/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 = 6

Number of Player in the League = 18

Demand Pelanggan =

2

1

3

9

13

21

6

22

10

23

2

15

10

23

8

5

14

6

15

18

15

10

17

1

1

18

7

12

9

26

60

12

17

9

7

13

24

10

17

24

25

1

20

14

6

9

11

2

11

17

3

1

8

12

9

13

0 34 66 66 14 45 92 87 76 80 66 90 75 45 75 89 41 75 69 73 95 65 69 39 46 73 71 42 73 17 67 92 88 45 75 13 75 73 75 75 12 73 69 92 62 64 39 91 44 47 67 79 67 75 11 34 67

34 0 45 40 48 27 60 69 64 66 39 58 61 25 53 56 17 59 55 58 80 37 48 21 24 61 56 20 61 50 46 59 71 25 59 45 60 55 60 55 45 58 48 74 35 34 21 74 21 22 47 63 47 61 43 6 52

66 45 0 73 77 70 75 24 105 106 72 72 102 67 9 68 60 99 96 98 35 69 3 65 65 102 96 63 102 75 1 74 27 67 99 71 100 11 100 10 72 98 3 29 69 62 65 30 63 62 3 102 3 102 68 40 93

66 40 73 0 80 23 31 97 35 35 1 31 32 22 80 34 26 28 28 27 108 4 76 28 21 33 27 25 33 83 75 32 99 22 28 80 30 85 30 83 79 27 76 101 5 11 28 102 22 20 76 30 76 32 77 45 25

14 48 77 80 0 58 106 96 86 90 79 104 85 58 86 104 54 85 79 83 104 78 80 51 59 83 81 55 83 6 78 106 97 58 85 8 85 83 85 85 5 83 80 101 76 78 51 99 58 60 78 89 78 85 9 47 78

45 27 70 23 58 0 53 94 37 39 23 52 34 3 78 53 10 33 28 31 105 23 73 7 5 34 29 7 34 61 71 53 97 3 33 58 34 81 34 80 57 31 73 99 20 25 7 100 8 9 73 37 73 34 56 33 25

92 60 75 31 106 53 0 94 60 58 31 3 57 51 78 9 52 53 55 53 105 30 77 57 50 59 53 52 59 108 76 1 97 51 53 105 55 86 55 82 104 53 77 97 33 28 57 100 49 47 78 53 78 57 102 63 54

87 69 24 97 96 94 94 0 129 130 95 91 126 91 17 86 85 123 120 122 11 92 21 90 90 126 120 87 126 93 23 93 3 91 123 89 124 14 124 14 91 122 21 5 92 85 90 6 87 87 22 126 22 126 87 64 118

76 64 105 35 86 37 60 129 0 4 36 61 3 39 112 65 46 7 9 8 140 39 107 43 40 3 9 44 3 91 106 61 132 39 7 89 5 116 5 115 87 8 107 133 38 46 43 134 43 43 107 8 107 3 87 70 11

80 66 106 35 90 39 58 130 4 0 36 59 5 42 113 64 49 7 11 9 141 39 109 46 43 7 10 46 7 95 108 59 133 42 7 93 6 118 6 116 91 9 109 134 39 46 46 136 45 45 109 5 109 5 91 72 14

66 39 72 1 79 23 31 95 36 36 0 30 33 22 78 33 25 30 29 29 107 3 74 28 21 34 28 24 34 82 73 31 98 22 30 79 31 83 31 81 78 29 74 99 4 10 28 101 22 19 75 32 75 33 77 44 27

90 58 72 31 104 52 3 91 61 59 30 0 58 50 75 6 51 54 56 54 102 30 74 55 48 60 54 51 60 107 73 2 94 50 54 103 56 82 56 79 102 54 74 94 32 27 55 97 48 45 75 54 75 58 100 61 54

75 61 102 32 85 34 57 126 3 5 33 58 0 37 109 62 44 4 6 4 137 36 105 41 38 3 6 41 3 90 103 58 129 37 4 88 2 113 2 112 86 4 105 130 35 43 41 132 40 40 105 6 105 0 86 67 9

