Figure 5.1
A plane-faced object with trihedral vertices
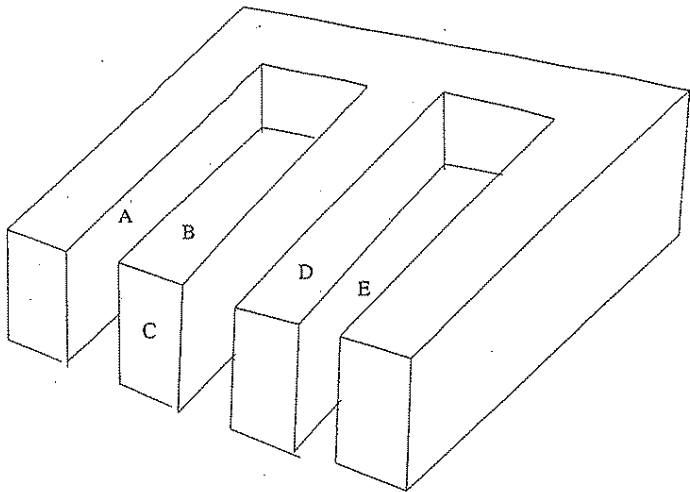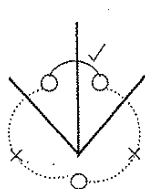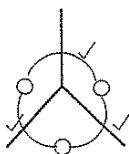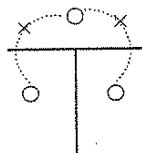
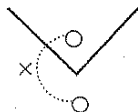**Figure 5.2**
An anomalous object

"Arrow"   "Y"   "Tee"   "Ell"

Figure 5.3
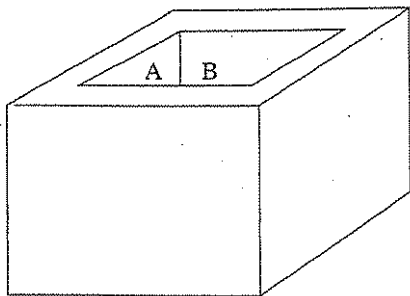Positive (✓) and negative (x) links (after Guzman 1968)
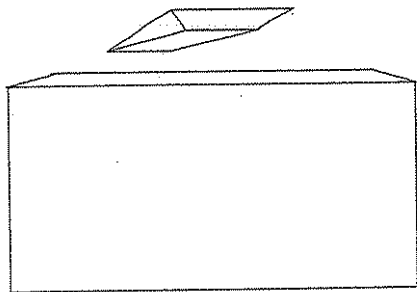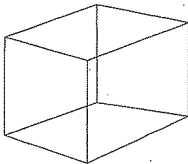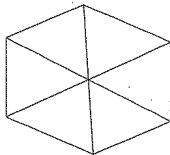
Figure 5.4
A block with a hole

Figure 5.5
A scene corresponding to a wrong analysis of the previous picture

Figure 5.6
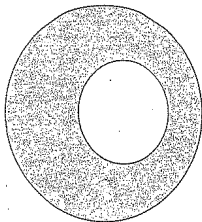Transparent cuboids viewed from (a) general and (b) nongeneral position

Figure 5.7
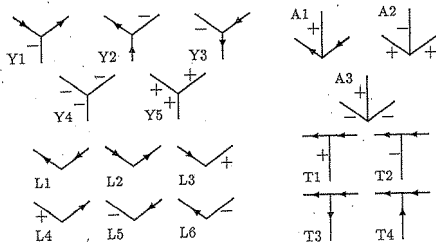Image of a truncated cone lit from nongeneral position along its axis

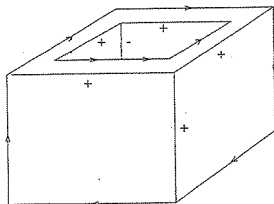**Figure 5.8**
Huffman/Clowes junction labels
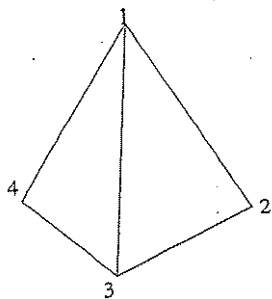

