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>> summer
Enter the No of Vehicles: 50



 ____________________Vehicle-1____________________
Energy Req for Vehicle-1 = -1.2514517
Entering Slot of V-1 = 34

Outgoing Slot of V-1 = 46

No of Slots for Vehicle-1 = 13

Slot 34 -----> Discharging -1.884017 kWh.  Total Charged Energy: -1.88 kWh
Slot 35 -----> Idle.  Total Energy: -1.88 kWh
Slot 36 -----> Discharging -1.728387 kWh.  Total Charged Energy: -3.61 kWh
Slot 37 -----> Discharging -1.025857 kWh.  Total Charged Energy: -4.64 kWh
Slot 38 -----> Discharging -1.646302 kWh.  Total Charged Energy: -6.28 kWh
Slot 39 -----> Discharging -1.372313 kWh.  Total Charged Energy: -7.66 kWh
Slot 40 -----> Idle.  Total Energy: -7.66 kWh
Slot 41 -----> Idle.  Total Energy: -7.66 kWh
Slot 42 -----> Idle.  Total Energy: -7.66 kWh
Slot 43 -----> Discharging -1.593185 kWh.  Total Charged Energy: -9.25 kWh
Slot 44 -----> Idle.  Total Energy: -9.25 kWh
Slot 45 -----> Idle.  Total Energy: -9.25 kWh
Slot 46(last slot) ----->Need of Charging, Charged Energy = 7.998609 kWh
   So, finally Total Energy charged = -1.251452 kWh



 ____________________Vehicle-2____________________
Energy Req for Vehicle-2 = 1.4610082
Entering Slot of V-2 = 32

Outgoing Slot of V-2 = 41

No of Slots for Vehicle-2 = 10

Slot-32 -----> Charging: 4.292911 kWh.  Total Charged Energy: 4.29 kWh
Slot 33 -----> Idle.  Total Energy: 4.29 kWh
Slot 34 -----> Discharging -1.503840 kWh.  Total Charged Energy: 2.79 kWh
Slot 35 -----> Discharging -1.819422 kWh.  Total Charged Energy: 0.97 kWh
Slot 36 -----> Discharging -1.202075 kWh.  Total Charged Energy: -0.23 kWh
Slot 37 -----> Discharging -1.427911 kWh.  Total Charged Energy: -1.66 kWh
Slot 38 -----> Idle.  Total Energy: -1.66 kWh
Slot 39 -----> Discharging -1.695390 kWh.  Total Charged Energy: -3.36 kWh
Slot 40 -----> Idle.  Total Energy: -3.36 kWh
Slot 41(last slot) ----->Need of Charging, Charged Energy = 4.816735 kWh
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   So, finally Total Energy charged = 1.461008 kWh



 ____________________Vehicle-3____________________
Energy Req for Vehicle-3 = -9.3676007
Entering Slot of V-3 = 32

Outgoing Slot of V-3 = 44

No of Slots for Vehicle-3 = 13

Slot 32 -----> Discharging -1.427357 kW.  Total Charged Power: -1.43 kW
Slot-33 -----> Charging: 4.237730 kW.  Total Charged Power: 2.81 kW
Slot 34 -----> Discharging -1.532783 kW.  Total Charged Power: 1.28 kW
Slot 35 -----> Discharging -1.773115 kW.  Total Charged Power: -0.50 kW
Slot 36 -----> Idle.  Total Power: -0.50 kW
Slot 37 -----> Idle.  Total Power: -0.50 kW
Slot 38 -----> Discharging -1.604179 kW.  Total Charged Power: -2.10 kW
Slot 39 -----> Discharging -1.127467 kW.  Total Charged Power: -3.23 kW
Slot 40 -----> Discharging -1.310469 kW.  Total Charged Power: -4.54 kW
Slot 41 -----> Discharging -1.943609 kW.  Total Charged Power: -6.48 kW
Slot 42 -----> Discharging -1.033128 kW.  Total Charged Power: -7.51 kW
Slot 43 -----> Idle.  Total Power: -7.51 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.853223
   So, finally Total Energy Charged = -9.367601 kWh



 ____________________Vehicle-4____________________
Energy Req for Vehicle-4 = -1.8979332
Entering Slot of V-4 = 31

Outgoing Slot of V-4 = 43

No of Slots for Vehicle-4 = 13

Slot 31 -----> Idle.  Total Energy: 0.00 kWh
Slot 32 -----> Discharging -1.247686 kWh.  Total Charged Energy: -1.25 kWh
Slot 33 -----> Discharging -1.669088 kWh.  Total Charged Energy: -2.92 kWh
Slot 34 -----> Discharging -1.609054 kWh.  Total Charged Energy: -4.53 kWh
Slot 35 -----> Idle.  Total Energy: -4.53 kWh
Slot 36 -----> Discharging -1.748956 kWh.  Total Charged Energy: -6.27 kWh
Slot-37 -----> Charging: 3.290619 kWh.  Total Charged Energy: -2.98 kWh
Slot 38 -----> Discharging -1.817176 kWh.  Total Charged Energy: -4.80 kWh
Slot 39 -----> Discharging -1.972605 kWh.  Total Charged Energy: -6.77 kWh
Slot 40 -----> Discharging -1.338236 kWh.  Total Charged Energy: -8.11 kWh
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Slot 41 -----> Idle.  Total Energy: -8.11 kWh
Slot 42 -----> Idle.  Total Energy: -8.11 kWh
Slot 43(last slot) ----->Need of Charging, Charged Energy = 6.214249 kWh
   So, finally Total Energy charged = -1.897933 kWh



 ____________________Vehicle-5____________________
Energy Req for Vehicle-5 = 1.1920091
Entering Slot of V-5 = 35

Outgoing Slot of V-5 = 45

No of Slots for Vehicle-5 = 11

Slot-35 -----> Charging: 6.357968 kW.  Total Charged Power: 6.36 kW
Slot 36 -----> Idle.  Total Power: 6.36 kW
Slot 37 -----> Discharging -1.155461 kW.  Total Charged Power: 5.20 kW
Slot 38 -----> Discharging -1.567733 kW.  Total Charged Power: 3.63 kW
Slot-39 -----> Charging: 4.620982 kW.  Total Charged Power: 8.26 kW
Slot 40 -----> Idle.  Total Power: 8.26 kW
Slot 41 -----> Discharging -1.142282 kW.  Total Charged Power: 7.11 kW
Slot 42 -----> Discharging -1.396569 kW.  Total Charged Power: 5.72 kW
Slot 43 -----> Discharging -1.019402 kW.  Total Charged Power: 4.70 kW
Slot 44 -----> Discharging -1.932196 kW.  Total Charged Power: 2.77 kW
Slot 45(last slot) ----->Need of Discharging, Discharged Power = 1.573298
   So, finally Total Energy Charged = 1.192009 kWh



 ____________________Vehicle-6____________________
Energy Req for Vehicle-6 = -4.2966825
Entering Slot of V-6 = 32

Outgoing Slot of V-6 = 45

No of Slots for Vehicle-6 = 14

Slot 32 -----> Discharging -1.456883 kWh.  Total Charged Energy: -1.46 kWh
Slot 33 -----> Discharging -1.842622 kWh.  Total Charged Energy: -3.30 kWh
Slot-34 -----> Charging: 3.936351 kWh.  Total Charged Energy: 0.64 kWh
Slot 35 -----> Idle.  Total Energy: 0.64 kWh
Slot 36 -----> Idle.  Total Energy: 0.64 kWh
Slot 37 -----> Discharging -1.810833 kWh.  Total Charged Energy: -1.17 kWh
Slot 38 -----> Idle.  Total Energy: -1.17 kWh
Slot 39 -----> Idle.  Total Energy: -1.17 kWh
Slot 40 -----> Discharging -1.405696 kWh.  Total Charged Energy: -2.58 kWh
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Slot 41 -----> Discharging -1.678649 kWh.  Total Charged Energy: -4.26 kWh
Slot 42 -----> Discharging -1.953264 kWh.  Total Charged Energy: -6.21 kWh
Slot 43 -----> Discharging -1.339021 kWh.  Total Charged Energy: -7.55 kWh
Slot 44 -----> Idle.  Total Energy: -7.55 kWh
Slot 45(last slot) ----->Need of Charging, Charged Energy = 3.253934 kWh
   So, finally Total Energy charged = -4.296683 kWh




 ____________________Vehicle-7____________________
Energy Req for Vehicle-7 = -8.5470755
Entering Slot of V-7 = 31

Outgoing Slot of V-7 = 45

No of Slots for Vehicle-7 = 15

Slot 31 -----> Idle.  Total Power: 0.00 kW
Slot 32 -----> Idle.  Total Power: 0.00 kW
Slot 33 -----> Idle.  Total Power: 0.00 kW
Slot 34 -----> Discharging -1.905980 kW.  Total Charged Power: -1.91 kW
Slot 35 -----> Discharging -1.889671 kW.  Total Charged Power: -3.80 kW
Slot-36 -----> Charging: 3.643624 kW.  Total Charged Power: -0.15 kW
Slot 37 -----> Idle.  Total Power: -0.15 kW
Slot 38 -----> Discharging -1.393628 kW.  Total Charged Power: -1.55 kW
Slot 39 -----> Discharging -1.023885 kW.  Total Charged Power: -2.57 kW
Slot 40 -----> Discharging -1.056746 kW.  Total Charged Power: -3.63 kW
Slot 41 -----> Idle.  Total Power: -3.63 kW
Slot 42 -----> Discharging -1.076086 kW.  Total Charged Power: -4.70 kW
Slot 43 -----> Discharging -1.430213 kW.  Total Charged Power: -6.13 kW
Slot 44 -----> Discharging -1.218391 kW.  Total Charged Power: -7.35 kW
Slot 45(last slot) ----->Need of Discharging, Discharged Power = 1.196097
   So, finally Total Energy Charged = -8.547076 kWh