45 25 67 22 58 3 51 91 39 42 22 50 37 0 75 51 7 35 31 33 102 21 70 6 2 36 31 4 36 61 68 51 94 0 35 58 36 78 36 77 57 33 70 96 18 23 6 97 4 6 70 39 70 37 56 31 28

75 53 9 80 86 78 78 17 112 113 78 75 109 75 0 70 68 106 103 105 28 75 6 73 73 109 103 71 109 84 8 77 20 75 106 79 108 8 108 4 81 105 6 21 75 68 73 23 70 70 8 109 8 109 77 49 101

89 56 68 34 104 53 9 86 65 64 33 6 62 51 70 0 51 58 60 58 97 32 69 56 49 64 58 52 64 106 69 7 89 51 58 102 60 78 60 74 101 58 69 89 34 28 56 92 49 46 71 59 71 62 99 59 58

41 17 60 26 54 10 52 85 46 49 25 51 44 7 68 51 0 42 38 40 96 24 63 6 6 43 38 3 43 57 62 52 87 7 42 54 43 71 43 70 53 40 63 89 22 24 6 90 4 6 63 46 63 44 51 23 35

75 59 99 28 85 33 53 123 7 7 30 54 4 35 106 58 42 0 6 2 134 32 102 40 36 6 4 39 6 90 100 54 126 35 0 88 2 110 2 109 86 2 102 127 32 39 40 129 38 38 102 4 102 4 86 65 8

69 55 96 28 79 28 55 120 9 11 29 56 6 31 103 60 38 6 0 4 132 32 99 35 32 6 3 35 6 84 98 56 123 31 6 82 6 107 6 106 80 4 99 125 30 39 35 126 34 34 99 10 99 6 80 61 3

73 58 98 27 83 31 53 122 8 9 29 54 4 33 105 58 40 2 4 0 133 31 100 38 34 6 2 38 6 88 99 54 124 33 2 86 3 109 3 107 84 0 100 126 31 38 38 127 37 36 100 6 100 4 84 64 6

95 80 35 108 104 105 105 11 140 141 107 102 137 102 28 97 96 134 132 133 0 104 33 100 101 137 132 98 137 100 34 104 8 102 134 96 136 24 136 25 99 133 33 8 103 97 100 6 98 98 33 137 33 137 95 74 129

65 37 69 4 78 23 30 92 39 39 3 30 36 21 75 32 24 32 32 31 104 0 72 27 20 37 30 23 37 81 70 31 95 21 32 78 34 80 34 78 77 31 72 96 3 7 27 98 21 18 72 34 72 36 75 42 29

69 48 3 76 80 73 77 21 107 109 74 74 105 70 6 69 63 102 99 100 33 72 0 68 68 105 99 66 105 78 2 76 24 70 102 73 103 9 103 7 75 100 0 26 71 65 68 27 66 65 3 105 3 105 71 43 96

39 21 65 28 51 7 57 90 43 46 28 55 41 6 73 56 6 40 35 38 100 27 68 0 7 40 36 4 40 55 67 57 92 6 40 52 40 76 40 75 51 38 68 94 24 28 0 95 7 10 68 44 68 41 49 27 32

46 24 65 21 59 5 50 90 40 43 21 48 38 2 73 49 6 36 32 34 101 20 68 7 0 37 32 4 37 62 67 50 92 2 36 59 37 77 37 76 58 34 68 94 17 22 7 95 3 4 68 39 68 38 56 30 29

73 61 102 33 83 34 59 126 3 7 34 60 3 36 109 64 43 6 6 6 137 37 105 40 37 0 6 40 0 88 103 60 129 36 6 86 4 113 4 112 84 6 105 130 36 44 40 132 40 40 105 8 105 3 84 67 8

71 56 96 27 81 29 53 120 9 10 28 54 6 31 103 58 38 4 3 2 132 30 99 36 32 6 0 36 6 86 98 54 123 31 4 84 4 108 4 106 82 2 99 125 30 38 36 126 35 34 99 8 99 6 82 62 4

