Sample output for Assignment 5(a)

Suppose there are 3 lions and 3 jackals.
Lion, Jackal and Ranger processes run on three terminals respectively (say Terminal1-Jackal, Terminal2-Lion, Terminal3-Ranger).

Jackal process (on Terminal1):
Say jackal 2 requests food from meat pit 2. The jackal process should print:

a. 'Jackal 2 requesting food from meat-pit 2'
b. 'Jackal 2 in control of meat-pit 2'

Jackal 1 requests food from meat pit 3. Your prog. should print:

c. 'Jackal 1 requesting food from meat-pit 3'
d. 'Jackal 1 in control of meat-pit 3'

Lion process (on Terminal2):
Lion 1 requests food from meat pit 2. The lion process should print:

a. 'Lion 1 requesting food from meat-pit 2'
b. 'Lion 1 denied access'
c. 'Lion 1 requesting food from meat-pit 3'
d. 'Lion 1 denied access'
e. 'Lion 1 requesting food from meat-pit 1'
f. 'Lion 1 in control of meat-pit 1'

If on the other hand, meat pit 1 is empty, (e) and (f) of 3 should be:

g. 'Lion 1 requesting food from meat-pit 1'
h. 'Meat pit 1 empty'
i. 'Lion 1 in wait queue of meat pit 1'
j.

Jackal process (on Terminal1):
Now say, jackal 2 leaves meat pit 2. The jackal process should print:

a. 'Jackal 2 left meat pit 2'
b. 'Jackal 2 giving signal to wait queue of all meat pit'

Ranger process (on Terminal3)
Now the ranger desires to supply food in meat pit 2. The following should be printed in the ranger process terminal:

a. 'Ranger requesting control over meat pit 2'
b. 'Ranger denied access over meat pit 2'
c. 'Ranger requesting control over meat pit 3'
d. 'Ranger denied access over meat-pit 3'
e. 'Ranger requesting control over meat pit 1'

f. ‘Ranger in control of meat pit 1’

In assignment 5(b), similar kind of output is expected for the Barber and customer(s).