 ____________________Vehicle-8____________________
Energy Req for Vehicle-8 = -6.4405314
Entering Slot of V-8 = 36

Outgoing Slot of V-8 = 44

No of Slots for Vehicle-8 = 9

Slot 36 -----> Discharging -1.741860 kW.  Total Charged Power: -1.74 kW
Slot 37 -----> Idle.  Total Power: -1.74 kW
Slot 38 -----> Idle.  Total Power: -1.74 kW
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Slot 39 -----> Discharging -1.090313 kW.  Total Charged Power: -2.83 kW
Slot 40 -----> Idle.  Total Power: -2.83 kW
Slot 41 -----> Discharging -1.758922 kW.  Total Charged Power: -4.59 kW
Slot 42 -----> Idle.  Total Power: -4.59 kW
Slot 43 -----> Idle.  Total Power: -4.59 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.849437
   So, finally Total Energy Charged = -6.440531 kWh




 ____________________Vehicle-9____________________
Energy Req for Vehicle-9 = -7.5426174
Entering Slot of V-9 = 32

Outgoing Slot of V-9 = 43

No of Slots for Vehicle-9 = 12

Slot 32 -----> Idle.  Total Power: 0.00 kW
Slot 33 -----> Discharging -1.749410 kW.  Total Charged Power: -1.75 kW
Slot 34 -----> Idle.  Total Power: -1.75 kW
Slot 35 -----> Idle.  Total Power: -1.75 kW
Slot 36 -----> Discharging -1.286163 kW.  Total Charged Power: -3.04 kW
Slot 37 -----> Discharging -1.336407 kW.  Total Charged Power: -4.37 kW
Slot 38 -----> Idle.  Total Power: -4.37 kW
Slot 39 -----> Discharging -1.961996 kW.  Total Charged Power: -6.33 kW
Slot 40 -----> Idle.  Total Power: -6.33 kW
Slot 41 -----> Idle.  Total Power: -6.33 kW
Slot 42 -----> Idle.  Total Power: -6.33 kW
Slot 43(last slot) ----->Need of Discharging, Discharged Power = 1.208641
   So, finally Total Energy Charged = -7.542617 kWh




 ____________________Vehicle-10____________________
Energy Req for Vehicle-10 = 4.7832210
Entering Slot of V-10 = 31

Outgoing Slot of V-10 = 43

No of Slots for Vehicle-10 = 13

Slot 31 -----> Idle.  Total Energy: 0.00 kWh
Slot 32 -----> Idle.  Total Energy: 0.00 kWh
Slot 33 -----> Discharging -1.517917 kWh.  Total Charged Energy: -1.52 kWh
Slot 34 -----> Idle.  Total Energy: -1.52 kWh
Slot 35 -----> Idle.  Total Energy: -1.52 kWh
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Slot 36 -----> Idle.  Total Energy: -1.52 kWh
Slot 37 -----> Idle.  Total Energy: -1.52 kWh
Slot 38 -----> Idle.  Total Energy: -1.52 kWh
Slot 39 -----> Idle.  Total Energy: -1.52 kWh
Slot 40 -----> Idle.  Total Energy: -1.52 kWh
Slot 41 -----> Idle.  Total Energy: -1.52 kWh
Slot-42 -----> Charging: 3.293128 kWh.  Total Charged Energy: 1.78 kWh
Slot 43(last slot) ----->Need of Charging, Charged Energy = 3.008010 kWh
   So, finally Total Energy charged = 4.783221 kWh




 ____________________Vehicle-11____________________
Energy Req for Vehicle-11 = 0.0052492
Entering Slot of V-11 = 32

Outgoing Slot of V-11 = 47

No of Slots for Vehicle-11 = 16

Slot 32 -----> Discharging -1.465510 kW.  Total Charged Power: -1.47 kW
Slot 33 -----> Idle.  Total Power: -1.47 kW
Slot 34 -----> Idle.  Total Power: -1.47 kW
Slot 35 -----> Discharging -1.206323 kW.  Total Charged Power: -2.67 kW
Slot-36 -----> Charging: 5.011198 kW.  Total Charged Power: 2.34 kW
Slot 37 -----> Discharging -1.975063 kW.  Total Charged Power: 0.36 kW
Slot 38 -----> Idle.  Total Power: 0.36 kW
Slot-39 -----> Charging: 7.312913 kW.  Total Charged Power: 7.68 kW
Slot 40 -----> Discharging -1.544162 kW.  Total Charged Power: 6.13 kW
Slot 41 -----> Idle.  Total Power: 6.13 kW
Slot 42 -----> Idle.  Total Power: 6.13 kW
Slot 43 -----> Discharging -1.001830 kW.  Total Charged Power: 5.13 kW
Slot 44 -----> Discharging -1.436121 kW.  Total Charged Power: 3.70 kW
Slot 45 -----> Discharging -1.146777 kW.  Total Charged Power: 2.55 kW
Slot 46 -----> Discharging -1.403117 kW.  Total Charged Power: 1.15 kW
Slot 47(last slot) ----->Need of Discharging, Discharged Power = 1.139957
   So, finally Total Energy Charged = 0.005249 kWh




 ____________________Vehicle-12____________________
Energy Req for Vehicle-12 = 1.3178919
Entering Slot of V-12 = 30

Outgoing Slot of V-12 = 40

No of Slots for Vehicle-12 = 11
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Slot 30 -----> Discharging -1.154091 kWh.  Total Charged Energy: -1.15 kWh
Slot 31 -----> Discharging -1.949325 kWh.  Total Charged Energy: -3.10 kWh
Slot 32 -----> Idle.  Total Energy: -3.10 kWh
Slot 33 -----> Idle.  Total Energy: -3.10 kWh
Slot 34 -----> Idle.  Total Energy: -3.10 kWh
Slot 35 -----> Discharging -1.869173 kWh.  Total Charged Energy: -4.97 kWh
Slot 36 -----> Idle.  Total Energy: -4.97 kWh
Slot 37 -----> Idle.  Total Energy: -4.97 kWh
Slot-38 -----> Charging: 3.397371 kWh.  Total Charged Energy: -1.58 kWh
Slot 39 -----> Discharging -1.093040 kWh.  Total Charged Energy: -2.67 kWh
Slot 40(last slot) ----->Need of Charging, Charged Energy = 3.986151 kWh
   So, finally Total Energy charged = 1.317892 kWh



 ____________________Vehicle-13____________________
Energy Req for Vehicle-13 = -6.1061040
Entering Slot of V-13 = 30

Outgoing Slot of V-13 = 44

No of Slots for Vehicle-13 = 15

Slot 30 -----> Discharging -1.270941 kW.  Total Charged Power: -1.27 kW
Slot 31 -----> Discharging -1.175721 kW.  Total Charged Power: -2.45 kW
Slot 32 -----> Idle.  Total Power: -2.45 kW
Slot-33 -----> Charging: 5.566229 kW.  Total Charged Power: 3.12 kW
Slot 34 -----> Idle.  Total Power: 3.12 kW
Slot 35 -----> Idle.  Total Power: 3.12 kW
Slot 36 -----> Idle.  Total Power: 3.12 kW
Slot 37 -----> Discharging -1.963155 kW.  Total Charged Power: 1.16 kW
Slot 38 -----> Discharging -1.873570 kW.  Total Charged Power: -0.72 kW
Slot 39 -----> Idle.  Total Power: -0.72 kW
Slot 40 -----> Discharging -1.514248 kW.  Total Charged Power: -2.23 kW
Slot 41 -----> Discharging -1.114558 kW.  Total Charged Power: -3.35 kW
Slot 42 -----> Idle.  Total Power: -3.35 kW
Slot 43 -----> Discharging -1.143630 kW.  Total Charged Power: -4.49 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.616510
   So, finally Total Energy Charged = -6.106104 kWh



 ____________________Vehicle-14____________________
Energy Req for Vehicle-14 = 2.8696250
Entering Slot of V-14 = 39
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Outgoing Slot of V-14 = 45

No of Slots for Vehicle-14 = 7

Slot 39 -----> Discharging -1.906939 kWh.  Total Charged Energy: -1.91 kWh
Slot 40 -----> Discharging -1.657547 kWh.  Total Charged Energy: -3.56 kWh
Slot 41 -----> Discharging -1.115912 kWh.  Total Charged Energy: -4.68 kWh
Slot 42 -----> Discharging -1.297838 kWh.  Total Charged Energy: -5.98 kWh
Slot-43 -----> Charging: 3.832881 kWh.  Total Charged Energy: -2.15 kWh
Slot 44 -----> Idle.  Total Energy: -2.15 kWh
Slot 45(last slot) ----->Need of Charging, Charged Energy = 5.014981 kWh
   So, finally Total Energy charged = 2.869625 kWh




 ____________________Vehicle-15____________________
Energy Req for Vehicle-15 = 8.3316293
Entering Slot of V-15 = 36

Outgoing Slot of V-15 = 43

No of Slots for Vehicle-15 = 8

Slot-36 -----> Charging: 5.797283 kWh.  Total Charged Energy: 5.80 kWh
Slot 37 -----> Idle.  Total Energy: 5.80 kWh
Slot 38 -----> Discharging -1.349265 kWh.  Total Charged Energy: 4.45 kWh
Slot 39 -----> Discharging -1.089281 kWh.  Total Charged Energy: 3.36 kWh
Slot 40 -----> Idle.  Total Energy: 3.36 kWh
Slot 41 -----> Discharging -1.147842 kWh.  Total Charged Energy: 2.21 kWh
Slot 42 -----> Discharging -1.272511 kWh.  Total Charged Energy: 0.94 kWh
Slot 43(last slot) ----->Need of Charging, Charged Energy = 7.393247 kWh
   So, finally Total Energy charged = 8.331629 kWh




