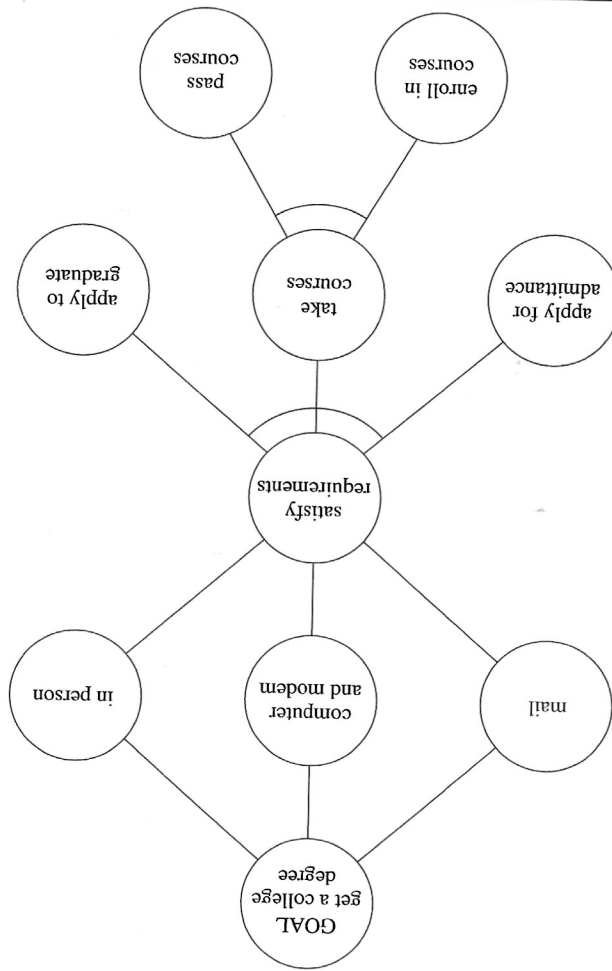


Figure 3.9 AND-OR Lattice Showing How to Obtain a College Degree



subgoal Satisfy Requirements and its subtree of goals for the Mail, Computer and Modem, and In Person goals. However, since the Satisfy Requirements is the same for each of its parents there is no real advantage, and it uses more pa-

per to draw the tree.

As another simple example, Figure 3.10 shows an AND-OR tree for the problem of getting to work by different possible ways. For completeness, this

could also be converted into a lattice. For example, an edge could be added from the node Drive to Train Station to the Car node and from Walk to Train Station

to the Walk node. Figure 3.11 shows an AND-exclusive OR type lattice.

Another way of describing problem solutions is an AND-OR-NOT lattice, which uses logic gate symbols instead of the AND-OR tree type notation. The

logic gate symbols for AND, OR, and NOT are shown in Figure 3.12. These