42 20 63 25 55 7 52 87 44 46 24 51 41 4 71 52 3 39 35 38 98 23 66 4 4 40 36 0 40 58 64 52 90 4 39 55 40 74 40 73 54 38 66 92 21 24 4 93 3 6 66 43 66 41 52 26 32

73 61 102 33 83 34 59 126 3 7 34 60 3 36 109 64 43 6 6 6 137 37 105 40 37 0 6 40 0 88 103 60 129 36 6 86 4 113 4 112 84 6 105 130 36 44 40 132 40 40 105 8 105 3 84 67 8

17 50 75 83 6 61 108 93 91 95 82 107 90 61 84 106 57 90 84 88 100 81 78 55 62 88 86 58 88 0 76 108 94 61 90 4 90 80 90 83 4 88 78 98 79 81 55 96 61 64 75 94 75 90 7 48 82

67 46 1 75 78 71 76 23 106 108 73 73 103 68 8 69 62 100 98 99 34 70 2 67 67 103 98 64 103 76 0 75 26 68 100 71 102 10 102 9 73 99 2 28 70 64 67 28 64 64 2 103 2 103 69 41 95

92 59 74 32 106 53 1 93 61 59 31 2 58 51 77 7 52 54 56 54 104 31 76 57 50 60 54 52 60 108 75 0 96 51 54 104 56 84 56 81 104 54 76 96 33 28 57 99 50 47 77 54 77 58 102 63 55

88 71 27 99 97 97 97 3 132 133 98 94 129 94 20 89 87 126 123 124 8 95 24 92 92 129 123 90 129 94 26 96 0 94 126 90 127 16 127 17 92 124 24 4 95 88 92 3 90 89 24 129 24 129 88 66 120

45 25 67 22 58 3 51 91 39 42 22 50 37 0 75 51 7 35 31 33 102 21 70 6 2 36 31 4 36 61 68 51 94 0 35 58 36 78 36 77 57 33 70 96 18 23 6 97 4 6 70 39 70 37 56 31 28

75 59 99 28 85 33 53 123 7 7 30 54 4 35 106 58 42 0 6 2 134 32 102 40 36 6 4 39 6 90 100 54 126 35 0 88 2 110 2 109 86 2 102 127 32 39 40 129 38 38 102 4 102 4 86 65 8

13 45 71 80 8 58 105 89 89 93 79 103 88 58 79 102 54 88 82 86 96 78 73 52 59 86 84 55 86 4 71 104 90 58 88 0 88 76 88 79 3 86 73 94 75 77 52 92 58 60 71 92 71 88 3 44 80

75 60 100 30 85 34 55 124 5 6 31 56 2 36 108 60 43 2 6 3 136 34 103 40 37 4 4 40 4 90 102 56 127 36 2 88 0 112 0 110 86 3 103 129 33 41 40 130 39 39 103 4 103 2 86 66 8

73 55 11 85 83 81 86 14 116 118 83 82 113 78 8 78 71 110 107 109 24 80 9 76 77 113 108 74 113 80 10 84 16 78 110 76 112 0 112 4 78 109 9 19 80 74 76 19 74 74 8 113 8 113 74 50 105

75 60 100 30 85 34 55 124 5 6 31 56 2 36 108 60 43 2 6 3 136 34 103 40 37 4 4 40 4 90 102 56 127 36 2 88 0 112 0 110 86 3 103 129 33 41 40 130 39 39 103 4 103 2 86 66 8

75 55 10 83 85 80 82 14 115 116 81 79 112 77 4 74 70 109 106 107 25 78 7 75 76 112 106 73 112 83 9 81 17 77 109 79 110 4 110 0 80 107 7 19 78 72 75 20 73 72 8 112 8 112 76 50 103

12 45 72 79 5 57 104 91 87 91 78 102 86 57 81 101 53 86 80 84 99 77 75 51 58 84 82 54 84 4 73 104 92 57 86 3 86 78 86 80 0 84 75 96 74 76 51 94 56 59 73 90 73 86 4 44 78

73 58 98 27 83 31 53 122 8 9 29 54 4 33 105 58 40 2 4 0 133 31 100 38 34 6 2 38 6 88 99 54 124 33 2 86 3 109 3 107 84 0 100 126 31 38 38 127 37 36 100 6 100 4 84 64 6