 ____________________Vehicle-16____________________
Energy Req for Vehicle-16 = 1.4883911
Entering Slot of V-16 = 33

Outgoing Slot of V-16 = 46

No of Slots for Vehicle-16 = 14

Slot 33 -----> Discharging -1.621818 kW.  Total Charged Power: -1.62 kW
Slot 34 -----> Discharging -1.617578 kW.  Total Charged Power: -3.24 kW
Slot 35 -----> Discharging -1.694572 kW.  Total Charged Power: -4.93 kW
Slot-36 -----> Charging: 4.893972 kW.  Total Charged Power: -0.04 kW
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Slot 37 -----> Idle.  Total Power: -0.04 kW
Slot 38 -----> Discharging -1.615049 kW.  Total Charged Power: -1.66 kW
Slot 39 -----> Discharging -1.197995 kW.  Total Charged Power: -2.85 kW
Slot 40 -----> Discharging -1.470114 kW.  Total Charged Power: -4.32 kW
Slot-41 -----> Charging: 5.338902 kW.  Total Charged Power: 1.02 kW
Slot 42 -----> Discharging -1.042160 kW.  Total Charged Power: -0.03 kW
Slot-43 -----> Charging: 4.591983 kW.  Total Charged Power: 4.57 kW
Slot 44 -----> Idle.  Total Power: 4.57 kW
Slot 45 -----> Discharging -1.755775 kW.  Total Charged Power: 2.81 kW
Slot 46(last slot) ----->Need of Discharging, Discharged Power = 1.321404
   So, finally Total Energy Charged = 1.488391 kWh




 ____________________Vehicle-17____________________
Energy Req for Vehicle-17 = -9.8798590
Entering Slot of V-17 = 29

Outgoing Slot of V-17 = 44

No of Slots for Vehicle-17 = 16

Slot 29 -----> Discharging -1.443027 kWh.  Total Charged Energy: -1.44 kWh
Slot 30 -----> Discharging -1.798238 kWh.  Total Charged Energy: -3.24 kWh
Slot 31 -----> Discharging -1.577855 kWh.  Total Charged Energy: -4.82 kWh
Slot 32 -----> Discharging -1.455553 kWh.  Total Charged Energy: -6.27 kWh
Slot 33 -----> Discharging -1.148022 kWh.  Total Charged Energy: -7.42 kWh
Slot-34 -----> Charging: 3.103683 kWh.  Total Charged Energy: -4.32 kWh
Slot 35 -----> Discharging -1.530835 kWh.  Total Charged Energy: -5.85 kWh
Slot 36 -----> Discharging -1.042172 kWh.  Total Charged Energy: -6.89 kWh
Slot 37 -----> Idle.  Total Energy: -6.89 kWh
Slot 38 -----> Discharging -1.592959 kWh.  Total Charged Energy: -8.48 kWh
Slot 39 -----> Idle.  Total Energy: -8.48 kWh
Slot 40 -----> Discharging -1.214938 kWh.  Total Charged Energy: -9.70 kWh
Slot 41 -----> Discharging -1.820094 kWh.  Total Charged Energy: -11.52 kWh
Slot 42 -----> Discharging -1.704469 kWh.  Total Charged Energy: -13.22 kWh
Slot 43 -----> Idle.  Total Energy: -13.22 kWh
Slot 44(last slot) ----->Need of Charging, Charged Energy = 3.344621 kWh
   So, finally Total Energy charged = -9.879859 kWh




 ____________________Vehicle-18____________________
Energy Req for Vehicle-18 = 0.4819877
Entering Slot of V-18 = 30

Outgoing Slot of V-18 = 42
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No of Slots for Vehicle-18 = 13

Slot 30 -----> Idle.  Total Power: 0.00 kW
Slot 31 -----> Idle.  Total Power: 0.00 kW
Slot 32 -----> Discharging -1.691018 kW.  Total Charged Power: -1.69 kW
Slot 33 -----> Discharging -1.708264 kW.  Total Charged Power: -3.40 kW
Slot 34 -----> Discharging -1.053922 kW.  Total Charged Power: -4.45 kW
Slot 35 -----> Idle.  Total Power: -4.45 kW
Slot-36 -----> Charging: 3.550570 kW.  Total Charged Power: -0.90 kW
Slot 37 -----> Idle.  Total Power: -0.90 kW
Slot 38 -----> Discharging -1.624804 kW.  Total Charged Power: -2.53 kW
Slot-39 -----> Charging: 4.184606 kW.  Total Charged Power: 1.66 kW
Slot 40 -----> Idle.  Total Power: 1.66 kW
Slot 41 -----> Idle.  Total Power: 1.66 kW
Slot 42(last slot) ----->Need of Discharging, Discharged Power = 1.175181
   So, finally Total Energy Charged = 0.481988 kWh




 ____________________Vehicle-19____________________
Energy Req for Vehicle-19 = 1.9116139
Entering Slot of V-19 = 32

Outgoing Slot of V-19 = 45

No of Slots for Vehicle-19 = 14

Slot-32 -----> Charging: 7.487533 kW.  Total Charged Power: 7.49 kW
Slot 33 -----> Discharging -1.205447 kW.  Total Charged Power: 6.28 kW
Slot 34 -----> Idle.  Total Power: 6.28 kW
Slot 35 -----> Discharging -1.141345 kW.  Total Charged Power: 5.14 kW
Slot-36 -----> Charging: 4.763049 kW.  Total Charged Power: 9.90 kW
Slot 37 -----> Discharging -1.693724 kW.  Total Charged Power: 8.21 kW
Slot 38 -----> Discharging -1.295485 kW.  Total Charged Power: 6.91 kW
Slot 39 -----> Idle.  Total Power: 6.91 kW
Slot 40 -----> Idle.  Total Power: 6.91 kW
Slot 41 -----> Discharging -1.212300 kW.  Total Charged Power: 5.70 kW
Slot 42 -----> Discharging -1.160923 kW.  Total Charged Power: 4.54 kW
Slot 43 -----> Idle.  Total Power: 4.54 kW
Slot 44 -----> Discharging -1.284328 kW.  Total Charged Power: 3.26 kW
Slot 45(last slot) ----->Need of Discharging, Discharged Power = 1.345418
   So, finally Total Energy Charged = 1.911614 kWh




 ____________________Vehicle-20____________________
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Energy Req for Vehicle-20 = -2.7868482
Entering Slot of V-20 = 34

Outgoing Slot of V-20 = 44

No of Slots for Vehicle-20 = 11

Slot 34 -----> Idle.  Total Energy: 0.00 kWh
Slot 35 -----> Idle.  Total Energy: 0.00 kWh
Slot 36 -----> Discharging -1.931720 kWh.  Total Charged Energy: -1.93 kWh
Slot 37 -----> Idle.  Total Energy: -1.93 kWh
Slot 38 -----> Idle.  Total Energy: -1.93 kWh
Slot 39 -----> Idle.  Total Energy: -1.93 kWh
Slot 40 -----> Discharging -1.110655 kWh.  Total Charged Energy: -3.04 kWh
Slot 41 -----> Idle.  Total Energy: -3.04 kWh
Slot 42 -----> Discharging -1.352597 kWh.  Total Charged Energy: -4.39 kWh
Slot 43 -----> Discharging -1.474485 kWh.  Total Charged Energy: -5.87 kWh
Slot 44(last slot) ----->Need of Charging, Charged Energy = 3.082608 kWh
   So, finally Total Energy charged = -2.786848 kWh




 ____________________Vehicle-21____________________
Energy Req for Vehicle-21 = 3.3362718
Entering Slot of V-21 = 29

Outgoing Slot of V-21 = 44

No of Slots for Vehicle-21 = 16

Slot 29 -----> Discharging -1.253354 kWh.  Total Charged Energy: -1.25 kWh
Slot 30 -----> Discharging -1.455210 kWh.  Total Charged Energy: -2.71 kWh
Slot 31 -----> Idle.  Total Energy: -2.71 kWh
Slot 32 -----> Discharging -1.348409 kWh.  Total Charged Energy: -4.06 kWh
Slot 33 -----> Idle.  Total Energy: -4.06 kWh
Slot-34 -----> Charging: 4.074539 kWh.  Total Charged Energy: 0.02 kWh
Slot 35 -----> Idle.  Total Energy: 0.02 kWh
Slot 36 -----> Discharging -1.940036 kWh.  Total Charged Energy: -1.92 kWh
Slot 37 -----> Idle.  Total Energy: -1.92 kWh
Slot 38 -----> Idle.  Total Energy: -1.92 kWh
Slot-39 -----> Charging: 4.940754 kWh.  Total Charged Energy: 3.02 kWh
Slot 40 -----> Idle.  Total Energy: 3.02 kWh
Slot 41 -----> Discharging -1.263173 kWh.  Total Charged Energy: 1.76 kWh
Slot 42 -----> Idle.  Total Energy: 1.76 kWh
Slot 43 -----> Discharging -1.507722 kWh.  Total Charged Energy: 0.25 kWh
Slot 44(last slot) ----->Need of Charging, Charged Energy = 3.088883 kWh
   So, finally Total Energy charged = 3.336272 kWh
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 ____________________Vehicle-22____________________
Energy Req for Vehicle-22 = -5.7450890
Entering Slot of V-22 = 27

Outgoing Slot of V-22 = 43

No of Slots for Vehicle-22 = 17

Slot 27 -----> Idle.  Total Power: 0.00 kW
Slot 28 -----> Discharging -1.344949 kW.  Total Charged Power: -1.34 kW
Slot 29 -----> Idle.  Total Power: -1.34 kW
Slot 30 -----> Idle.  Total Power: -1.34 kW
Slot-31 -----> Charging: 6.324875 kW.  Total Charged Power: 4.98 kW
Slot 32 -----> Idle.  Total Power: 4.98 kW
Slot 33 -----> Idle.  Total Power: 4.98 kW
Slot 34 -----> Discharging -1.760045 kW.  Total Charged Power: 3.22 kW
Slot 35 -----> Discharging -1.773933 kW.  Total Charged Power: 1.45 kW
Slot 36 -----> Discharging -1.804296 kW.  Total Charged Power: -0.36 kW
Slot 37 -----> Discharging -1.249203 kW.  Total Charged Power: -1.61 kW
Slot 38 -----> Idle.  Total Power: -1.61 kW
Slot 39 -----> Idle.  Total Power: -1.61 kW
Slot 40 -----> Discharging -1.052611 kW.  Total Charged Power: -2.66 kW
Slot 41 -----> Discharging -1.755090 kW.  Total Charged Power: -4.42 kW
Slot 42 -----> Idle.  Total Power: -4.42 kW
Slot 43(last slot) ----->Need of Discharging, Discharged Power = 1.329835
   So, finally Total Energy Charged = -5.745089 kWh



