Problem 3:

b)

total = (2, 2, 1, 3)

allocated = (1, 2, 1, 3)

available = (1, 0, 0, 0)

It’s enough for P1

P1 returns everything.

allocated = (1, 1, 1, 2)

available = (1, 1, 0, 1)

It’s enough for P2

P2 returns everything.

allocated = (1, 1, 0, 1)

available= (1, 1, 1, 2)

It’s enough for P0

P0 returns everything.

**No deadlock.**