69 48 3 76 80 73 77 21 107 109 74 74 105 70 6 69 63 102 99 100 33 72 0 68 68 105 99 66 105 78 2 76 24 70 102 73 103 9 103 7 75 100 0 26 71 65 68 27 66 65 3 105 3 105 71 43 96

92 74 29 101 101 99 97 5 133 134 99 94 130 96 21 89 89 127 125 126 8 96 26 94 94 130 125 92 130 98 28 96 4 96 127 94 129 19 129 19 96 126 26 0 96 89 94 4 92 91 27 130 27 130 92 69 122

62 35 69 5 76 20 33 92 38 39 4 32 35 18 75 34 22 32 30 31 103 3 71 24 17 36 30 21 36 79 70 33 95 18 32 75 33 80 33 78 74 31 71 96 0 8 24 98 18 15 72 34 72 35 73 40 28

64 34 62 11 78 25 28 85 46 46 10 27 43 23 68 28 24 39 39 38 97 7 65 28 22 44 38 24 44 81 64 28 88 23 39 77 41 74 41 72 76 38 65 89 8 0 28 91 21 18 66 42 66 43 74 38 36

39 21 65 28 51 7 57 90 43 46 28 55 41 6 73 56 6 40 35 38 100 27 68 0 7 40 36 4 40 55 67 57 92 6 40 52 40 76 40 75 51 38 68 94 24 28 0 95 7 10 68 44 68 41 49 27 32

91 74 30 102 99 100 100 6 134 136 101 97 132 97 23 92 90 129 126 127 6 98 27 95 95 132 126 93 132 96 28 99 3 97 129 92 130 19 130 20 94 127 27 4 98 91 95 0 92 92 27 132 27 132 90 69 123

44 21 63 22 58 8 49 87 43 45 22 48 40 4 70 49 4 38 34 37 98 21 66 7 3 40 35 3 40 61 64 50 90 4 38 58 39 74 39 73 56 37 66 92 18 21 7 92 0 3 65 42 65 40 55 27 32

47 22 62 20 60 9 47 87 43 45 19 45 40 6 70 46 6 38 34 36 98 18 65 10 4 40 34 6 40 64 64 47 89 6 38 60 39 74 39 72 59 36 65 91 15 18 10 92 3 0 65 41 65 40 58 28 31

67 47 3 76 78 73 78 22 107 109 75 75 105 70 8 71 63 102 99 100 33 72 3 68 68 105 99 66 105 75 2 77 24 70 102 71 103 8 103 8 73 100 3 27 72 66 68 27 65 65 0 105 0 105 69 42 96

79 63 102 30 89 37 53 126 8 5 32 54 6 39 109 59 46 4 10 6 137 34 105 44 39 8 8 43 8 94 103 54 129 39 4 92 4 113 4 112 90 6 105 130 34 42 44 132 42 41 105 0 105 6 90 69 12

67 47 3 76 78 73 78 22 107 109 75 75 105 70 8 71 63 102 99 100 33 72 3 68 68 105 99 66 105 75 2 77 24 70 102 71 103 8 103 8 73 100 3 27 72 66 68 27 65 65 0 105 0 105 69 42 96

75 61 102 32 85 34 57 126 3 5 33 58 0 37 109 62 44 4 6 4 137 36 105 41 38 3 6 41 3 90 103 58 129 37 4 88 2 113 2 112 86 4 105 130 35 43 41 132 40 40 105 6 105 0 86 67 9

11 43 68 77 9 56 102 87 87 91 77 100 86 56 77 99 51 86 80 84 95 75 71 49 56 84 82 52 84 7 69 102 88 56 86 3 86 74 86 76 4 84 71 92 73 74 49 90 55 58 69 90 69 86 0 41 78

34 6 40 45 47 33 63 64 70 72 44 61 67 31 49 59 23 65 61 64 74 42 43 27 30 67 62 26 67 48 41 63 66 31 65 44 66 50 66 50 44 64 43 69 40 38 27 69 27 28 42 69 42 67 41 0 58

