Tim 2

nFP 5

nSS 5

/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/bin/java -Didea.launcher.port=7532 "-Didea.launcher.bin.path=/Applications/IntelliJ IDEA.app/Contents/bin" -Dfile.encoding=UTF-8 -classpath "/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/charsets.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/deploy.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/cldrdata.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/dnsns.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/jaccess.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/jfxrt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/localedata.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/nashorn.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/sunec.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/sunjce\_provider.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/sunpkcs11.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/ext/zipfs.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/javaws.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/jce.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/jfr.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/jfxswt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/jsse.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/management-agent.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/plugin.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/resources.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/jre/lib/rt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/ant-javafx.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/dt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/javafx-mx.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/jconsole.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/packager.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/sa-jdi.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0\_144.jdk/Contents/Home/lib/tools.jar:/Users/juliananderson/Dropbox/skripsi-java-fix/out/production/skripsi:/Applications/IntelliJ IDEA.app/Contents/lib/idea\_rt.jar" com.intellij.rt.execution.application.AppMain Main

SLC for CVRP

Number of Vehicle = Vehicle's Capacity = Number of Customers = Number of Teams = Number of Fixed Player(nFP) = Number of Substitute Player(nS) = Number of Player in Each Team = 10

Number of Player in the League = 20

Demand Pelanggan =

2

1

3

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13

21

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23

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24 40

86 82

68 14

28 46

10 8

8 14

10 10

104 104

38 24

80 82

22 46

26 40

4 10

10 12

26 44

4 10

4 98

78 82

64 8

98 98

24 40

10 8

8 96

8 8

84 90

8 8

86 86

6 94

10 10

80 82

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36 26

44 28

22 46

100 100

28 42

30 40

78 84

10 4

78 84

6 8

10 94

40 66

10 16

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Demand Pelanggan 54 = 12

Demand Pelanggan 55 = 9

Demand Pelanggan 56 = 13

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34.00 0.00 45.00 40.00 48.00 27.00 60.00 69.00 64.00 66.00 39.00 58.00 61.00 25.00 53.00 56.00 17.00 59.00 55.00 58.00 80.00 37.00 48.00 21.00 24.00 61.00 56.00 20.00 61.00 50.00 46.00 59.00 71.00 25.00 59.00 45.00 60.00 55.00 60.00 55.00 45.00 58.00 48.00 74.00 35.00 34.00 21.00 74.00 21.00 22.00 47.00 63.00 47.00 61.00 43.00 6.00 52.00

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90.00 58.00 72.00 31.00 104.00 52.00 3.00 91.00 61.00 59.00 30.00 0.00 58.00 50.00 75.00 6.00 51.00 54.00 56.00 54.00 102.00 30.00 74.00 55.00 48.00 60.00 54.00 51.00 60.00 107.00 73.00 2.00 94.00 50.00 54.00 103.00 56.00 82.00 56.00 79.00 102.00 54.00 74.00 94.00 32.00 27.00 55.00 97.00 48.00 45.00 75.00 54.00 75.00 58.00 100.00 61.00 54.00

75.00 61.00 102.00 32.00 85.00 34.00 57.00 126.00 3.00 5.00 33.00 58.00 0.00 37.00 109.00 62.00 44.00 4.00 6.00 4.00 137.00 36.00 105.00 41.00 38.00 3.00 6.00 41.00 3.00 90.00 103.00 58.00 129.00 37.00 4.00 88.00 2.00 113.00 2.00 112.00 86.00 4.00 105.00 130.00 35.00 43.00 41.00 132.00 40.00 40.00 105.00 6.00 105.00 0.00 86.00 67.00 9.00

45.00 25.00 67.00 22.00 58.00 3.00 51.00 91.00 39.00 42.00 22.00 50.00 37.00 0.00 75.00 51.00 7.00 35.00 31.00 33.00 102.00 21.00 70.00 6.00 2.00 36.00 31.00 4.00 36.00 61.00 68.00 51.00 94.00 0.00 35.00 58.00 36.00 78.00 36.00 77.00 57.00 33.00 70.00 96.00 18.00 23.00 6.00 97.00 4.00 6.00 70.00 39.00 70.00 37.00 56.00 31.00 28.00

