Loop Year from 1 to 10

Loop Z from 0 to 6

Future\_Pop[z] = 0

End loop

Loop K from 0 to 6

Loop J from K to 6

If j = K then

Future\_Pop[k] = Curr\_Pop[k] \* Table[k][k]

Else

Future\_Pop[K] = Future\_Pop[k] + (Curr\_Pop[J]\*Table[J][K])

* (Table[K][J]\*Curr\_Pop[k])

End if

Loop Z from 0 to 6

Curr\_Pop[Z] = Future\_Pop[Z]

End loop

End loop

End loop

Loop Z from 0 to 6

Output Curr\_Pop[Z]

End loop

4(b)

Traverse Q1 to the end

Traverse Q2 to the end

Find the last Third in Q1, reassign pointer on it

Reassign pointer of last in Q2 to third last in Q1

Reassign poiter from forth last in Q1 to second last in Q1

Set third last in Q1’s pointer to null