67 52 93 25 78 25 54 118 11 14 27 54 9 28 101 58 35 8 3 6 129 29 96 32 29 8 4 32 8 82 95 55 120 28 8 80 8 105 8 103 78 6 96 122 28 36 32 123 32 31 96 12 96 9 78 58 0

37

77

35

1

21

63

97

3

5

36

64

6

24

86

68

28

10

8

10

104

38

80

22

26

4

10

26

4

4

78

64

98

24

10

8

8

84

8

86

6

10

80

102

36

44

22

100

28

30

78

10

78

6

10

40

10

61

81

21

93

39

7

95

7

3

22

10

8

40

82

14

46

8

14

10

104

24

82

46

40

10

12

44

10

98

82

8

98

40

8

96

8

90

8

86

94

10

82

96

26

28

46

100

42

40

84

4

84

8

94

66

16

37 61

77 81

35 21

1 93

21 39

63 7

97 95

3 7

5 3

36 22

64 10

6 8

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

102 96

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

Demand Pelanggan 1 = 2

Demand Pelanggan 2 = 1

Demand Pelanggan 3 = 3

Demand Pelanggan 4 = 9

Demand Pelanggan 5 = 13

Demand Pelanggan 6 = 21

Demand Pelanggan 7 = 6

Demand Pelanggan 8 = 22

Demand Pelanggan 9 = 10

Demand Pelanggan 10 = 23

Demand Pelanggan 11 = 2

Demand Pelanggan 12 = 15

Demand Pelanggan 13 = 10

Demand Pelanggan 14 = 23

Demand Pelanggan 15 = 8

Demand Pelanggan 16 = 5

Demand Pelanggan 17 = 14

Demand Pelanggan 18 = 6

Demand Pelanggan 19 = 15

Demand Pelanggan 20 = 18

Demand Pelanggan 21 = 15

Demand Pelanggan 22 = 10

Demand Pelanggan 23 = 17

Demand Pelanggan 24 = 1

Demand Pelanggan 25 = 1

Demand Pelanggan 26 = 18

Demand Pelanggan 27 = 7

Demand Pelanggan 28 = 12

Demand Pelanggan 29 = 9

Demand Pelanggan 30 = 26

Demand Pelanggan 31 = 60

Demand Pelanggan 32 = 12

Demand Pelanggan 33 = 17

Demand Pelanggan 34 = 9

Demand Pelanggan 35 = 7

Demand Pelanggan 36 = 13

Demand Pelanggan 37 = 24

Demand Pelanggan 38 = 10

Demand Pelanggan 39 = 17

Demand Pelanggan 40 = 24

Demand Pelanggan 41 = 25

Demand Pelanggan 42 = 1

Demand Pelanggan 43 = 20

Demand Pelanggan 44 = 14

Demand Pelanggan 45 = 6

Demand Pelanggan 46 = 9

Demand Pelanggan 47 = 11

Demand Pelanggan 48 = 2

Demand Pelanggan 49 = 11

Demand Pelanggan 50 = 17

Demand Pelanggan 51 = 3

Demand Pelanggan 52 = 1

Demand Pelanggan 53 = 8

Demand Pelanggan 54 = 12

Demand Pelanggan 55 = 9

Demand Pelanggan 56 = 13

Matriks Jarak depot ke pelanggan =

0.00 34.00 66.00 66.00 14.00 45.00 92.00 87.00 76.00 80.00 66.00 90.00 75.00 45.00 75.00 89.00 41.00 75.00 69.00 73.00 95.00 65.00 69.00 39.00 46.00 73.00 71.00 42.00 73.00 17.00 67.00 92.00 88.00 45.00 75.00 13.00 75.00 73.00 75.00 75.00 12.00 73.00 69.00 92.00 62.00 64.00 39.00 91.00 44.00 47.00 67.00 79.00 67.00 75.00 11.00 34.00 67.00