75.00 53.00 9.00 80.00 86.00 78.00 78.00 17.00 112.00 113.00 78.00 75.00 109.00 75.00 0.00 70.00 68.00 106.00 103.00 105.00 28.00 75.00 6.00 73.00 73.00 109.00 103.00 71.00 109.00 84.00 8.00 77.00 20.00 75.00 106.00 79.00 108.00 8.00 108.00 4.00 81.00 105.00 6.00 21.00 75.00 68.00 73.00 23.00 70.00 70.00 8.00 109.00 8.00 109.00 77.00 49.00 101.00

89.00 56.00 68.00 34.00 104.00 53.00 9.00 86.00 65.00 64.00 33.00 6.00 62.00 51.00 70.00 0.00 51.00 58.00 60.00 58.00 97.00 32.00 69.00 56.00 49.00 64.00 58.00 52.00 64.00 106.00 69.00 7.00 89.00 51.00 58.00 102.00 60.00 78.00 60.00 74.00 101.00 58.00 69.00 89.00 34.00 28.00 56.00 92.00 49.00 46.00 71.00 59.00 71.00 62.00 99.00 59.00 58.00

41.00 17.00 60.00 26.00 54.00 10.00 52.00 85.00 46.00 49.00 25.00 51.00 44.00 7.00 68.00 51.00 0.00 42.00 38.00 40.00 96.00 24.00 63.00 6.00 6.00 43.00 38.00 3.00 43.00 57.00 62.00 52.00 87.00 7.00 42.00 54.00 43.00 71.00 43.00 70.00 53.00 40.00 63.00 89.00 22.00 24.00 6.00 90.00 4.00 6.00 63.00 46.00 63.00 44.00 51.00 23.00 35.00

75.00 59.00 99.00 28.00 85.00 33.00 53.00 123.00 7.00 7.00 30.00 54.00 4.00 35.00 106.00 58.00 42.00 0.00 6.00 2.00 134.00 32.00 102.00 40.00 36.00 6.00 4.00 39.00 6.00 90.00 100.00 54.00 126.00 35.00 0.00 88.00 2.00 110.00 2.00 109.00 86.00 2.00 102.00 127.00 32.00 39.00 40.00 129.00 38.00 38.00 102.00 4.00 102.00 4.00 86.00 65.00 8.00

69.00 55.00 96.00 28.00 79.00 28.00 55.00 120.00 9.00 11.00 29.00 56.00 6.00 31.00 103.00 60.00 38.00 6.00 0.00 4.00 132.00 32.00 99.00 35.00 32.00 6.00 3.00 35.00 6.00 84.00 98.00 56.00 123.00 31.00 6.00 82.00 6.00 107.00 6.00 106.00 80.00 4.00 99.00 125.00 30.00 39.00 35.00 126.00 34.00 34.00 99.00 10.00 99.00 6.00 80.00 61.00 3.00

73.00 58.00 98.00 27.00 83.00 31.00 53.00 122.00 8.00 9.00 29.00 54.00 4.00 33.00 105.00 58.00 40.00 2.00 4.00 0.00 133.00 31.00 100.00 38.00 34.00 6.00 2.00 38.00 6.00 88.00 99.00 54.00 124.00 33.00 2.00 86.00 3.00 109.00 3.00 107.00 84.00 0.00 100.00 126.00 31.00 38.00 38.00 127.00 37.00 36.00 100.00 6.00 100.00 4.00 84.00 64.00 6.00

95.00 80.00 35.00 108.00 104.00 105.00 105.00 11.00 140.00 141.00 107.00 102.00 137.00 102.00 28.00 97.00 96.00 134.00 132.00 133.00 0.00 104.00 33.00 100.00 101.00 137.00 132.00 98.00 137.00 100.00 34.00 104.00 8.00 102.00 134.00 96.00 136.00 24.00 136.00 25.00 99.00 133.00 33.00 8.00 103.00 97.00 100.00 6.00 98.00 98.00 33.00 137.00 33.00 137.00 95.00 74.00 129.00

65.00 37.00 69.00 4.00 78.00 23.00 30.00 92.00 39.00 39.00 3.00 30.00 36.00 21.00 75.00 32.00 24.00 32.00 32.00 31.00 104.00 0.00 72.00 27.00 20.00 37.00 30.00 23.00 37.00 81.00 70.00 31.00 95.00 21.00 32.00 78.00 34.00 80.00 34.00 78.00 77.00 31.00 72.00 96.00 3.00 7.00 27.00 98.00 21.00 18.00 72.00 34.00 72.00 36.00 75.00 42.00 29.00