 ____________________Vehicle-23____________________
Energy Req for Vehicle-23 = -7.4813880
Entering Slot of V-23 = 29

Outgoing Slot of V-23 = 45

No of Slots for Vehicle-23 = 17

Slot 29 -----> Idle.  Total Power: 0.00 kW
Slot 30 -----> Idle.  Total Power: 0.00 kW
Slot 31 -----> Idle.  Total Power: 0.00 kW
Slot 32 -----> Discharging -1.402413 kW.  Total Charged Power: -1.40 kW
Slot 33 -----> Discharging -1.035308 kW.  Total Charged Power: -2.44 kW
Slot-34 -----> Charging: 5.835869 kW.  Total Charged Power: 3.40 kW
Slot 35 -----> Idle.  Total Power: 3.40 kW
Slot 36 -----> Discharging -1.920609 kW.  Total Charged Power: 1.48 kW
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Slot 37 -----> Discharging -1.451600 kW.  Total Charged Power: 0.03 kW
Slot 38 -----> Idle.  Total Power: 0.03 kW
Slot 39 -----> Discharging -1.854815 kW.  Total Charged Power: -1.83 kW
Slot 40 -----> Discharging -1.545973 kW.  Total Charged Power: -3.37 kW
Slot 41 -----> Discharging -1.815902 kW.  Total Charged Power: -5.19 kW
Slot 42 -----> Discharging -1.045535 kW.  Total Charged Power: -6.24 kW
Slot 43 -----> Idle.  Total Power: -6.24 kW
Slot 44 -----> Idle.  Total Power: -6.24 kW
Slot 45(last slot) ----->Need of Discharging, Discharged Power = 1.245101
   So, finally Total Energy Charged = -7.481388 kWh




 ____________________Vehicle-24____________________
Energy Req for Vehicle-24 = 2.9071693
Entering Slot of V-24 = 33

Outgoing Slot of V-24 = 40

No of Slots for Vehicle-24 = 8

Slot 33 -----> Discharging -1.750880 kW.  Total Charged Power: -1.75 kW
Slot 34 -----> Discharging -1.868756 kW.  Total Charged Power: -3.62 kW
Slot 35 -----> Discharging -1.582555 kW.  Total Charged Power: -5.20 kW
Slot-36 -----> Charging: 6.135524 kW.  Total Charged Power: 0.93 kW
Slot 37 -----> Discharging -1.214193 kW.  Total Charged Power: -0.28 kW
Slot 38 -----> Discharging -1.686520 kW.  Total Charged Power: -1.97 kW
Slot-39 -----> Charging: 6.472770 kW.  Total Charged Power: 4.51 kW
Slot 40(last slot) ----->Need of Discharging, Discharged Power = 1.598222
   So, finally Total Energy Charged = 2.907169 kWh




 ____________________Vehicle-25____________________
Energy Req for Vehicle-25 = -0.9957974
Entering Slot of V-25 = 33

Outgoing Slot of V-25 = 44

No of Slots for Vehicle-25 = 12

Slot 33 -----> Idle.  Total Power: 0.00 kW
Slot-34 -----> Charging: 3.624795 kW.  Total Charged Power: 3.62 kW
Slot 35 -----> Idle.  Total Power: 3.62 kW
Slot 36 -----> Idle.  Total Power: 3.62 kW
Slot 37 -----> Discharging -1.387063 kW.  Total Charged Power: 2.24 kW
Slot 38 -----> Idle.  Total Power: 2.24 kW
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Slot 39 -----> Discharging -1.828583 kW.  Total Charged Power: 0.41 kW
Slot 40 -----> Idle.  Total Power: 0.41 kW
Slot 41 -----> Idle.  Total Power: 0.41 kW
Slot 42 -----> Idle.  Total Power: 0.41 kW
Slot 43 -----> Idle.  Total Power: 0.41 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.404947
   So, finally Total Energy Charged = -0.995797 kWh



 ____________________Vehicle-26____________________
Energy Req for Vehicle-26 = -9.7149581
Entering Slot of V-26 = 34

Outgoing Slot of V-26 = 43

No of Slots for Vehicle-26 = 10

Slot 34 -----> Discharging -1.622379 kW.  Total Charged Power: -1.62 kW
Slot 35 -----> Idle.  Total Power: -1.62 kW
Slot 36 -----> Idle.  Total Power: -1.62 kW
Slot 37 -----> Discharging -1.843765 kW.  Total Charged Power: -3.47 kW
Slot 38 -----> Discharging -1.601901 kW.  Total Charged Power: -5.07 kW
Slot 39 -----> Discharging -1.681931 kW.  Total Charged Power: -6.75 kW
Slot 40 -----> Idle.  Total Power: -6.75 kW
Slot 41 -----> Idle.  Total Power: -6.75 kW
Slot 42 -----> Discharging -1.232763 kW.  Total Charged Power: -7.98 kW
Slot 43(last slot) ----->Need of Discharging, Discharged Power = 1.732219
   So, finally Total Energy Charged = -9.714958 kWh



 ____________________Vehicle-27____________________
Energy Req for Vehicle-27 = -9.7520786
Entering Slot of V-27 = 32

Outgoing Slot of V-27 = 42

No of Slots for Vehicle-27 = 11

Slot 32 -----> Idle.  Total Power: 0.00 kW
Slot 33 -----> Idle.  Total Power: 0.00 kW
Slot 34 -----> Idle.  Total Power: 0.00 kW
Slot 35 -----> Discharging -1.444784 kW.  Total Charged Power: -1.44 kW
Slot 36 -----> Discharging -1.487995 kW.  Total Charged Power: -2.93 kW
Slot 37 -----> Discharging -1.619421 kW.  Total Charged Power: -4.55 kW
Slot 38 -----> Idle.  Total Power: -4.55 kW
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Slot 39 -----> Discharging -1.664108 kW.  Total Charged Power: -6.22 kW
Slot 40 -----> Discharging -1.085603 kW.  Total Charged Power: -7.30 kW
Slot 41 -----> Discharging -1.399972 kW.  Total Charged Power: -8.70 kW
Slot 42(last slot) ----->Need of Discharging, Discharged Power = 1.050196
   So, finally Total Energy Charged = -9.752079 kWh



 ____________________Vehicle-28____________________
Energy Req for Vehicle-28 = 2.7733972
Entering Slot of V-28 = 33

Outgoing Slot of V-28 = 46

No of Slots for Vehicle-28 = 14

Slot 33 -----> Discharging -1.398081 kWh.  Total Charged Energy: -1.40 kWh
Slot 34 -----> Idle.  Total Energy: -1.40 kWh
Slot 35 -----> Idle.  Total Energy: -1.40 kWh
Slot 36 -----> Idle.  Total Energy: -1.40 kWh
Slot 37 -----> Discharging -1.110739 kWh.  Total Charged Energy: -2.51 kWh
Slot 38 -----> Idle.  Total Energy: -2.51 kWh
Slot 39 -----> Discharging -1.667518 kWh.  Total Charged Energy: -4.18 kWh
Slot-40 -----> Charging: 6.170549 kWh.  Total Charged Energy: 1.99 kWh
Slot 41 -----> Idle.  Total Energy: 1.99 kWh
Slot 42 -----> Discharging -1.751796 kWh.  Total Charged Energy: 0.24 kWh
Slot 43 -----> Discharging -1.567071 kWh.  Total Charged Energy: -1.32 kWh
Slot 44 -----> Discharging -1.776013 kWh.  Total Charged Energy: -3.10 kWh
Slot 45 -----> Discharging -1.758337 kWh.  Total Charged Energy: -4.86 kWh
Slot 46(last slot) ----->Need of Charging, Charged Energy = 7.632403 kWh
   So, finally Total Energy charged = 2.773397 kWh



 ____________________Vehicle-29____________________
Energy Req for Vehicle-29 = 0.6472738
Entering Slot of V-29 = 31

Outgoing Slot of V-29 = 43

No of Slots for Vehicle-29 = 13

Slot 31 -----> Discharging -1.092524 kWh.  Total Charged Energy: -1.09 kWh
Slot 32 -----> Discharging -1.250122 kWh.  Total Charged Energy: -2.34 kWh
Slot 33 -----> Discharging -1.858626 kWh.  Total Charged Energy: -4.20 kWh
Slot 34 -----> Idle.  Total Energy: -4.20 kWh
Slot 35 -----> Discharging -1.785241 kWh.  Total Charged Energy: -5.99 kWh
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Slot 36 -----> Discharging -1.112434 kWh.  Total Charged Energy: -7.10 kWh
Slot 37 -----> Idle.  Total Energy: -7.10 kWh
Slot 38 -----> Discharging -1.702914 kWh.  Total Charged Energy: -8.80 kWh
Slot 39 -----> Discharging -1.000669 kWh.  Total Charged Energy: -9.80 kWh
Slot-40 -----> Charging: 4.165710 kWh.  Total Charged Energy: -5.64 kWh
Slot 41 -----> Idle.  Total Energy: -5.64 kWh
Slot 42 -----> Discharging -1.376903 kWh.  Total Charged Energy: -7.01 kWh
Slot 43(last slot) ----->Need of Charging, Charged Energy = 7.660997 kWh
   So, finally Total Energy charged = 0.647274 kWh




 ____________________Vehicle-30____________________
Energy Req for Vehicle-30 = 0.2377385
Entering Slot of V-30 = 35

Outgoing Slot of V-30 = 46

No of Slots for Vehicle-30 = 12

Slot 35 -----> Idle.  Total Energy: 0.00 kWh
Slot 36 -----> Discharging -1.426368 kWh.  Total Charged Energy: -1.43 kWh
Slot 37 -----> Idle.  Total Energy: -1.43 kWh
Slot 38 -----> Idle.  Total Energy: -1.43 kWh
Slot 39 -----> Idle.  Total Energy: -1.43 kWh
Slot 40 -----> Discharging -1.776507 kWh.  Total Charged Energy: -3.20 kWh
Slot 41 -----> Discharging -1.892262 kWh.  Total Charged Energy: -5.10 kWh
Slot 42 -----> Discharging -1.584074 kWh.  Total Charged Energy: -6.68 kWh
Slot 43 -----> Idle.  Total Energy: -6.68 kWh
Slot 44 -----> Discharging -1.840541 kWh.  Total Charged Energy: -8.52 kWh
Slot-45 -----> Charging: 3.716437 kWh.  Total Charged Energy: -4.80 kWh
Slot 46(last slot) ----->Need of Charging, Charged Energy = 5.041053 kWh
   So, finally Total Energy charged = 0.237739 kWh




