Parcel Detection Algorithm Flowchart
AMC Python Script, version 1.6
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GDB

PARCELS (FC)

Count Rows
```
int(arcpy.GetCount_management("PARCELS")[0])
```

IF
- Count == 0 → **FAIL**
- Count == 1 → **SINGLE**
- Count > 1 →

Polygon Neighbors Analysis
```
arcpy.PolygonNeighbors_analysis("PARCELS",
"NEIGHBORS", "OBJECTID; Shape_Area",
"AREA_OVERLAP", "NO_BOTH_SIDES", None,
"FEET", "SQUARE FEET")
```

NEIGHBORS (TBL)

Count Rows
```
int(arcpy.GetCount_management("NEIGHBORS")[0])
```

IF
- Count == 0 → **SEPARATE**
- Count > 0 →

Table Query

POID	Parcel ID (OBJECTID from PARCELS FC)
SRC	Parcel Source ID
NBR	Parcel Neighbor ID
AREA	Areas in Sq. Feet (for SRC - NBR)

Dual Looping Structure
```
with arcpy.da.SearchCursor("PARCELS", ...) as cursor1:
    for row1 in cursor1:
        with arcpy.da.SearchCursor("NEIGHBORS", ...) as cursor2:
            for row2 in cursor2:
                (...)
```

IF
- POID Not in NBR → **AND**
  - POID Not in SRC → **SEPARATE**
  - POID in SRC → **IF**
    - Overlap == 0 → **NOT A PART**
    - Overlap > 0 → **FAIL**
- POID in NBR → **AND**
  - POID in SRC → **IF**
  - POID Not in SRC → **MAIN PARCEL**

END