69.00 48.00 3.00 76.00 80.00 73.00 77.00 21.00 107.00 109.00 74.00 74.00 105.00 70.00 6.00 69.00 63.00 102.00 99.00 100.00 33.00 72.00 0.00 68.00 68.00 105.00 99.00 66.00 105.00 78.00 2.00 76.00 24.00 70.00 102.00 73.00 103.00 9.00 103.00 7.00 75.00 100.00 0.00 26.00 71.00 65.00 68.00 27.00 66.00 65.00 3.00 105.00 3.00 105.00 71.00 43.00 96.00

39.00 21.00 65.00 28.00 51.00 7.00 57.00 90.00 43.00 46.00 28.00 55.00 41.00 6.00 73.00 56.00 6.00 40.00 35.00 38.00 100.00 27.00 68.00 0.00 7.00 40.00 36.00 4.00 40.00 55.00 67.00 57.00 92.00 6.00 40.00 52.00 40.00 76.00 40.00 75.00 51.00 38.00 68.00 94.00 24.00 28.00 0.00 95.00 7.00 10.00 68.00 44.00 68.00 41.00 49.00 27.00 32.00

46.00 24.00 65.00 21.00 59.00 5.00 50.00 90.00 40.00 43.00 21.00 48.00 38.00 2.00 73.00 49.00 6.00 36.00 32.00 34.00 101.00 20.00 68.00 7.00 0.00 37.00 32.00 4.00 37.00 62.00 67.00 50.00 92.00 2.00 36.00 59.00 37.00 77.00 37.00 76.00 58.00 34.00 68.00 94.00 17.00 22.00 7.00 95.00 3.00 4.00 68.00 39.00 68.00 38.00 56.00 30.00 29.00

73.00 61.00 102.00 33.00 83.00 34.00 59.00 126.00 3.00 7.00 34.00 60.00 3.00 36.00 109.00 64.00 43.00 6.00 6.00 6.00 137.00 37.00 105.00 40.00 37.00 0.00 6.00 40.00 0.00 88.00 103.00 60.00 129.00 36.00 6.00 86.00 4.00 113.00 4.00 112.00 84.00 6.00 105.00 130.00 36.00 44.00 40.00 132.00 40.00 40.00 105.00 8.00 105.00 3.00 84.00 67.00 8.00

71.00 56.00 96.00 27.00 81.00 29.00 53.00 120.00 9.00 10.00 28.00 54.00 6.00 31.00 103.00 58.00 38.00 4.00 3.00 2.00 132.00 30.00 99.00 36.00 32.00 6.00 0.00 36.00 6.00 86.00 98.00 54.00 123.00 31.00 4.00 84.00 4.00 108.00 4.00 106.00 82.00 2.00 99.00 125.00 30.00 38.00 36.00 126.00 35.00 34.00 99.00 8.00 99.00 6.00 82.00 62.00 4.00

42.00 20.00 63.00 25.00 55.00 7.00 52.00 87.00 44.00 46.00 24.00 51.00 41.00 4.00 71.00 52.00 3.00 39.00 35.00 38.00 98.00 23.00 66.00 4.00 4.00 40.00 36.00 0.00 40.00 58.00 64.00 52.00 90.00 4.00 39.00 55.00 40.00 74.00 40.00 73.00 54.00 38.00 66.00 92.00 21.00 24.00 4.00 93.00 3.00 6.00 66.00 43.00 66.00 41.00 52.00 26.00 32.00

73.00 61.00 102.00 33.00 83.00 34.00 59.00 126.00 3.00 7.00 34.00 60.00 3.00 36.00 109.00 64.00 43.00 6.00 6.00 6.00 137.00 37.00 105.00 40.00 37.00 0.00 6.00 40.00 0.00 88.00 103.00 60.00 129.00 36.00 6.00 86.00 4.00 113.00 4.00 112.00 84.00 6.00 105.00 130.00 36.00 44.00 40.00 132.00 40.00 40.00 105.00 8.00 105.00 3.00 84.00 67.00 8.00

17.00 50.00 75.00 83.00 6.00 61.00 108.00 93.00 91.00 95.00 82.00 107.00 90.00 61.00 84.00 106.00 57.00 90.00 84.00 88.00 100.00 81.00 78.00 55.00 62.00 88.00 86.00 58.00 88.00 0.00 76.00 108.00 94.00 61.00 90.00 4.00 90.00 80.00 90.00 83.00 4.00 88.00 78.00 98.00 79.00 81.00 55.00 96.00 61.00 64.00 75.00 94.00 75.00 90.00 7.00 48.00 82.00

