323.25 Final Question 2

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Source Code:

```java
import java.io.*;

import java.util.Scanner;


public class Main {


    public static void main(String[] args) throws Exception
{

        Scanner inFile, inFile2;

        BufferedWriter outFile, debugFile;

        inFile = new Scanner(new File(args[0]));

        inFile2 = new Scanner(new File(args[1]));

        outFile = new BufferedWriter(new
FileWriter(args[2], true));

        debugFile = new BufferedWriter(new
FileWriter(args[3], true));


        int data1 = 0, data2 = 0;


        data1 = inFile.nextInt();
```

```java
        data2 = inFile2.nextInt();


        while(inFile.hasNext() && inFile2.hasNext()){
            debugFile.write("\nData1: " + data1 + "  Data2:
" + data2 + "\n");


            if(data1 <= data2){
                outFile.write(data1 + "\n");
                data1 = inFile.nextInt();
            }else{
                outFile.write(data2 + "\n");
                data2 = inFile2.nextInt();
            }
        }


        if(data1 <= data2 && data1!=0) {
            outFile.write(data1 + "\n");
            outFile.write(data2 + "\n");
        }else{
            outFile.write(data2 + "\n");
            outFile.write(data1 + "\n");
        }


        while(inFile.hasNext()){
```

```java
            data1 = inFile.nextInt();

            outFile.write(data1 + "\n");

        }


        while(inFile2.hasNext()){

            data2 = inFile2.nextInt();

            outFile.write(data2);

        }


        inFile.close();

        inFile2.close();

        outFile.close();

        debugFile.close();

    }
}
```

OutFile:

4

4

5

8

9

10

10

18

18

21

24

25

29

31

36

36

43

45

47

48

50

52

55

55

63

67

70

77

82

88

90

99

99

118

120

613

613

Debugging Print:

Data1: 4 Data2: 4

Data1: 8 Data2: 4

```
Data1: 8   Data2: 5

Data1: 8   Data2: 9

Data1: 10   Data2: 9

Data1: 10   Data2: 10

Data1: 18   Data2: 10

Data1: 18   Data2: 18

Data1: 21   Data2: 18

Data1: 21   Data2: 24

Data1: 25   Data2: 24

Data1: 25   Data2: 29

Data1: 31   Data2: 29

Data1: 31   Data2: 36
```

```
Data1: 36   Data2: 36

Data1: 47   Data2: 36

Data1: 47   Data2: 43

Data1: 47   Data2: 45

Data1: 47   Data2: 48

Data1: 50   Data2: 48

Data1: 50   Data2: 52

Data1: 55   Data2: 52

Data1: 55   Data2: 55

Data1: 67   Data2: 55

Data1: 67   Data2: 63

Data1: 67   Data2: 70
```

```
Data1: 88   Data2: 70

Data1: 88   Data2: 77

Data1: 88   Data2: 82

Data1: 88   Data2: 90

Data1: 99   Data2: 90

Data1: 99   Data2: 99

Data1: 120   Data2: 99

Data1: 120   Data2: 118
```