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

66.00 45.00 0.00 73.00 77.00 70.00 75.00 24.00 105.00 106.00 72.00 72.00 102.00 67.00 9.00 68.00 60.00 99.00 96.00 98.00 35.00 69.00 3.00 65.00 65.00 102.00 96.00 63.00 102.00 75.00 1.00 74.00 27.00 67.00 99.00 71.00 100.00 11.00 100.00 10.00 72.00 98.00 3.00 29.00 69.00 62.00 65.00 30.00 63.00 62.00 3.00 102.00 3.00 102.00 68.00 40.00 93.00

66.00 40.00 73.00 0.00 80.00 23.00 31.00 97.00 35.00 35.00 1.00 31.00 32.00 22.00 80.00 34.00 26.00 28.00 28.00 27.00 108.00 4.00 76.00 28.00 21.00 33.00 27.00 25.00 33.00 83.00 75.00 32.00 99.00 22.00 28.00 80.00 30.00 85.00 30.00 83.00 79.00 27.00 76.00 101.00 5.00 11.00 28.00 102.00 22.00 20.00 76.00 30.00 76.00 32.00 77.00 45.00 25.00

14.00 48.00 77.00 80.00 0.00 58.00 106.00 96.00 86.00 90.00 79.00 104.00 85.00 58.00 86.00 104.00 54.00 85.00 79.00 83.00 104.00 78.00 80.00 51.00 59.00 83.00 81.00 55.00 83.00 6.00 78.00 106.00 97.00 58.00 85.00 8.00 85.00 83.00 85.00 85.00 5.00 83.00 80.00 101.00 76.00 78.00 51.00 99.00 58.00 60.00 78.00 89.00 78.00 85.00 9.00 47.00 78.00

45.00 27.00 70.00 23.00 58.00 0.00 53.00 94.00 37.00 39.00 23.00 52.00 34.00 3.00 78.00 53.00 10.00 33.00 28.00 31.00 105.00 23.00 73.00 7.00 5.00 34.00 29.00 7.00 34.00 61.00 71.00 53.00 97.00 3.00 33.00 58.00 34.00 81.00 34.00 80.00 57.00 31.00 73.00 99.00 20.00 25.00 7.00 100.00 8.00 9.00 73.00 37.00 73.00 34.00 56.00 33.00 25.00

92.00 60.00 75.00 31.00 106.00 53.00 0.00 94.00 60.00 58.00 31.00 3.00 57.00 51.00 78.00 9.00 52.00 53.00 55.00 53.00 105.00 30.00 77.00 57.00 50.00 59.00 53.00 52.00 59.00 108.00 76.00 1.00 97.00 51.00 53.00 105.00 55.00 86.00 55.00 82.00 104.00 53.00 77.00 97.00 33.00 28.00 57.00 100.00 49.00 47.00 78.00 53.00 78.00 57.00 102.00 63.00 54.00

87.00 69.00 24.00 97.00 96.00 94.00 94.00 0.00 129.00 130.00 95.00 91.00 126.00 91.00 17.00 86.00 85.00 123.00 120.00 122.00 11.00 92.00 21.00 90.00 90.00 126.00 120.00 87.00 126.00 93.00 23.00 93.00 3.00 91.00 123.00 89.00 124.00 14.00 124.00 14.00 91.00 122.00 21.00 5.00 92.00 85.00 90.00 6.00 87.00 87.00 22.00 126.00 22.00 126.00 87.00 64.00 118.00

76.00 64.00 105.00 35.00 86.00 37.00 60.00 129.00 0.00 4.00 36.00 61.00 3.00 39.00 112.00 65.00 46.00 7.00 9.00 8.00 140.00 39.00 107.00 43.00 40.00 3.00 9.00 44.00 3.00 91.00 106.00 61.00 132.00 39.00 7.00 89.00 5.00 116.00 5.00 115.00 87.00 8.00 107.00 133.00 38.00 46.00 43.00 134.00 43.00 43.00 107.00 8.00 107.00 3.00 87.00 70.00 11.00

80.00 66.00 106.00 35.00 90.00 39.00 58.00 130.00 4.00 0.00 36.00 59.00 5.00 42.00 113.00 64.00 49.00 7.00 11.00 9.00 141.00 39.00 109.00 46.00 43.00 7.00 10.00 46.00 7.00 95.00 108.00 59.00 133.00 42.00 7.00 93.00 6.00 118.00 6.00 116.00 91.00 9.00 109.00 134.00 39.00 46.00 46.00 136.00 45.00 45.00 109.00 5.00 109.00 5.00 91.00 72.00 14.00

