**D:\PYPY\_install\pypy3.8-v7.3.7-win64\pypy3.exe** D:/JingdongDataset\_v2/ADMM\_Python1+2.py

Reading data......

read input\_node\_100.csv

customers\_number:99

nodes\_number:101

read input\_link\_100.csv

links\_number:7031

vehicles\_number:16

ADMM Iteration no = 0

ADMM Iteration no = 1

ADMM Iteration no = 2

ADMM Iteration no = 3

ADMM Iteration no = 4

ADMM Iteration no = 5

ADMM Iteration no = 6

ADMM Iteration no = 7

ADMM Iteration no = 8

ADMM Iteration no = 9

ADMM Iteration no = 10

ADMM Iteration no = 11

ADMM Iteration no = 12

ADMM Iteration no = 13

ADMM Iteration no = 14

ADMM Iteration no = 15

ADMM Iteration no = 16

ADMM Iteration no = 17

ADMM Iteration no = 18

ADMM Iteration no = 19

ADMM Iteration no = 20

ADMM Iteration no = 21

ADMM Iteration no = 22

ADMM Iteration no = 23

ADMM Iteration no = 24

ADMM Iteration no = 25

ADMM Iteration no = 26

ADMM Iteration no = 27

ADMM Iteration no = 28

ADMM Iteration no = 29

ADMM Iteration no = 30

ADMM Iteration no = 31

ADMM Iteration no = 32

ADMM Iteration no = 33

ADMM Iteration no = 34

ADMM Iteration no = 35

ADMM Iteration no = 36

ADMM Iteration no = 37

ADMM Iteration no = 38

ADMM Iteration no = 39

ADMM Iteration no = 40

ADMM Iteration no = 41

ADMM Iteration no = 42

ADMM Iteration no = 43

ADMM Iteration no = 44

ADMM Iteration no = 45

ADMM Iteration no = 46

ADMM Iteration no = 47

ADMM Iteration no = 48

ADMM Iteration no = 49

ADMM Iteration no = 50

ADMM Iteration no = 51

ADMM Iteration no = 52

ADMM Iteration no = 53

ADMM Iteration no = 54

ADMM Iteration no = 55

ADMM Iteration no = 56

ADMM Iteration no = 57

ADMM Iteration no = 58

ADMM Iteration no = 59

ADMM Iteration no = 60

ADMM Iteration no = 61

ADMM Iteration no = 62

ADMM Iteration no = 63

ADMM Iteration no = 64

ADMM Iteration no = 65

ADMM Iteration no = 66

ADMM Iteration no = 67

ADMM Iteration no = 68

ADMM Iteration no = 69

ADMM Iteration no = 70

ADMM Iteration no = 71

ADMM Iteration no = 72

ADMM Iteration no = 73

ADMM Iteration no = 74

ADMM Iteration no = 75

ADMM Iteration no = 76

ADMM Iteration no = 77

ADMM Iteration no = 78

ADMM Iteration no = 79

ADMM Iteration no = 80

ADMM Iteration no = 81

ADMM Iteration no = 82

ADMM Iteration no = 83

ADMM Iteration no = 84

ADMM Iteration no = 85

ADMM Iteration no = 86

ADMM Iteration no = 87

ADMM Iteration no = 88

ADMM Iteration no = 89

ADMM Iteration no = 90

ADMM Iteration no = 91

ADMM Iteration no = 92

ADMM Iteration no = 93

ADMM Iteration no = 94

ADMM Iteration no = 95

ADMM Iteration no = 96

ADMM Iteration no = 97

ADMM Iteration no = 98

ADMM Iteration no = 99

ADMM Iteration no = 100

ADMM Iteration no = 101

ADMM Iteration no = 102

ADMM Iteration no = 103

ADMM Iteration no = 104

ADMM Iteration no = 105

ADMM Iteration no = 106

ADMM Iteration no = 107

ADMM Iteration no = 108

ADMM Iteration no = 109

ADMM Iteration no = 110

ADMM Iteration no = 111

ADMM Iteration no = 112

ADMM Iteration no = 113

ADMM Iteration no = 114

ADMM Iteration no = 115

ADMM Iteration no = 116

ADMM Iteration no = 117

gap threshold satisfied, terminate ADMM

gap = 7.399393917214174 %

obj value = 22515.736

time cost 352.9373459815979

Process finished with exit code 0

**C:\Users\wangguixia\anaconda3\python.exe** D:/JingdongDataset\_v2/ADMM\_Python1+2.py

Reading data......