Figure 5.9
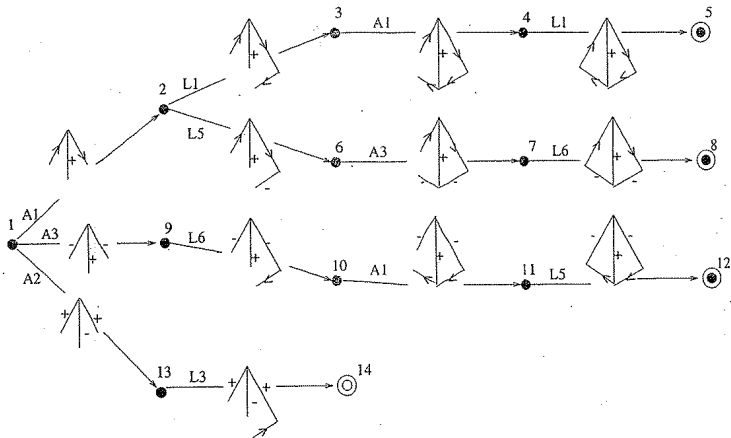A block with a hole, labeled
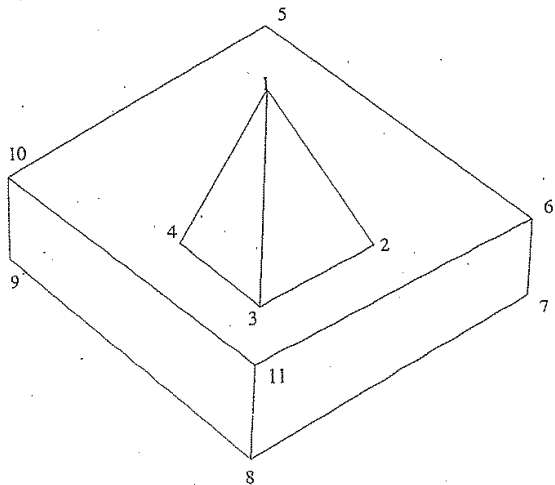
Figure 5.10
A pyramid

Figure 5.11
Backtracking search

Figure 5.12
A picture involving disconnected subpictures
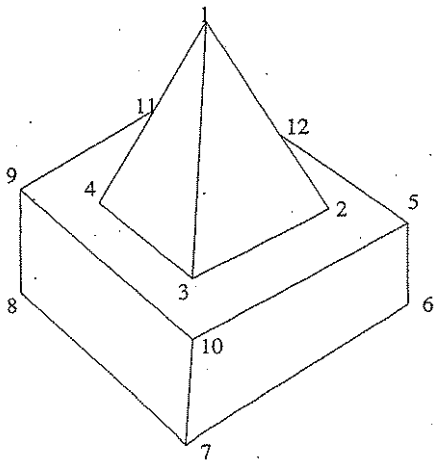
Figure 5.13
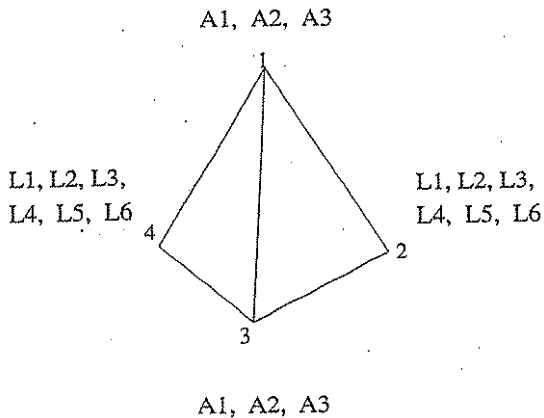A picture with subpictures connected by T-junctions