66.00 39.00 72.00 1.00 79.00 23.00 31.00 95.00 36.00 36.00 0.00 30.00 33.00 22.00 78.00 33.00 25.00 30.00 29.00 29.00 107.00 3.00 74.00 28.00 21.00 34.00 28.00 24.00 34.00 82.00 73.00 31.00 98.00 22.00 30.00 79.00 31.00 83.00 31.00 81.00 78.00 29.00 74.00 99.00 4.00 10.00 28.00 101.00 22.00 19.00 75.00 32.00 75.00 33.00 77.00 44.00 27.00

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 : 1359.0

Season - 2

Jarak Terkecil adalah : 1359.0

Season - 3

Jarak Terkecil adalah : 1359.0

Season - 4

Jarak Terkecil adalah : 1359.0

Season - 5

Jarak Terkecil adalah : 1359.0

Season - 6

Jarak Terkecil adalah : 1359.0

Season - 7

Jarak Terkecil adalah : 1359.0

Season - 8

Jarak Terkecil adalah : 1359.0

Season - 9

Jarak Terkecil adalah : 1359.0

Season - 10

Jarak Terkecil adalah : 1359.0

Season - 11

Jarak Terkecil adalah : 1359.0

Season - 12

Jarak Terkecil adalah : 1359.0

Season - 13

Jarak Terkecil adalah : 1357.0

Season - 14

Jarak Terkecil adalah : 1357.0

Season - 15

Jarak Terkecil adalah : 1357.0

Season - 16

Jarak Terkecil adalah : 1357.0

Season - 17

Jarak Terkecil adalah : 1357.0

Season - 18

Jarak Terkecil adalah : 1357.0

Season - 19

Jarak Terkecil adalah : 1357.0

Season - 20

Jarak Terkecil adalah : 1357.0

Season - 21

Jarak Terkecil adalah : 1357.0

Season - 22

Jarak Terkecil adalah : 1357.0

Season - 23

Jarak Terkecil adalah : 1357.0

Season - 24

Jarak Terkecil adalah : 1357.0

Season - 25

Jarak Terkecil adalah : 1357.0

Season - 26

Jarak Terkecil adalah : 1357.0

Season - 27

Jarak Terkecil adalah : 1357.0

Season - 28

Jarak Terkecil adalah : 1357.0

Season - 29

Jarak Terkecil adalah : 1357.0

Season - 30

Jarak Terkecil adalah : 1357.0

Season - 31

Jarak Terkecil adalah : 1357.0

Season - 32

Jarak Terkecil adalah : 1357.0

Season - 33

Jarak Terkecil adalah : 1357.0

Season - 34

Jarak Terkecil adalah : 1357.0

Season - 35

Jarak Terkecil adalah : 1357.0

Season - 36

Jarak Terkecil adalah : 1357.0

Season - 37

Jarak Terkecil adalah : 1357.0

Season - 38

Jarak Terkecil adalah : 1357.0

Season - 39

Jarak Terkecil adalah : 1357.0

Season - 40

Jarak Terkecil adalah : 1357.0

Season - 41

Jarak Terkecil adalah : 1357.0

Season - 42

Jarak Terkecil adalah : 1357.0

Season - 43

Jarak Terkecil adalah : 1357.0

Season - 44

Jarak Terkecil adalah : 1357.0

Season - 45

Jarak Terkecil adalah : 1357.0

Season - 46

Jarak Terkecil adalah : 1357.0

Season - 47

Jarak Terkecil adalah : 1357.0

Season - 48

Jarak Terkecil adalah : 1357.0

Season - 49

Jarak Terkecil adalah : 1357.0

Season - 50

Jarak Terkecil adalah : 1357.0

Season - 51

Jarak Terkecil adalah : 1357.0

Season - 52

Jarak Terkecil adalah : 1357.0

Season - 53

Jarak Terkecil adalah : 1357.0

Season - 54

Jarak Terkecil adalah : 1357.0

Season - 55

Jarak Terkecil adalah : 1357.0