 ____________________Vehicle-31____________________
Energy Req for Vehicle-31 = 4.7993722
Entering Slot of V-31 = 29

Outgoing Slot of V-31 = 47

No of Slots for Vehicle-31 = 19

Slot-29 -----> Charging: 4.774234 kW.  Total Charged Power: 4.77 kW
Slot 30 -----> Idle.  Total Power: 4.77 kW
Slot 31 -----> Discharging -1.630597 kW.  Total Charged Power: 3.14 kW
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Slot 32 -----> Idle.  Total Power: 3.14 kW
Slot 33 -----> Idle.  Total Power: 3.14 kW
Slot 34 -----> Discharging -1.457441 kW.  Total Charged Power: 1.69 kW
Slot 35 -----> Discharging -1.400140 kW.  Total Charged Power: 0.29 kW
Slot 36 -----> Idle.  Total Power: 0.29 kW
Slot 37 -----> Discharging -1.445317 kW.  Total Charged Power: -1.16 kW
Slot 38 -----> Discharging -1.347280 kW.  Total Charged Power: -2.51 kW
Slot 39 -----> Idle.  Total Power: -2.51 kW
Slot 40 -----> Idle.  Total Power: -2.51 kW
Slot-41 -----> Charging: 4.227111 kW.  Total Charged Power: 1.72 kW
Slot-42 -----> Charging: 6.219516 kW.  Total Charged Power: 7.94 kW
Slot 43 -----> Idle.  Total Power: 7.94 kW
Slot 44 -----> Idle.  Total Power: 7.94 kW
Slot 45 -----> Discharging -1.591603 kW.  Total Charged Power: 6.35 kW
Slot 46 -----> Idle.  Total Power: 6.35 kW
Slot 47(last slot) ----->Need of Discharging, Discharged Power = 1.549111
   So, finally Total Energy Charged = 4.799372 kWh




 ____________________Vehicle-32____________________
Energy Req for Vehicle-32 = 3.5374119
Entering Slot of V-32 = 34

Outgoing Slot of V-32 = 44

No of Slots for Vehicle-32 = 11

Slot-34 -----> Charging: 5.122681 kWh.  Total Charged Energy: 5.12 kWh
Slot 35 -----> Discharging -1.593494 kWh.  Total Charged Energy: 3.53 kWh
Slot 36 -----> Idle.  Total Energy: 3.53 kWh
Slot 37 -----> Discharging -1.260236 kWh.  Total Charged Energy: 2.27 kWh
Slot 38 -----> Discharging -1.542779 kWh.  Total Charged Energy: 0.73 kWh
Slot 39 -----> Idle.  Total Energy: 0.73 kWh
Slot 40 -----> Idle.  Total Energy: 0.73 kWh
Slot 41 -----> Discharging -1.428475 kWh.  Total Charged Energy: -0.70 kWh
Slot 42 -----> Idle.  Total Energy: -0.70 kWh
Slot 43 -----> Idle.  Total Energy: -0.70 kWh
Slot 44(last slot) ----->Need of Charging, Charged Energy = 4.239715 kWh
   So, finally Total Energy charged = 3.537412 kWh




 ____________________Vehicle-33____________________
Energy Req for Vehicle-33 = 1.5131925
Entering Slot of V-33 = 30
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Outgoing Slot of V-33 = 45

No of Slots for Vehicle-33 = 16

Slot 30 -----> Idle.  Total Energy: 0.00 kWh
Slot 31 -----> Discharging -1.786035 kWh.  Total Charged Energy: -1.79 kWh
Slot 32 -----> Discharging -1.654458 kWh.  Total Charged Energy: -3.44 kWh
Slot-33 -----> Charging: 4.781222 kWh.  Total Charged Energy: 1.34 kWh
Slot 34 -----> Discharging -1.338727 kWh.  Total Charged Energy: 0.00 kWh
Slot-35 -----> Charging: 5.003862 kWh.  Total Charged Energy: 5.01 kWh
Slot 36 -----> Idle.  Total Energy: 5.01 kWh
Slot 37 -----> Discharging -1.801226 kWh.  Total Charged Energy: 3.20 kWh
Slot 38 -----> Discharging -1.558419 kWh.  Total Charged Energy: 1.65 kWh
Slot 39 -----> Discharging -1.740958 kWh.  Total Charged Energy: -0.09 kWh
Slot 40 -----> Idle.  Total Energy: -0.09 kWh
Slot 41 -----> Discharging -1.985872 kWh.  Total Charged Energy: -2.08 kWh
Slot 42 -----> Idle.  Total Energy: -2.08 kWh
Slot 43 -----> Discharging -1.980349 kWh.  Total Charged Energy: -4.06 kWh
Slot 44 -----> Idle.  Total Energy: -4.06 kWh
Slot 45(last slot) ----->Need of Charging, Charged Energy = 5.574152 kWh
   So, finally Total Energy charged = 1.513193 kWh




 ____________________Vehicle-34____________________
Energy Req for Vehicle-34 = 7.1146880
Entering Slot of V-34 = 32

Outgoing Slot of V-34 = 46

No of Slots for Vehicle-34 = 15

Slot 32 -----> Discharging -1.528818 kW.  Total Charged Power: -1.53 kW
Slot 33 -----> Idle.  Total Power: -1.53 kW
Slot 34 -----> Discharging -1.806647 kW.  Total Charged Power: -3.34 kW
Slot 35 -----> Idle.  Total Power: -3.34 kW
Slot 36 -----> Discharging -1.250316 kW.  Total Charged Power: -4.59 kW
Slot 37 -----> Idle.  Total Power: -4.59 kW
Slot-38 -----> Charging: 3.995497 kW.  Total Charged Power: -0.59 kW
Slot 39 -----> Idle.  Total Power: -0.59 kW
Slot 40 -----> Discharging -1.782608 kW.  Total Charged Power: -2.37 kW
Slot-41 -----> Charging: 7.943808 kW.  Total Charged Power: 5.57 kW
Slot 42 -----> Discharging -1.419980 kW.  Total Charged Power: 4.15 kW
Slot 43 -----> Idle.  Total Power: 4.15 kW
Slot 44 -----> Discharging -1.585795 kW.  Total Charged Power: 2.57 kW
Slot-45 -----> Charging: 5.994599 kW.  Total Charged Power: 8.56 kW
Slot 46(last slot) ----->Need of Discharging, Discharged Power = 1.445051
   So, finally Total Energy Charged = 7.114688 kWh
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 ____________________Vehicle-35____________________
Energy Req for Vehicle-35 = -8.6113218
Entering Slot of V-35 = 34

Outgoing Slot of V-35 = 44

No of Slots for Vehicle-35 = 11

Slot 34 -----> Discharging -1.857151 kW.  Total Charged Power: -1.86 kW
Slot 35 -----> Idle.  Total Power: -1.86 kW
Slot 36 -----> Discharging -1.768836 kW.  Total Charged Power: -3.63 kW
Slot 37 -----> Idle.  Total Power: -3.63 kW
Slot 38 -----> Discharging -1.692608 kW.  Total Charged Power: -5.32 kW
Slot 39 -----> Discharging -1.071250 kW.  Total Charged Power: -6.39 kW
Slot 40 -----> Discharging -1.827936 kW.  Total Charged Power: -8.22 kW
Slot 41 -----> Discharging -1.077444 kW.  Total Charged Power: -9.30 kW
Slot-42 -----> Charging: 3.527824 kW.  Total Charged Power: -5.77 kW
Slot 43 -----> Discharging -1.832062 kW.  Total Charged Power: -7.60 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.011859
   So, finally Total Energy Charged = -8.611322 kWh



 ____________________Vehicle-36____________________
Energy Req for Vehicle-36 = 5.8399446
Entering Slot of V-36 = 35

Outgoing Slot of V-36 = 46

No of Slots for Vehicle-36 = 12

Slot-35 -----> Charging: 3.301525 kWh.  Total Charged Energy: 3.30 kWh
Slot 36 -----> Idle.  Total Energy: 3.30 kWh
Slot 37 -----> Discharging -1.917501 kWh.  Total Charged Energy: 1.38 kWh
Slot 38 -----> Discharging -1.786564 kWh.  Total Charged Energy: -0.40 kWh
Slot 39 -----> Discharging -1.409258 kWh.  Total Charged Energy: -1.81 kWh
Slot 40 -----> Idle.  Total Energy: -1.81 kWh
Slot-41 -----> Charging: 3.242314 kWh.  Total Charged Energy: 1.43 kWh
Slot 42 -----> Idle.  Total Energy: 1.43 kWh
Slot 43 -----> Idle.  Total Energy: 1.43 kWh
Slot 44 -----> Idle.  Total Energy: 1.43 kWh
Slot 45 -----> Discharging -1.127692 kWh.  Total Charged Energy: 0.30 kWh
Slot 46(last slot) ----->Need of Charging, Charged Energy = 5.537121 kWh
   So, finally Total Energy charged = 5.839945 kWh
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 ____________________Vehicle-37____________________
Energy Req for Vehicle-37 = -5.5844526
Entering Slot of V-37 = 30

Outgoing Slot of V-37 = 41

No of Slots for Vehicle-37 = 12

Slot 30 -----> Discharging -1.735141 kWh.  Total Charged Energy: -1.74 kWh
Slot 31 -----> Discharging -1.121937 kWh.  Total Charged Energy: -2.86 kWh
Slot 32 -----> Discharging -1.543301 kWh.  Total Charged Energy: -4.40 kWh
Slot 33 -----> Discharging -1.691825 kWh.  Total Charged Energy: -6.09 kWh
Slot 34 -----> Idle.  Total Energy: -6.09 kWh
Slot 35 -----> Idle.  Total Energy: -6.09 kWh
Slot 36 -----> Idle.  Total Energy: -6.09 kWh
Slot 37 -----> Discharging -1.092980 kWh.  Total Charged Energy: -7.19 kWh
Slot 38 -----> Idle.  Total Energy: -7.19 kWh
Slot 39 -----> Discharging -1.840450 kWh.  Total Charged Energy: -9.03 kWh
Slot 40 -----> Idle.  Total Energy: -9.03 kWh
Slot 41(last slot) ----->Need of Charging, Charged Energy = 3.441182 kWh
   So, finally Total Energy charged = -5.584453 kWh