67.00 46.00 1.00 75.00 78.00 71.00 76.00 23.00 106.00 108.00 73.00 73.00 103.00 68.00 8.00 69.00 62.00 100.00 98.00 99.00 34.00 70.00 2.00 67.00 67.00 103.00 98.00 64.00 103.00 76.00 0.00 75.00 26.00 68.00 100.00 71.00 102.00 10.00 102.00 9.00 73.00 99.00 2.00 28.00 70.00 64.00 67.00 28.00 64.00 64.00 2.00 103.00 2.00 103.00 69.00 41.00 95.00

92.00 59.00 74.00 32.00 106.00 53.00 1.00 93.00 61.00 59.00 31.00 2.00 58.00 51.00 77.00 7.00 52.00 54.00 56.00 54.00 104.00 31.00 76.00 57.00 50.00 60.00 54.00 52.00 60.00 108.00 75.00 0.00 96.00 51.00 54.00 104.00 56.00 84.00 56.00 81.00 104.00 54.00 76.00 96.00 33.00 28.00 57.00 99.00 50.00 47.00 77.00 54.00 77.00 58.00 102.00 63.00 55.00

88.00 71.00 27.00 99.00 97.00 97.00 97.00 3.00 132.00 133.00 98.00 94.00 129.00 94.00 20.00 89.00 87.00 126.00 123.00 124.00 8.00 95.00 24.00 92.00 92.00 129.00 123.00 90.00 129.00 94.00 26.00 96.00 0.00 94.00 126.00 90.00 127.00 16.00 127.00 17.00 92.00 124.00 24.00 4.00 95.00 88.00 92.00 3.00 90.00 89.00 24.00 129.00 24.00 129.00 88.00 66.00 120.00

45.00 25.00 67.00 22.00 58.00 3.00 51.00 91.00 39.00 42.00 22.00 50.00 37.00 0.00 75.00 51.00 7.00 35.00 31.00 33.00 102.00 21.00 70.00 6.00 2.00 36.00 31.00 4.00 36.00 61.00 68.00 51.00 94.00 0.00 35.00 58.00 36.00 78.00 36.00 77.00 57.00 33.00 70.00 96.00 18.00 23.00 6.00 97.00 4.00 6.00 70.00 39.00 70.00 37.00 56.00 31.00 28.00

75.00 59.00 99.00 28.00 85.00 33.00 53.00 123.00 7.00 7.00 30.00 54.00 4.00 35.00 106.00 58.00 42.00 0.00 6.00 2.00 134.00 32.00 102.00 40.00 36.00 6.00 4.00 39.00 6.00 90.00 100.00 54.00 126.00 35.00 0.00 88.00 2.00 110.00 2.00 109.00 86.00 2.00 102.00 127.00 32.00 39.00 40.00 129.00 38.00 38.00 102.00 4.00 102.00 4.00 86.00 65.00 8.00

13.00 45.00 71.00 80.00 8.00 58.00 105.00 89.00 89.00 93.00 79.00 103.00 88.00 58.00 79.00 102.00 54.00 88.00 82.00 86.00 96.00 78.00 73.00 52.00 59.00 86.00 84.00 55.00 86.00 4.00 71.00 104.00 90.00 58.00 88.00 0.00 88.00 76.00 88.00 79.00 3.00 86.00 73.00 94.00 75.00 77.00 52.00 92.00 58.00 60.00 71.00 92.00 71.00 88.00 3.00 44.00 80.00

75.00 60.00 100.00 30.00 85.00 34.00 55.00 124.00 5.00 6.00 31.00 56.00 2.00 36.00 108.00 60.00 43.00 2.00 6.00 3.00 136.00 34.00 103.00 40.00 37.00 4.00 4.00 40.00 4.00 90.00 102.00 56.00 127.00 36.00 2.00 88.00 0.00 112.00 0.00 110.00 86.00 3.00 103.00 129.00 33.00 41.00 40.00 130.00 39.00 39.00 103.00 4.00 103.00 2.00 86.00 66.00 8.00

