ITRW222

KLASTOETS 5 /CLASS TEST 5

Naam / Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nr. / No:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Assume the following code exists: / Aanvaar die volgende kode bestaan:

public class Queue

{ private Listing[] data;

private int size;

private int numOfNodes;

private int front;

private int rear;

public Queue()

{ size = 100;

numOfNodes = 0;

front = 0;

rear = 0;

data = new Listing[100];

}

Ontwerp ’n metode vir die klas Queue genaamd: d*equeue()*

public boolean dequeue(Listing newNode)

{

if(numOfNodes == 0)

return null; // \*\* overflow error \*\*

else

{

frontlocation = front;

front = (front +1) % size;

numOfNodes = numOfNodes -1;

return data[frontlocation]

}

}Design a method for the class Queue called: *dequeue()*.

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