Making spatial data usable—an overview
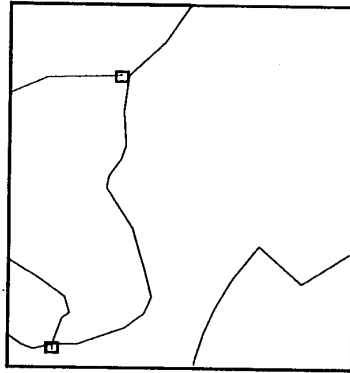
■ Identify errors
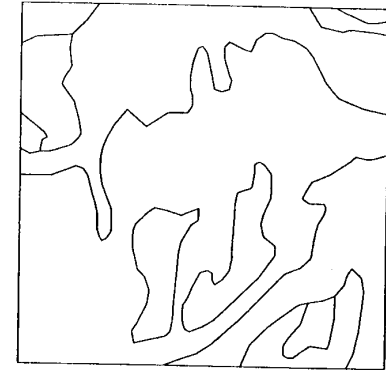
■ Correct errors
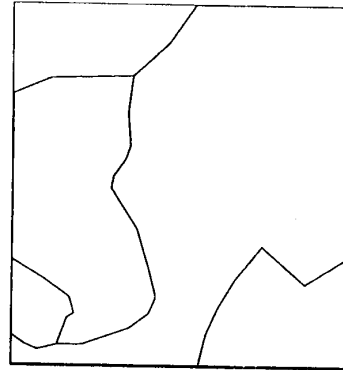
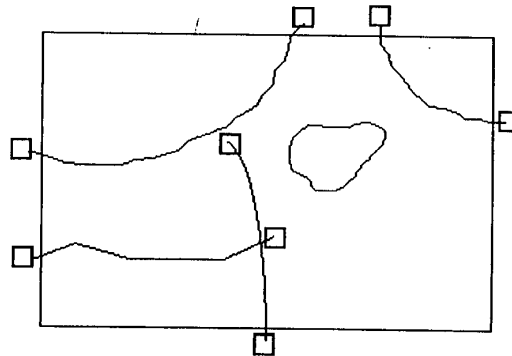**■ Reconstruct topology**

SO02CN

SO03ED

SO04BD

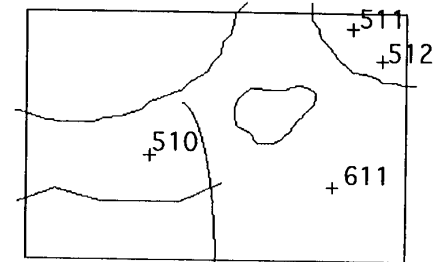# Identifying and interpreting errors

■ Dangling nodes

Attached to *one* arc

Drawn as squares

■ Too many labels

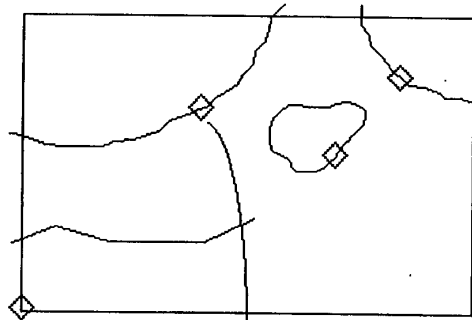Arcs surrounding an
area that contains
more than one label

Draws all labels in the
polygon with their IDs

+511
+512
+510
+611

■ Pseudo nodes

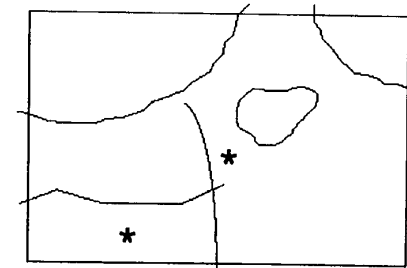Attached to *two* arcs
or a *loop*

Drawn as diamonds

■ Missing labels

Arcs surrounding an
area with no label

Asterisk drawn
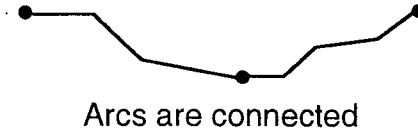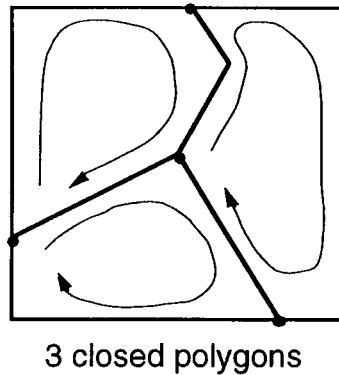at center of universe
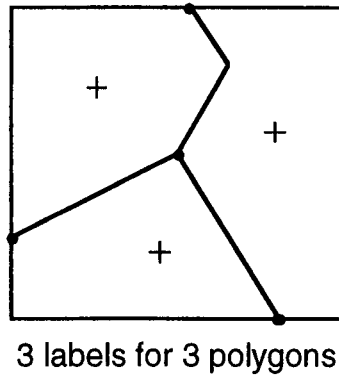polygon

Topology and error detection

■ **This relationship**

■ **Helps you detect this kind of error**

Arcs connect by sharing nodes

Arcs are connected

Node errors

Arcs are not connected

Arcs are assembled clockwise into closed polygons

3 closed polygons

Unclosed polygons

A polygon has been "missed"

Polygons contain one and only one label point

3 labels for 3 polygons

Label errors

This polygon has too many labels