

**FIGURE P3-19**

Problems 3-84 to 3-87

- 3-84 Design a fourbar mechanism to move the link shown in Figure P3-19 from position 1 to position 2. Ignore the third position and the fixed pivots O_2 and O_4 shown. Build a cardboard model that demonstrates the required movement.
- 3-85 Design a fourbar mechanism to move the link shown in Figure P3-19 from position 2 to position 3. Ignore the first position and the fixed pivots O_2 and O_4 shown. Build a cardboard model that demonstrates the required movement.
- 3-86 Design a fourbar mechanism to give the three positions shown in Figure P3-19. Ignore the points O_2 and O_4 shown. Build a cardboard model that has stops to limit its motion to the range of positions designed.
- 3-87 Design a fourbar mechanism to give the three positions shown in Figure P3-19 using the fixed pivots O_2 and O_4 shown. See Example 3-7 (p. 113). Build a cardboard model that has stops to limit its motion to the range of positions designed.