 ____________________Vehicle-38____________________
Energy Req for Vehicle-38 = -7.5760895
Entering Slot of V-38 = 36

Outgoing Slot of V-38 = 47

No of Slots for Vehicle-38 = 12

Slot 36 -----> Idle.  Total Energy: 0.00 kWh
Slot 37 -----> Discharging -1.039599 kWh.  Total Charged Energy: -1.04 kWh
Slot 38 -----> Discharging -1.474885 kWh.  Total Charged Energy: -2.51 kWh
Slot 39 -----> Discharging -1.896093 kWh.  Total Charged Energy: -4.41 kWh
Slot 40 -----> Idle.  Total Energy: -4.41 kWh
Slot 41 -----> Idle.  Total Energy: -4.41 kWh
Slot 42 -----> Discharging -1.976158 kWh.  Total Charged Energy: -6.39 kWh
Slot 43 -----> Idle.  Total Energy: -6.39 kWh
Slot 44 -----> Discharging -1.747532 kWh.  Total Charged Energy: -8.13 kWh
Slot 45 -----> Discharging -1.741052 kWh.  Total Charged Energy: -9.88 kWh
Slot 46 -----> Discharging -1.743473 kWh.  Total Charged Energy: -11.62 kWh
Slot 47(last slot) ----->Need of Charging, Charged Energy = 4.042702 kWh
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   So, finally Total Energy charged = -7.576089 kWh



 ____________________Vehicle-39____________________
Energy Req for Vehicle-39 = 1.9028350
Entering Slot of V-39 = 34

Outgoing Slot of V-39 = 42

No of Slots for Vehicle-39 = 9

Slot 34 -----> Discharging -1.136336 kW.  Total Charged Power: -1.14 kW
Slot 35 -----> Discharging -1.057304 kW.  Total Charged Power: -2.19 kW
Slot 36 -----> Idle.  Total Power: -2.19 kW
Slot 37 -----> Discharging -1.199487 kW.  Total Charged Power: -3.39 kW
Slot 38 -----> Discharging -1.014388 kW.  Total Charged Power: -4.41 kW
Slot 39 -----> Discharging -1.345695 kW.  Total Charged Power: -5.75 kW
Slot-40 -----> Charging: 5.671181 kW.  Total Charged Power: -0.08 kW
Slot-41 -----> Charging: 3.117785 kW.  Total Charged Power: 3.04 kW
Slot 42(last slot) ----->Need of Discharging, Discharged Power = 1.132921
   So, finally Total Energy Charged = 1.902835 kWh



 ____________________Vehicle-40____________________
Energy Req for Vehicle-40 = -9.2784811
Entering Slot of V-40 = 32

Outgoing Slot of V-40 = 40

No of Slots for Vehicle-40 = 9

Slot 32 -----> Discharging -1.381208 kW.  Total Charged Power: -1.38 kW
Slot 33 -----> Discharging -1.723397 kW.  Total Charged Power: -3.10 kW
Slot 34 -----> Idle.  Total Power: -3.10 kW
Slot 35 -----> Discharging -1.935221 kW.  Total Charged Power: -5.04 kW
Slot 36 -----> Idle.  Total Power: -5.04 kW
Slot 37 -----> Discharging -1.364076 kW.  Total Charged Power: -6.40 kW
Slot 38 -----> Discharging -1.630222 kW.  Total Charged Power: -8.03 kW
Slot 39 -----> Idle.  Total Power: -8.03 kW
Slot 40(last slot) ----->Need of Discharging, Discharged Power = 1.244356
   So, finally Total Energy Charged = -9.278481 kWh
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 ____________________Vehicle-41____________________
Energy Req for Vehicle-41 = -9.2454513
Entering Slot of V-41 = 32

Outgoing Slot of V-41 = 48

No of Slots for Vehicle-41 = 17

Slot 32 -----> Discharging -1.738682 kW.  Total Charged Power: -1.74 kW
Slot 33 -----> Discharging -1.526079 kW.  Total Charged Power: -3.26 kW
Slot 34 -----> Discharging -1.931126 kW.  Total Charged Power: -5.20 kW
Slot 35 -----> Discharging -1.550208 kW.  Total Charged Power: -6.75 kW
Slot-36 -----> Charging: 4.526592 kW.  Total Charged Power: -2.22 kW
Slot 37 -----> Discharging -1.265288 kW.  Total Charged Power: -3.48 kW
Slot 38 -----> Discharging -1.989422 kW.  Total Charged Power: -5.47 kW
Slot 39 -----> Idle.  Total Power: -5.47 kW
Slot 40 -----> Idle.  Total Power: -5.47 kW
Slot 41 -----> Idle.  Total Power: -5.47 kW
Slot 42 -----> Idle.  Total Power: -5.47 kW
Slot 43 -----> Idle.  Total Power: -5.47 kW
Slot 44 -----> Discharging -1.427446 kW.  Total Charged Power: -6.90 kW
Slot 45 -----> Idle.  Total Power: -6.90 kW
Slot 46 -----> Discharging -1.100752 kW.  Total Charged Power: -8.00 kW
Slot 47 -----> Idle.  Total Power: -8.00 kW
Slot 48(last slot) ----->Need of Discharging, Discharged Power = 1.243041
   So, finally Total Energy Charged = -9.245451 kWh



 ____________________Vehicle-42____________________
Energy Req for Vehicle-42 = -6.9325390
Entering Slot of V-42 = 32

Outgoing Slot of V-42 = 44

No of Slots for Vehicle-42 = 13

Slot 32 -----> Idle.  Total Energy: 0.00 kWh
Slot 33 -----> Idle.  Total Energy: 0.00 kWh
Slot 34 -----> Discharging -1.790601 kWh.  Total Charged Energy: -1.79 kWh
Slot 35 -----> Discharging -1.546659 kWh.  Total Charged Energy: -3.34 kWh
Slot 36 -----> Discharging -1.116313 kWh.  Total Charged Energy: -4.45 kWh
Slot 37 -----> Discharging -1.302436 kWh.  Total Charged Energy: -5.76 kWh
Slot 38 -----> Discharging -1.920240 kWh.  Total Charged Energy: -7.68 kWh
Slot 39 -----> Idle.  Total Energy: -7.68 kWh
Slot 40 -----> Discharging -1.339292 kWh.  Total Charged Energy: -9.02 kWh
Slot 41 -----> Idle.  Total Energy: -9.02 kWh
Slot 42 -----> Discharging -1.237806 kWh.  Total Charged Energy: -10.25 kWh
```

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Slot 43 -----> Idle.  Total Energy: -10.25 kWh
Slot 44(last slot) ----->Need of Charging, Charged Energy = 3.320808 kWh
   So, finally Total Energy charged = -6.932539 kWh




 ____________________Vehicle-43____________________
Energy Req for Vehicle-43 = -5.7927618
Entering Slot of V-43 = 32

Outgoing Slot of V-43 = 46

No of Slots for Vehicle-43 = 15

Slot 32 -----> Discharging -1.399921 kWh.  Total Charged Energy: -1.40 kWh
Slot 33 -----> Discharging -1.033150 kWh.  Total Charged Energy: -2.43 kWh
Slot 34 -----> Discharging -1.720180 kWh.  Total Charged Energy: -4.15 kWh
Slot 35 -----> Idle.  Total Energy: -4.15 kWh
Slot 36 -----> Discharging -1.362195 kWh.  Total Charged Energy: -5.52 kWh
Slot 37 -----> Idle.  Total Energy: -5.52 kWh
Slot 38 -----> Discharging -1.926446 kWh.  Total Charged Energy: -7.44 kWh
Slot 39 -----> Discharging -1.842601 kWh.  Total Charged Energy: -9.28 kWh
Slot 40 -----> Discharging -1.872231 kWh.  Total Charged Energy: -11.16 kWh
Slot 41 -----> Discharging -1.356694 kWh.  Total Charged Energy: -12.51 kWh
Slot-42 -----> Charging: 3.603750 kWh.  Total Charged Energy: -8.91 kWh
Slot 43 -----> Idle.  Total Energy: -8.91 kWh
Slot 44 -----> Discharging -1.922503 kWh.  Total Charged Energy: -10.83 kWh
Slot 45 -----> Idle.  Total Energy: -10.83 kWh
Slot 46(last slot) ----->Need of Charging, Charged Energy = 5.039408 kWh
   So, finally Total Energy charged = -5.792762 kWh




 ____________________Vehicle-44____________________
Energy Req for Vehicle-44 = -2.3529392
Entering Slot of V-44 = 33

Outgoing Slot of V-44 = 44

No of Slots for Vehicle-44 = 12

Slot 33 -----> Idle.  Total Power: 0.00 kW
Slot 34 -----> Discharging -1.573517 kW.  Total Charged Power: -1.57 kW
Slot-35 -----> Charging: 3.399909 kW.  Total Charged Power: 1.83 kW
Slot 36 -----> Discharging -1.696049 kW.  Total Charged Power: 0.13 kW
Slot 37 -----> Discharging -1.432249 kW.  Total Charged Power: -1.30 kW
Slot-38 -----> Charging: 3.530091 kW.  Total Charged Power: 2.23 kW
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Slot 39 -----> Discharging -1.797501 kW.  Total Charged Power: 0.43 kW
Slot 40 -----> Discharging -1.013977 kW.  Total Charged Power: -0.58 kW
Slot 41 -----> Discharging -1.967448 kW.  Total Charged Power: -2.55 kW
Slot 42 -----> Discharging -1.452649 kW.  Total Charged Power: -4.00 kW
Slot-43 -----> Charging: 3.211700 kW.  Total Charged Power: -0.79 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.561248
   So, finally Total Energy Charged = -2.352939 kWh




 ____________________Vehicle-45____________________
Energy Req for Vehicle-45 = -0.7423296
Entering Slot of V-45 = 33

Outgoing Slot of V-45 = 42

No of Slots for Vehicle-45 = 10

Slot 33 -----> Discharging -1.995852 kW.  Total Charged Power: -2.00 kW
Slot-34 -----> Charging: 3.471348 kW.  Total Charged Power: 1.48 kW
Slot 35 -----> Idle.  Total Power: 1.48 kW
Slot 36 -----> Idle.  Total Power: 1.48 kW
Slot 37 -----> Discharging -1.200820 kW.  Total Charged Power: 0.27 kW
Slot-38 -----> Charging: 3.009081 kW.  Total Charged Power: 3.28 kW
Slot 39 -----> Discharging -1.083981 kW.  Total Charged Power: 2.20 kW
Slot 40 -----> Idle.  Total Power: 2.20 kW
Slot 41 -----> Discharging -1.377758 kW.  Total Charged Power: 0.82 kW
Slot 42(last slot) ----->Need of Discharging, Discharged Power = 1.564349
   So, finally Total Energy Charged = -0.742330 kWh




 ____________________Vehicle-46____________________
Energy Req for Vehicle-46 = -6.7803120
Entering Slot of V-46 = 34

Outgoing Slot of V-46 = 37

No of Slots for Vehicle-46 = 4

Slot 34 -----> Discharging -1.985026 kW.  Total Charged Power: -1.99 kW
Slot 35 -----> Discharging -1.395800 kW.  Total Charged Power: -3.38 kW
Slot 36 -----> Discharging -1.956042 kW.  Total Charged Power: -5.34 kW
Slot 37(last slot) ----->Need of Discharging, Discharged Power = 1.443444
   So, finally Total Energy Charged = -6.780312 kWh
```

