2c

loop YEAR from 1 to 10

loop i from 1 to 7

Future\_pop[i] = 0

end loop

loop i from 1 to 7

Future\_pop[i] = Curr\_Pop[i] \* Table[i][i]

loop j from 1 to 7

Future\_pop[i] = Future\_pop[i] - Table[i][j] \* Curr\_Pop[i]

loop k from 1 to 7

Future\_pop[i] = Future\_pop[i] +Table[k][i] \* Curr\_Pop[k]

Curr\_Pop[i] = Curr\_Pop[i] + Future\_pop[i]

end loop

end loop

4b

counter = 0

lengthofq1 = 0

lengthofq2 = 0

while(q1.hasNext())

q1.next()

lengthofq1 ++;

end while

Node target

Node target\_1

Node target\_2

counter = 0

while(counter <= lengthofq1 - 3)

counter ++

target = q1.next()

end while

counter = 0

while(counter <= lengthofq1 - 4)

counter ++

target\_1 = q1.next()

end while

counter = 0

while(counter <= lengthofq1 - 2)

counter ++

target\_2 = q1.next

end while

Node tail

while(q2.hasNext)

tail = q2.next()

end while

tail.setNext(target)

target\_1.setNext(target\_2)

target.setNext(null)