A1, A2, A3

L1, L2, L3,
L4, L5, L6

L1, L2, L3,
L4, L5, L6

4

2

3

A1, A2, A3

Figure 5.14
AC-3 applied to the simple pyramid: State 0

A1, A2, A3

L1, L2, L3,   L1, L3,
L4, L5, L6   L5, L6
          4   2

                   3

A1, A2, A3
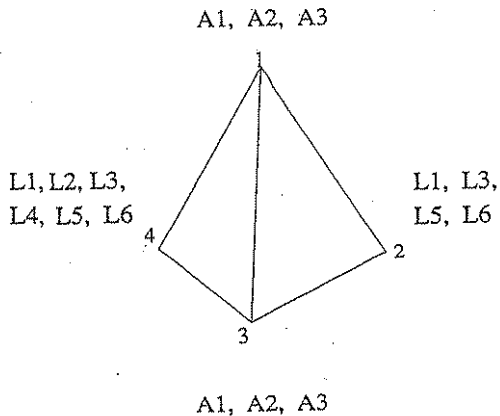
Figure 5.15
AC-3 applied to the simple pyramid: State 2

A1, A2, A3

L1, L2, L3,
L4, L5, L6

4

3

2

L1,
L5, L6

A1, A2, A3
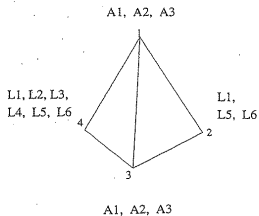
Figure 5.16
AC-3 applied to the simple pyramid: State3

A1, A2, A3

L1, L2, L3,
L4, L5, L6

4

3

2

L1,
L5, L6

A1, A3
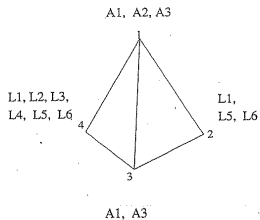
Figure 5.17
AC-3 applied to the simple pyramid: State 4

A1, A3
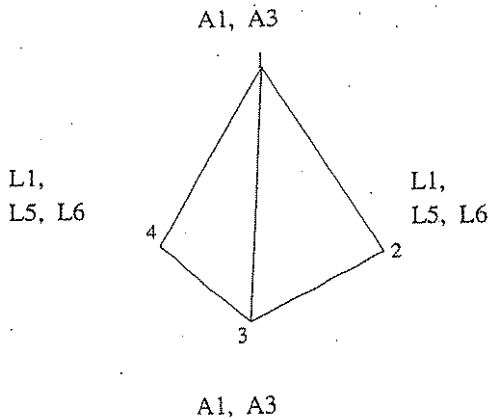

L1,
L5, L6

L1,
L5, L6

4

2

3

A1, A3

Figure 5.18
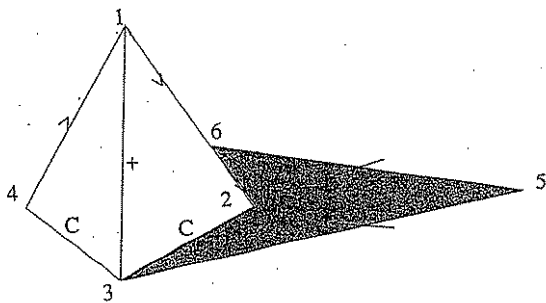AC-3 applied to the simple pyramid: Final state

Figure 5.19
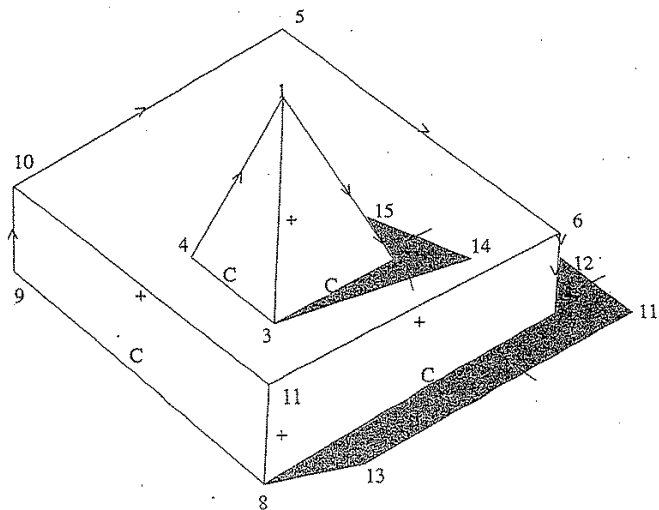An unambiguous picture including shadows and cracks