73.00 55.00 11.00 85.00 83.00 81.00 86.00 14.00 116.00 118.00 83.00 82.00 113.00 78.00 8.00 78.00 71.00 110.00 107.00 109.00 24.00 80.00 9.00 76.00 77.00 113.00 108.00 74.00 113.00 80.00 10.00 84.00 16.00 78.00 110.00 76.00 112.00 0.00 112.00 4.00 78.00 109.00 9.00 19.00 80.00 74.00 76.00 19.00 74.00 74.00 8.00 113.00 8.00 113.00 74.00 50.00 105.00

75.00 60.00 100.00 30.00 85.00 34.00 55.00 124.00 5.00 6.00 31.00 56.00 2.00 36.00 108.00 60.00 43.00 2.00 6.00 3.00 136.00 34.00 103.00 40.00 37.00 4.00 4.00 40.00 4.00 90.00 102.00 56.00 127.00 36.00 2.00 88.00 0.00 112.00 0.00 110.00 86.00 3.00 103.00 129.00 33.00 41.00 40.00 130.00 39.00 39.00 103.00 4.00 103.00 2.00 86.00 66.00 8.00

75.00 55.00 10.00 83.00 85.00 80.00 82.00 14.00 115.00 116.00 81.00 79.00 112.00 77.00 4.00 74.00 70.00 109.00 106.00 107.00 25.00 78.00 7.00 75.00 76.00 112.00 106.00 73.00 112.00 83.00 9.00 81.00 17.00 77.00 109.00 79.00 110.00 4.00 110.00 0.00 80.00 107.00 7.00 19.00 78.00 72.00 75.00 20.00 73.00 72.00 8.00 112.00 8.00 112.00 76.00 50.00 103.00

12.00 45.00 72.00 79.00 5.00 57.00 104.00 91.00 87.00 91.00 78.00 102.00 86.00 57.00 81.00 101.00 53.00 86.00 80.00 84.00 99.00 77.00 75.00 51.00 58.00 84.00 82.00 54.00 84.00 4.00 73.00 104.00 92.00 57.00 86.00 3.00 86.00 78.00 86.00 80.00 0.00 84.00 75.00 96.00 74.00 76.00 51.00 94.00 56.00 59.00 73.00 90.00 73.00 86.00 4.00 44.00 78.00

73.00 58.00 98.00 27.00 83.00 31.00 53.00 122.00 8.00 9.00 29.00 54.00 4.00 33.00 105.00 58.00 40.00 2.00 4.00 0.00 133.00 31.00 100.00 38.00 34.00 6.00 2.00 38.00 6.00 88.00 99.00 54.00 124.00 33.00 2.00 86.00 3.00 109.00 3.00 107.00 84.00 0.00 100.00 126.00 31.00 38.00 38.00 127.00 37.00 36.00 100.00 6.00 100.00 4.00 84.00 64.00 6.00

69.00 48.00 3.00 76.00 80.00 73.00 77.00 21.00 107.00 109.00 74.00 74.00 105.00 70.00 6.00 69.00 63.00 102.00 99.00 100.00 33.00 72.00 0.00 68.00 68.00 105.00 99.00 66.00 105.00 78.00 2.00 76.00 24.00 70.00 102.00 73.00 103.00 9.00 103.00 7.00 75.00 100.00 0.00 26.00 71.00 65.00 68.00 27.00 66.00 65.00 3.00 105.00 3.00 105.00 71.00 43.00 96.00

92.00 74.00 29.00 101.00 101.00 99.00 97.00 5.00 133.00 134.00 99.00 94.00 130.00 96.00 21.00 89.00 89.00 127.00 125.00 126.00 8.00 96.00 26.00 94.00 94.00 130.00 125.00 92.00 130.00 98.00 28.00 96.00 4.00 96.00 127.00 94.00 129.00 19.00 129.00 19.00 96.00 126.00 26.00 0.00 96.00 89.00 94.00 4.00 92.00 91.00 27.00 130.00 27.00 130.00 92.00 69.00 122.00

62.00 35.00 69.00 5.00 76.00 20.00 33.00 92.00 38.00 39.00 4.00 32.00 35.00 18.00 75.00 34.00 22.00 32.00 30.00 31.00 103.00 3.00 71.00 24.00 17.00 36.00 30.00 21.00 36.00 79.00 70.00 33.00 95.00 18.00 32.00 75.00 33.00 80.00 33.00 78.00 74.00 31.00 71.00 96.00 0.00 8.00 24.00 98.00 18.00 15.00 72.00 34.00 72.00 35.00 73.00 40.00 28.00