read input\_node\_100.csv

customers\_number:99

nodes\_number:101

read input\_link\_100.csv

links\_number:7031

vehicles\_number:16

ADMM Iteration no = 0

ADMM Iteration no = 1

ADMM Iteration no = 2

ADMM Iteration no = 3

ADMM Iteration no = 4

ADMM Iteration no = 5

ADMM Iteration no = 6

ADMM Iteration no = 7

ADMM Iteration no = 8

ADMM Iteration no = 9

ADMM Iteration no = 10

ADMM Iteration no = 11

ADMM Iteration no = 12

ADMM Iteration no = 13

ADMM Iteration no = 14

ADMM Iteration no = 15

ADMM Iteration no = 16

ADMM Iteration no = 17

ADMM Iteration no = 18

ADMM Iteration no = 19

ADMM Iteration no = 20

ADMM Iteration no = 21

ADMM Iteration no = 22

ADMM Iteration no = 23

ADMM Iteration no = 24

ADMM Iteration no = 25

ADMM Iteration no = 26

ADMM Iteration no = 27

ADMM Iteration no = 28

ADMM Iteration no = 29

ADMM Iteration no = 30

ADMM Iteration no = 31

ADMM Iteration no = 32

ADMM Iteration no = 33

ADMM Iteration no = 34

ADMM Iteration no = 35

ADMM Iteration no = 36

ADMM Iteration no = 37

ADMM Iteration no = 38

ADMM Iteration no = 39

ADMM Iteration no = 40

ADMM Iteration no = 41

ADMM Iteration no = 42

ADMM Iteration no = 43

ADMM Iteration no = 44

ADMM Iteration no = 45

ADMM Iteration no = 46

ADMM Iteration no = 47

ADMM Iteration no = 48

ADMM Iteration no = 49

ADMM Iteration no = 50

ADMM Iteration no = 51

ADMM Iteration no = 52

ADMM Iteration no = 53

ADMM Iteration no = 54

ADMM Iteration no = 55

ADMM Iteration no = 56

ADMM Iteration no = 57

ADMM Iteration no = 58

ADMM Iteration no = 59

ADMM Iteration no = 60

ADMM Iteration no = 61

ADMM Iteration no = 62

ADMM Iteration no = 63

ADMM Iteration no = 64

ADMM Iteration no = 65

ADMM Iteration no = 66

ADMM Iteration no = 67

ADMM Iteration no = 68

ADMM Iteration no = 69

ADMM Iteration no = 70

ADMM Iteration no = 71

ADMM Iteration no = 72

ADMM Iteration no = 73

ADMM Iteration no = 74

ADMM Iteration no = 75

ADMM Iteration no = 76

ADMM Iteration no = 77

ADMM Iteration no = 78

ADMM Iteration no = 79

ADMM Iteration no = 80

ADMM Iteration no = 81

ADMM Iteration no = 82

ADMM Iteration no = 83

ADMM Iteration no = 84

ADMM Iteration no = 85

ADMM Iteration no = 86

ADMM Iteration no = 87

ADMM Iteration no = 88

ADMM Iteration no = 89

ADMM Iteration no = 90

ADMM Iteration no = 91

ADMM Iteration no = 92

ADMM Iteration no = 93

ADMM Iteration no = 94

ADMM Iteration no = 95

ADMM Iteration no = 96

ADMM Iteration no = 97

ADMM Iteration no = 98

ADMM Iteration no = 99

ADMM Iteration no = 100

ADMM Iteration no = 101

ADMM Iteration no = 102

ADMM Iteration no = 103

ADMM Iteration no = 104

ADMM Iteration no = 105

ADMM Iteration no = 106

ADMM Iteration no = 107

ADMM Iteration no = 108

ADMM Iteration no = 109

ADMM Iteration no = 110

ADMM Iteration no = 111

ADMM Iteration no = 112

ADMM Iteration no = 113

ADMM Iteration no = 114

ADMM Iteration no = 115

ADMM Iteration no = 116

ADMM Iteration no = 117

gap threshold satisfied, terminate ADMM

gap = 7.399393917214174 %

obj value = 22515.736

time cost 3732.1006150245667

Process finished with exit code 0