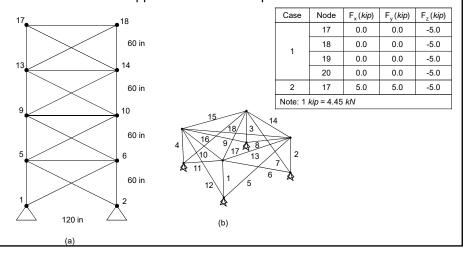
## Homework Problems

c) For the 72-bar truss shown below, determine the displacements and elemental stresses. Nodes 1, 2, 3, and 4 are pin connections. Let  $E = 10^7$  psi and the A = 1.0 in<sup>2</sup> for the first two stories and A = 0.5 in<sup>2</sup> for the top two stories. Table 3 lists the values and directions of the two loads cases applied to the 72-bar space truss.



## **End of Chapter 3b**