ITRW222

KLASTOETS 5A /CLASS TEST 5A

21 Aug. 2017

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: *enque()*

public boolean enque(Listing newNode)

{ if(numOfNodes == size)

return false; // \*\* overflow error \*\*

else

{ numOfNodes = numOfNodes +1;

data[rear] = newNode.deepCopy();

rear = (rear +1) % size;

return true; //

}

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

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