Season - 56

Jarak Terkecil adalah : 1357.0

Season - 57

Jarak Terkecil adalah : 1357.0

Season - 58

Jarak Terkecil adalah : 1357.0

Season - 59

Jarak Terkecil adalah : 1357.0

Season - 60

Jarak Terkecil adalah : 1357.0

Season - 61

Jarak Terkecil adalah : 1357.0

Season - 62

Jarak Terkecil adalah : 1357.0

Season - 63

Jarak Terkecil adalah : 1357.0

Season - 64

Jarak Terkecil adalah : 1357.0

Season - 65

Jarak Terkecil adalah : 1357.0

Season - 66

Jarak Terkecil adalah : 1357.0

Season - 67

Jarak Terkecil adalah : 1357.0

Season - 68

Jarak Terkecil adalah : 1357.0

Season - 69

Jarak Terkecil adalah : 1357.0

Season - 70

Jarak Terkecil adalah : 1357.0

Season - 71

Jarak Terkecil adalah : 1357.0

Season - 72

Jarak Terkecil adalah : 1357.0

Season - 73

Jarak Terkecil adalah : 1357.0

Season - 74

Jarak Terkecil adalah : 1357.0

Season - 75

Jarak Terkecil adalah : 1357.0

Season - 76

Jarak Terkecil adalah : 1357.0

Season - 77

Jarak Terkecil adalah : 1357.0

Season - 78

Jarak Terkecil adalah : 1357.0

Season - 79

Jarak Terkecil adalah : 1357.0

Season - 80

Jarak Terkecil adalah : 1357.0

Season - 81

Jarak Terkecil adalah : 1357.0

Season - 82

Jarak Terkecil adalah : 1357.0

Season - 83

Jarak Terkecil adalah : 1357.0

Season - 84

Jarak Terkecil adalah : 1357.0

Season - 85

Jarak Terkecil adalah : 1357.0

Season - 86

Jarak Terkecil adalah : 1357.0

Season - 87

Jarak Terkecil adalah : 1357.0

Season - 88

Jarak Terkecil adalah : 1357.0

Season - 89

Jarak Terkecil adalah : 1357.0

Season - 90

Jarak Terkecil adalah : 1357.0

Season - 91

Jarak Terkecil adalah : 1357.0

Season - 92

Jarak Terkecil adalah : 1357.0

Season - 93

Jarak Terkecil adalah : 1357.0

Season - 94

Jarak Terkecil adalah : 1357.0

Season - 95

Jarak Terkecil adalah : 1357.0

Season - 96

Jarak Terkecil adalah : 1357.0

Season - 97

Jarak Terkecil adalah : 1357.0

Season - 98

Jarak Terkecil adalah : 1357.0

Season - 99

Jarak Terkecil adalah : 1357.0

Season - 100

Jarak Terkecil adalah : 1357.0

Super Star Player =

37.37 -107.95 16.70 37.37 -73.34 12.58 108.83 131.94 40.87 -104.24 -79.14 -17.36 -96.89 -31.20 44.97 -313.78 79.05 -108.07 -62.59 -47.89 250.48 1357.00

Smallest Distance : 1357.0

Solution :

Player Attribute : 37.37 -107.95 16.70 37.37 -73.34 12.58 108.83 131.94 40.87 -104.24 -79.14 -17.36 -96.89 -31.20 44.97 -313.78 79.05 -108.07 -62.59 -47.89 250.48

Route :

Route 1 : Depot 26 19 17 34 2 42 39 37 52 Depot

Route 2 : Depot 3 6 31 11 15 45 Depot

Route 3 : Depot 32 47 20 43 7 14 22 Depot

Route 4 : Depot 50 30 21 41 56 24 48 Depot

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

Route 6 : Depot 46 23 1 55 54 35 29 4 40 Depot

Route 7 : Depot 25 28 12 53 8 9 51 36 38 18 Depot

nTeam = 3

nFP = 3

nS = 3

Process finished with exit code 0