5 - Extract the parcels far from the roads with AADT >= 10 000

Roads_AOI_10k.shp → Buffer (100m) → Buffer_roads.shp

Parcels_COD.shp → Select by location → 38 selected features

💡 **use the 'disjoint' operator**

38 selected features → Extract selected features → Target_parcels.shp