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 ____________________Vehicle-47____________________
Energy Req for Vehicle-47 = -7.2784512
Entering Slot of V-47 = 36

Outgoing Slot of V-47 = 46

No of Slots for Vehicle-47 = 11

Slot 36 -----> Discharging -1.919725 kWh.  Total Charged Energy: -1.92 kWh
Slot 37 -----> Discharging -1.043739 kWh.  Total Charged Energy: -2.96 kWh
Slot 38 -----> Discharging -1.483858 kWh.  Total Charged Energy: -4.45 kWh
Slot 39 -----> Idle.  Total Energy: -4.45 kWh
Slot 40 -----> Discharging -1.774154 kWh.  Total Charged Energy: -6.22 kWh
Slot 41 -----> Discharging -1.638722 kWh.  Total Charged Energy: -7.86 kWh
Slot 42 -----> Idle.  Total Energy: -7.86 kWh
Slot 43 -----> Discharging -1.841790 kWh.  Total Charged Energy: -9.70 kWh
Slot 44 -----> Discharging -1.543839 kWh.  Total Charged Energy: -11.25 kWh
Slot 45 -----> Idle.  Total Energy: -11.25 kWh
Slot 46(last slot) ----->Need of Charging, Charged Energy = 3.967376 kWh
   So, finally Total Energy charged = -7.278451 kWh



