

(P16.1)

Consider the Methanol(1) + Water(2) + Acetone(3) system with a feed shown in Figure 16.10(b). Rate each of the following products as impossible or possible, and explain.

D (x1, x2)    B (x1, x2)

- (a) (1,0)    (0,.45) impossible, not in bow tie.
- (b) (0.4,0)    (0,1) impossible, not colinear
- (c) (0.4, 0)    (0.1, 0.9) possible
- (d) (0.3, 0.7)    (0.35,0) impossible because D and B are reversed