64.00 34.00 62.00 11.00 78.00 25.00 28.00 85.00 46.00 46.00 10.00 27.00 43.00 23.00 68.00 28.00 24.00 39.00 39.00 38.00 97.00 7.00 65.00 28.00 22.00 44.00 38.00 24.00 44.00 81.00 64.00 28.00 88.00 23.00 39.00 77.00 41.00 74.00 41.00 72.00 76.00 38.00 65.00 89.00 8.00 0.00 28.00 91.00 21.00 18.00 66.00 42.00 66.00 43.00 74.00 38.00 36.00

39.00 21.00 65.00 28.00 51.00 7.00 57.00 90.00 43.00 46.00 28.00 55.00 41.00 6.00 73.00 56.00 6.00 40.00 35.00 38.00 100.00 27.00 68.00 0.00 7.00 40.00 36.00 4.00 40.00 55.00 67.00 57.00 92.00 6.00 40.00 52.00 40.00 76.00 40.00 75.00 51.00 38.00 68.00 94.00 24.00 28.00 0.00 95.00 7.00 10.00 68.00 44.00 68.00 41.00 49.00 27.00 32.00

91.00 74.00 30.00 102.00 99.00 100.00 100.00 6.00 134.00 136.00 101.00 97.00 132.00 97.00 23.00 92.00 90.00 129.00 126.00 127.00 6.00 98.00 27.00 95.00 95.00 132.00 126.00 93.00 132.00 96.00 28.00 99.00 3.00 97.00 129.00 92.00 130.00 19.00 130.00 20.00 94.00 127.00 27.00 4.00 98.00 91.00 95.00 0.00 92.00 92.00 27.00 132.00 27.00 132.00 90.00 69.00 123.00

44.00 21.00 63.00 22.00 58.00 8.00 49.00 87.00 43.00 45.00 22.00 48.00 40.00 4.00 70.00 49.00 4.00 38.00 34.00 37.00 98.00 21.00 66.00 7.00 3.00 40.00 35.00 3.00 40.00 61.00 64.00 50.00 90.00 4.00 38.00 58.00 39.00 74.00 39.00 73.00 56.00 37.00 66.00 92.00 18.00 21.00 7.00 92.00 0.00 3.00 65.00 42.00 65.00 40.00 55.00 27.00 32.00

47.00 22.00 62.00 20.00 60.00 9.00 47.00 87.00 43.00 45.00 19.00 45.00 40.00 6.00 70.00 46.00 6.00 38.00 34.00 36.00 98.00 18.00 65.00 10.00 4.00 40.00 34.00 6.00 40.00 64.00 64.00 47.00 89.00 6.00 38.00 60.00 39.00 74.00 39.00 72.00 59.00 36.00 65.00 91.00 15.00 18.00 10.00 92.00 3.00 0.00 65.00 41.00 65.00 40.00 58.00 28.00 31.00

67.00 47.00 3.00 76.00 78.00 73.00 78.00 22.00 107.00 109.00 75.00 75.00 105.00 70.00 8.00 71.00 63.00 102.00 99.00 100.00 33.00 72.00 3.00 68.00 68.00 105.00 99.00 66.00 105.00 75.00 2.00 77.00 24.00 70.00 102.00 71.00 103.00 8.00 103.00 8.00 73.00 100.00 3.00 27.00 72.00 66.00 68.00 27.00 65.00 65.00 0.00 105.00 0.00 105.00 69.00 42.00 96.00

79.00 63.00 102.00 30.00 89.00 37.00 53.00 126.00 8.00 5.00 32.00 54.00 6.00 39.00 109.00 59.00 46.00 4.00 10.00 6.00 137.00 34.00 105.00 44.00 39.00 8.00 8.00 43.00 8.00 94.00 103.00 54.00 129.00 39.00 4.00 92.00 4.00 113.00 4.00 112.00 90.00 6.00 105.00 130.00 34.00 42.00 44.00 132.00 42.00 41.00 105.00 0.00 105.00 6.00 90.00 69.00 12.00

67.00 47.00 3.00 76.00 78.00 73.00 78.00 22.00 107.00 109.00 75.00 75.00 105.00 70.00 8.00 71.00 63.00 102.00 99.00 100.00 33.00 72.00 3.00 68.00 68.00 105.00 99.00 66.00 105.00 75.00 2.00 77.00 24.00 70.00 102.00 71.00 103.00 8.00 103.00 8.00 73.00 100.00 3.00 27.00 72.00 66.00 68.00 27.00 65.00 65.00 0.00 105.00 0.00 105.00 69.00 42.00 96.00

