Part (a)

public Digits(int num)

{

digitList = new ArrayList<Integer>();

if (num < 10)

{

digitList.add(num);

}

while (num > 10)

{

digitList.add(0, num % 10);

num /= 10;

}

}

Part (b)

public boolean isStrictlyIncreasing()

{

if(digitList.size() == 1)

return true;

else

{

for (int i = 1; i < digitList.size(); i++)

{

if (digitList.get(i - 1) >= digitList.get(i))

{

return false;

}

}

return true;

}

}