 ____________________Vehicle-48____________________
Energy Req for Vehicle-48 = -10.6948115
Entering Slot of V-48 = 34

Outgoing Slot of V-48 = 44

No of Slots for Vehicle-48 = 11

Slot 34 -----> Discharging -1.484006 kW.  Total Charged Power: -1.48 kW
Slot 35 -----> Discharging -1.052894 kW.  Total Charged Power: -2.54 kW
Slot 36 -----> Idle.  Total Power: -2.54 kW
Slot 37 -----> Discharging -1.304223 kW.  Total Charged Power: -3.84 kW
Slot 38 -----> Idle.  Total Power: -3.84 kW
Slot 39 -----> Discharging -1.596224 kW.  Total Charged Power: -5.44 kW
Slot 40 -----> Discharging -1.690843 kW.  Total Charged Power: -7.13 kW
Slot 41 -----> Discharging -1.591521 kW.  Total Charged Power: -8.72 kW
Slot 42 -----> Idle.  Total Power: -8.72 kW
Slot 43 -----> Idle.  Total Power: -8.72 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.975101
   So, finally Total Energy Charged = -10.694812 kWh
```

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 ____________________Vehicle-49____________________
Energy Req for Vehicle-49 = -7.9365529
Entering Slot of V-49 = 32

Outgoing Slot of V-49 = 44

No of Slots for Vehicle-49 = 13

Slot-32 -----> Charging: 5.783294 kW.  Total Charged Power: 5.78 kW
Slot 33 -----> Idle.  Total Power: 5.78 kW
Slot 34 -----> Discharging -1.776273 kW.  Total Charged Power: 4.01 kW
Slot 35 -----> Idle.  Total Power: 4.01 kW
Slot 36 -----> Discharging -1.548063 kW.  Total Charged Power: 2.46 kW
Slot 37 -----> Discharging -1.251533 kW.  Total Charged Power: 1.21 kW
Slot 38 -----> Discharging -1.503136 kW.  Total Charged Power: -0.30 kW
Slot 39 -----> Discharging -1.320270 kW.  Total Charged Power: -1.62 kW
Slot 40 -----> Discharging -1.548762 kW.  Total Charged Power: -3.16 kW
Slot 41 -----> Discharging -1.250845 kW.  Total Charged Power: -4.42 kW
Slot 42 -----> Idle.  Total Power: -4.42 kW
Slot 43 -----> Discharging -1.805480 kW.  Total Charged Power: -6.22 kW
Slot 44(last slot) ----->Need of Discharging, Discharged Power = 1.715483
   So, finally Total Energy Charged = -7.936553 kWh



 ____________________Vehicle-50____________________
Energy Req for Vehicle-50 = -10.4394071
Entering Slot of V-50 = 34

Outgoing Slot of V-50 = 45

No of Slots for Vehicle-50 = 12

Slot 34 -----> Idle.  Total Power: 0.00 kW
Slot 35 -----> Discharging -1.391526 kW.  Total Charged Power: -1.39 kW
Slot 36 -----> Idle.  Total Power: -1.39 kW
Slot 37 -----> Discharging -1.388369 kW.  Total Charged Power: -2.78 kW
Slot 38 -----> Idle.  Total Power: -2.78 kW
Slot 39 -----> Discharging -1.755855 kW.  Total Charged Power: -4.54 kW
Slot 40 -----> Discharging -1.808227 kW.  Total Charged Power: -6.34 kW
Slot 41 -----> Idle.  Total Power: -6.34 kW
Slot 42 -----> Discharging -1.519613 kW.  Total Charged Power: -7.86 kW
Slot 43 -----> Idle.  Total Power: -7.86 kW
Slot 44 -----> Discharging -1.258310 kW.  Total Charged Power: -9.12 kW
Slot 45(last slot) ----->Need of Discharging, Discharged Power = 1.317507
   So, finally Total Energy Charged = -10.439407 kWh
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  Columns 13 through 16

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  Columns 29 through 32

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         0         0    0.8270   -0.1782
         0         0         0         0
         0         0         0   -0.2081
         0         0    0.5591    0.5860
         0         0         0         0
         0         0         0   -0.1687
         0         0   -0.2242    0.7423
         0         0         0   -0.2093
         0   -0.0985   -0.2603   -0.2781
         0   -0.1084   -0.1570    0.7716
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         0         0         0         0
         0         0         0         0
   -0.1466   -0.1534   -0.2107   -0.2079
         0   -0.1462   -0.2528   -0.2415
         0         0         0    1.0693
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         0         0         0         0
   -0.1273   -0.1241    0.9772   -0.1926
    0.3515    0.5262    0.8446    0.8357
    0.6195   -0.1154    0.4538   -0.2003
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         0         0         0   -0.1464
         0         0         0         0
         0         0   -0.1459   -0.1785
         0         0         0         0
    0.4850         0   -0.2177   -0.2400
         0         0         0         0
         0    0.3420   -0.2385   -0.2363
         0         0         0   -0.2183
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         0   -0.1480   -0.1498   -0.2204
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         0         0         0         0
         0         0         0   -0.1973
         0         0         0   -0.2483
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  Columns 33 through 36

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   -0.1530   -0.2190   -0.2760   -0.1909
    0.6052   -0.2232   -0.2690    0.8582
   -0.2384   -0.2343    0.7848   -0.2777
         0         0    0.9645   -0.2469
   -0.2631    0.5732    1.0502   -0.2495
   -0.2736   -0.2775   -0.2867    0.5786
         0         0         0   -0.2766
   -0.2498    0.8286    0.6696   -0.2042
   -0.2168   -0.2297   -0.2472   -0.1761
    0.8259   -0.1777   -0.1830    0.7957
    0.8413    0.7224   -0.2836   -0.3031
    0.7949    0.6659   -0.2985    0.9242
         0         0         0         0
         0         0         0    0.9206
```

```
   -0.2316   -0.2355   -0.2571    0.7771
   -0.1639    0.4519   -0.2322   -0.1655
   -0.2440   -0.1535    0.7401    0.5638
   -0.1721    0.8620   -0.1731    0.7563
         0   -0.2673   -0.2510   -0.3067
   -0.2121    0.5933   -0.2436   -0.3081
    0.6689   -0.2563   -0.2691   -0.2865
   -0.1479    0.8498   -0.2260   -0.3050
   -0.2500   -0.2721   -0.2401    0.9743
   -0.1560    0.5278    1.0946   -0.3032
         0   -0.2362    1.0437    1.2691
   -0.1895    0.6115   -0.2192   -0.2363
   -0.1997   -0.1937   -0.2021    1.2283
   -0.2654    0.4797   -0.2708   -0.1766
         0         0   -0.2912   -0.2265
    0.8691   -0.2122   -0.2124    0.6117
         0    0.7459   -0.2417    1.0424
    0.6828   -0.1949    0.7591    0.6303
   -0.1494   -0.2631   -0.2515   -0.1985
         0   -0.2704    0.9804   -0.2809
         0         0    0.5008    0.7506
   -0.2416   -0.2523   -0.2389    1.2064
         0         0         0    0.7191
         0   -0.1655   -0.1604    1.0361
   -0.2461   -0.2332   -0.2936    1.2345
   -0.2179   -0.2812   -0.2352    0.7188
    0.6001   -0.2607   -0.2346   -0.1773
   -0.1475   -0.2505   -0.2921   -0.2163
   -0.1478   -0.2291    0.5158   -0.2693
   -0.2850    0.5055    0.5129   -0.2189
         0   -0.2890   -0.2117   -0.3106
         0         0         0   -0.3048
         0   -0.2161   -0.1597    0.6425
   -0.2470   -0.2586    1.1988   -0.2458
         0   -0.2207   -0.2111   -0.2273

Columns 37 through 40

   -0.1801   -0.3430   -0.4206    0.9525
   -0.2506    1.5586   -0.5196   -0.4645
   -0.2331   -0.3342   -0.3455   -0.4016
    0.5776   -0.3786   -0.6045   -0.4101
   -0.2028   -0.3266    1.4162    0.9800
   -0.3178    1.2447   -0.4789   -0.4308
    1.4007   -0.2903   -0.3138   -0.3239
    1.3588    1.1348   -0.3341    2.1278
   -0.2346   -0.3233   -0.6013   -0.4059
    0.6212   -0.4039   -0.5914    1.3898
   -0.3467   -0.2658    2.2412   -0.4733
```

```
    1.1037    0.7078   -0.3350    1.2217
   -0.3446   -0.3903    1.0589   -0.4641
         0         0   -0.5844   -0.5080
   -0.3197   -0.2811   -0.3338   -0.3567
   -0.2339   -0.3365   -0.3671   -0.4506
    0.5449   -0.3319    1.5662   -0.3724
   -0.2417   -0.3385    1.2825   -0.3513
   -0.2973   -0.2699    2.0477   -0.5464
   -0.2235   -0.2174   -0.4572   -0.3404
   -0.2966   -0.2581    1.5142    1.4303
   -0.2193    1.5504    0.9342   -0.3226
   -0.2548   -0.2307   -0.5684   -0.4738
   -0.2131   -0.3514    1.9837   -0.4898
   -0.2435    1.0965   -0.5604   -0.5684
   -0.3236   -0.3337   -0.5155   -0.5135
   -0.2842    1.2464   -0.5100   -0.3327
   -0.1950    1.5078   -0.5110    1.8911
    0.6892   -0.3548   -0.3067    1.2767
   -0.2232         0   -0.5366   -0.5445
   -0.2537   -0.2807         0   -0.3189
   -0.2212   -0.3214   -0.4707    2.3308
   -0.3162   -0.3247   -0.5336    1.7354
    0.8457    0.8324   -0.3400   -0.5463
    1.1526   -0.3526   -0.3283   -0.5602
   -0.3366   -0.3722   -0.4319   -0.4939
   -0.1918   -0.3467   -0.5640    1.7189
   -0.1825   -0.3073   -0.5811   -0.5471
   -0.2105   -0.2113   -0.4124    1.7381
   -0.2394   -0.3396    1.3150   -0.3814
   -0.2221   -0.4145   -0.3690   -0.5376
   -0.2286   -0.4001   -0.3580   -0.4105
    1.0543   -0.4014   -0.5647   -0.5738
   -0.2514    0.7355   -0.5509   -0.3108
   -0.2108    0.6269   -0.3322    2.1520
   -0.2534         0         0         0
   -0.1832   -0.3091    1.8565   -0.5437
   -0.2289    1.4616   -0.4892   -0.5182
   -0.2197   -0.3132   -0.4046   -0.4747
   -0.2437    0.7228   -0.5381   -0.5542

Columns 41 through 44

   -0.3986    1.8209   -0.3766    1.2944
    1.4760         0         0         0
   -0.5956   -0.3167    1.7728   -0.3425
    1.2281    1.4157    1.4689         0
   -0.3500   -0.4280   -0.2410   -0.3571
   -0.5144   -0.5987   -0.3165   -0.2057
    2.1207   -0.3298   -0.3381   -0.2252
```

```
   -0.5390   -0.4431   -0.3923   -0.3418
   -0.5715   -0.4046   -0.2857         0
   -0.5112    1.0093    0.7110         0
    1.7864    1.7667   -0.2368   -0.2654
         0         0         0         0
   -0.3415    0.9736   -0.2703   -0.2987
   -0.3419   -0.3978    0.9060         0
   -0.3517   -0.3900    1.7475         0
    1.6360   -0.3194    1.0854   -0.2925
   -0.5577   -0.5224   -0.3542    0.6181
    2.3679   -0.3602         0         0
   -0.3715   -0.3558    1.0958   -0.2374
    1.6229   -0.4146   -0.3485    0.5697
   -0.3871   -0.3566   -0.3564    0.5709
   -0.5378   -0.3718   -0.3143         0
   -0.5564   -0.3205   -0.4276    1.0522
         0         0         0         0
    2.2419   -0.5868    1.8038   -0.2596
    1.2705   -0.3778   -0.4094         0
   -0.4290   -0.3219         0         0
   -0.4582   -0.5369   -0.3704   -0.3282
   -0.5417   -0.4220    1.8108         0
   -0.5798   -0.4855    1.4759   -0.3402
    1.2953    1.9063   -0.4283         0
   -0.4377    1.4004    1.8255    0.7835
   -0.6085   -0.5962   -0.4681    1.0805
    2.4342   -0.4352    0.7579   -0.2931
   -0.3302    1.0813   -0.4330   -0.1870
    0.9935    1.8292    1.5195   -0.2096
    1.0545         0         0         0
   -0.3691   -0.6057    1.3443   -0.3230
    0.9554   -0.3472         0         0
         0         0         0         0
    1.7183   -0.4984    1.0045   -0.2638
   -0.5098   -0.3794    1.6972    0.6137
   -0.4157    1.1045   -0.4419   -0.3553
   -0.6029   -0.4452    0.7591   -0.2885
   -0.4222   -0.4795         0         0
         0         0         0         0
   -0.5022   -0.3131   -0.4353   -0.2853
   -0.4877    2.0310   -0.4098   -0.3650
   -0.3833   -0.5534   -0.4268   -0.3170
    1.9618   -0.4658   -0.3988   -0.2325

  Columns 45 through 48

    0.6505    1.1416         0         0
         0         0         0         0
         0         0         0         0
```

```
         0         0         0         0
   -0.2386         0         0         0
    0.4935         0         0         0
   -0.1814         0         0         0
         0         0         0         0
         0         0         0         0
         0         0         0         0
   -0.1739   -0.2003   -0.1590         0
         0         0         0         0
         0         0         0         0
    0.7605         0         0         0
         0         0         0         0
   -0.2663   -0.1886         0         0
         0         0         0         0
         0         0         0         0
   -0.2040         0         0         0
         0         0         0         0
         0         0         0         0
         0         0         0         0
   -0.1888         0         0         0
         0         0         0         0
         0         0         0         0
         0         0         0         0
         0         0         0         0
   -0.2667    1.0893         0         0
         0         0         0         0
    0.5636    0.7195         0         0
   -0.2414         0   -0.2161         0
         0         0         0         0
    0.8453         0         0         0
    0.9091   -0.2062         0         0
         0         0         0         0
   -0.1710    0.7903         0         0
         0         0         0         0
   -0.2640   -0.2488    0.5639         0
         0         0         0         0
         0         0         0         0
   -0.2958   -0.1571    0.6359   -0.1733
         0         0         0         0
   -0.2723    0.7192         0         0
         0         0         0         0
         0         0         0         0
         0         0         0         0
   -0.1621    0.5662         0         0
         0         0         0         0
         0         0         0         0
   -0.1998         0         0         0
```

```
Total Cost for Vehicle-1 = 4.152582

Total Cost for Vehicle-2 = 1.574170

Total Cost for Vehicle-3 = -0.029106

Total Cost for Vehicle-4 = 3.980247

Total Cost for Vehicle-5 = 0.969587

Total Cost for Vehicle-6 = -0.222004

Total Cost for Vehicle-7 = 2.404847

Total Cost for Vehicle-8 = 2.294386

Total Cost for Vehicle-9 = -1.951383

Total Cost for Vehicle-10 = 1.873203

Total Cost for Vehicle-11 = 4.724757

Total Cost for Vehicle-12 = 3.038362

Total Cost for Vehicle-13 = 2.515597

Total Cost for Vehicle-14 = -0.165661

Total Cost for Vehicle-15 = 0.635013

Total Cost for Vehicle-16 = 0.319491

Total Cost for Vehicle-17 = -0.237652

Total Cost for Vehicle-18 = 2.624745

Total Cost for Vehicle-19 = 3.203623

Total Cost for Vehicle-20 = -0.634014

Total Cost for Vehicle-21 = 2.223376

Total Cost for Vehicle-22 = 2.742244

Total Cost for Vehicle-23 = -1.040348

Total Cost for Vehicle-24 = 1.141436
```

```
Total Cost for Vehicle-25 = 4.086852

Total Cost for Vehicle-26 = 0.873489

Total Cost for Vehicle-27 = -0.811420

Total Cost for Vehicle-28 = 2.454711

Total Cost for Vehicle-29 = 1.593939

Total Cost for Vehicle-30 = -0.468478

Total Cost for Vehicle-31 = 2.546031

Total Cost for Vehicle-32 = 6.435792

Total Cost for Vehicle-33 = 2.558412

Total Cost for Vehicle-34 = 2.877646

Total Cost for Vehicle-35 = 0.471542

Total Cost for Vehicle-36 = 4.368751

Total Cost for Vehicle-37 = 1.626185

Total Cost for Vehicle-38 = -0.801078

Total Cost for Vehicle-39 = 2.222175

Total Cost for Vehicle-40 = 0.618909

Total Cost for Vehicle-41 = 0.163274

Total Cost for Vehicle-42 = 0.943940

Total Cost for Vehicle-43 = -1.253361

Total Cost for Vehicle-44 = -1.085569

Total Cost for Vehicle-45 = 1.848686

Total Cost for Vehicle-46 = -1.064736

Total Cost for Vehicle-47 = -0.616173

Total Cost for Vehicle-48 = 1.260526

Total Cost for Vehicle-49 = -1.819364
```

```
 Total Cost for Vehicle-50 = -0.607375summer
Enter the No of Vehicles:
```