75.00 61.00 102.00 32.00 85.00 34.00 57.00 126.00 3.00 5.00 33.00 58.00 0.00 37.00 109.00 62.00 44.00 4.00 6.00 4.00 137.00 36.00 105.00 41.00 38.00 3.00 6.00 41.00 3.00 90.00 103.00 58.00 129.00 37.00 4.00 88.00 2.00 113.00 2.00 112.00 86.00 4.00 105.00 130.00 35.00 43.00 41.00 132.00 40.00 40.00 105.00 6.00 105.00 0.00 86.00 67.00 9.00

11.00 43.00 68.00 77.00 9.00 56.00 102.00 87.00 87.00 91.00 77.00 100.00 86.00 56.00 77.00 99.00 51.00 86.00 80.00 84.00 95.00 75.00 71.00 49.00 56.00 84.00 82.00 52.00 84.00 7.00 69.00 102.00 88.00 56.00 86.00 3.00 86.00 74.00 86.00 76.00 4.00 84.00 71.00 92.00 73.00 74.00 49.00 90.00 55.00 58.00 69.00 90.00 69.00 86.00 0.00 41.00 78.00

34.00 6.00 40.00 45.00 47.00 33.00 63.00 64.00 70.00 72.00 44.00 61.00 67.00 31.00 49.00 59.00 23.00 65.00 61.00 64.00 74.00 42.00 43.00 27.00 30.00 67.00 62.00 26.00 67.00 48.00 41.00 63.00 66.00 31.00 65.00 44.00 66.00 50.00 66.00 50.00 44.00 64.00 43.00 69.00 40.00 38.00 27.00 69.00 27.00 28.00 42.00 69.00 42.00 67.00 41.00 0.00 58.00

67.00 52.00 93.00 25.00 78.00 25.00 54.00 118.00 11.00 14.00 27.00 54.00 9.00 28.00 101.00 58.00 35.00 8.00 3.00 6.00 129.00 29.00 96.00 32.00 29.00 8.00 4.00 32.00 8.00 82.00 95.00 55.00 120.00 28.00 8.00 80.00 8.00 105.00 8.00 103.00 78.00 6.00 96.00 122.00 28.00 36.00 32.00 123.00 32.00 31.00 96.00 12.00 96.00 9.00 78.00 58.00 0.00

Masukkan Koordinat X pelanggan (tanpa depot):

Masukkan Koordinat y pelanggan (tanpa depot):

Masukin koordinat semua pelanggan (X dan Y tanpa depot)

Coormin = 1.0

Coormax = 104.0

Season - 1

Jarak Terkecil adalah : 1546.0

Season - 2

Jarak Terkecil adalah : 1432.0

Season - 3

Jarak Terkecil adalah : 1349.0

Season - 4

Jarak Terkecil adalah : 1349.0

Season - 5

Jarak Terkecil adalah : 1349.0

Season - 6

Jarak Terkecil adalah : 1349.0

Season - 7

Jarak Terkecil adalah : 1349.0

Season - 8

Jarak Terkecil adalah : 1349.0

Season - 9

Jarak Terkecil adalah : 1349.0

Season - 10

Jarak Terkecil adalah : 1349.0

Super Star Player =

-4.11 -6.28 11.78 25.85 14.54 1.40 -5.33 5.48 36.27 3.51 14.42 -15.19 33.30 4.01 0.24 0.96 2.28 -8.15 34.90 -4.46 -12.56 1349.00

Smallest Distance : 1349.0

Solution :

Player Attribute : -4.11 -6.28 11.78 25.85 14.54 1.40 -5.33 5.48 36.27 3.51 14.42 -15.19 33.30 4.01 0.24 0.96 2.28 -8.15 34.90 -4.46 -12.56

Route :

Route 1 : Depot 37 39 42 19 41 26 Depot

Route 2 : Depot 43 20 47 32 7 14 22 Depot

Route 3 : Depot 25 28 8 9 51 12 53 36 38 18 Depot

Route 4 : Depot 24 56 17 34 3 21 2 30 50 52 Depot

Route 5 : Depot 15 11 31 6 45 48 Depot

Route 6 : Depot 16 49 44 10 5 13 33 27 Depot

Route 7 : Depot 46 23 1 55 54 35 29 4 40 Depot

Process finished with exit code 0