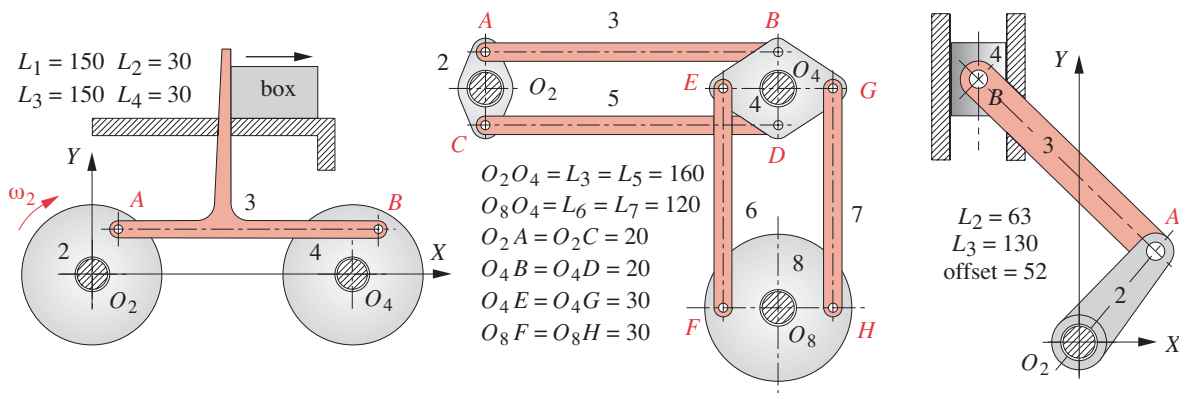


(a) Fourbar linkage

(b) Fourbar linkage

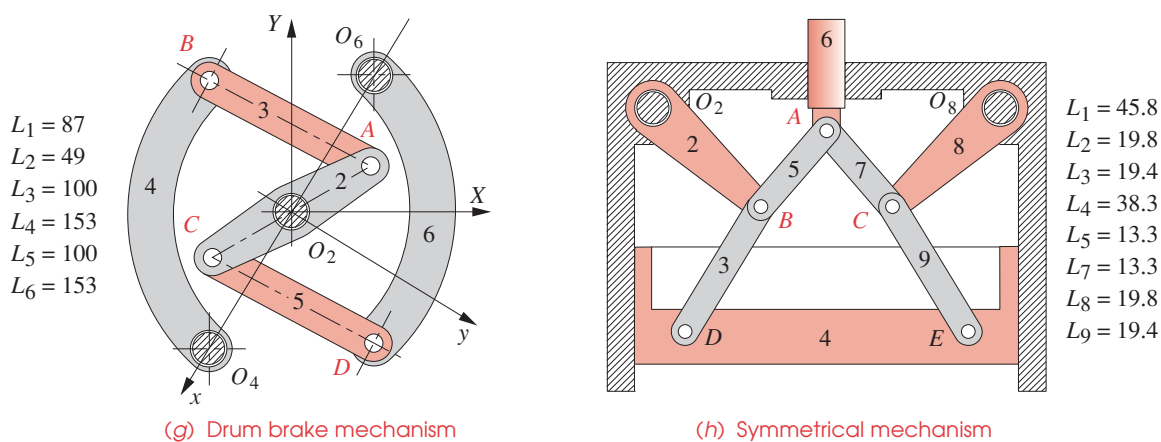
(c) Radial compressor



(d) Walking beam conveyor

(e) Bellcrank mechanism

(f) Offset slider crank



(g) Drum brake mechanism

(h) Symmetrical mechanism

all dimensions in mm

FIGURE P2-4

Problems 2-21 to 2-23 Adapted from P. H. Hill and W. P. Rube. (1960) *Mechanisms: Analysis and Design*, with permission

*2-21 Find the mobility of the mechanisms in Figure P2-4.

* Answers in Appendix F.

2-22 Find the Grashof condition and Barker classifications of the mechanisms in Figure P2-4a, b, and d.

2-23 Find the rotatability of each loop of the mechanisms in Figure P2-4e, f, and g.