Figure 5.20
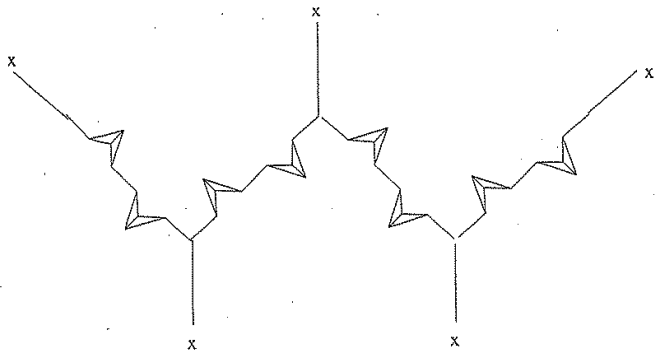A more complex unambiguous picture

Figure 5.21
Subpicture corresponding to a binary variable (adapted from Kirousis and Papadimitriou 1988)
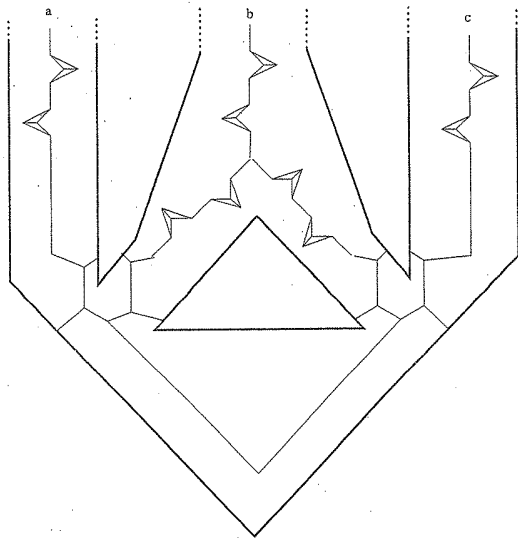
Figure 5.22
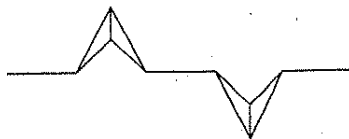Subpicture corresponding to a clause (adapted from Kirousis and Papadimitriou 1988)

Figure 5.23
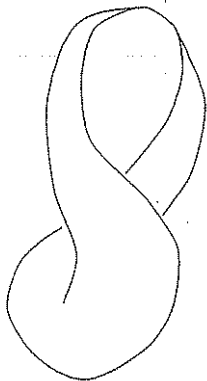The propositional variable binder (adapted from Kirousis and Papadimitriou 1988)
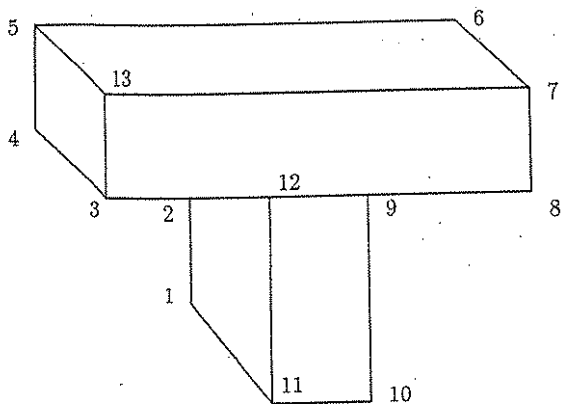
Figure 5.24
An ambiguous curved object

Figure 5.25
A big T