

Prioritize The Passage Of Vehicles At Intersections According To Fuel Consumption - Report -

Supervisor:

Mr. Ronen Zilber

Authors:

Rashed Kewan 318369170 Rashed.Kewan@e.braude.ac.il

Ibrahim Qassem 207925926 Ibrahim.Kassem@e.braude.ac.il

Date : 02/01/2023

Time : 01:21:37

Algorithm Activity Status : ON

Time Elapsed : 15

Vehicles Data

vehicle_type	speed	weight	generatin
car	2.5	1	12
bus	1.8	10	12
truck	1.8	8	12
motorcycle	2.5	2	12

Vehicles Average Speeds

vehicle_type	vehicle_speed_avg
--------------	-------------------

car	34.56037098967327
-----	-------------------

car	28.25697873269894
-----	-------------------

car	10.94427587594025
-----	-------------------

car	32.29025529650233
-----	-------------------

car	19.99790082863068
-----	-------------------

car	49.01939643256095
-----	-------------------

car	18.38416471382666
-----	-------------------

car	4.230769230769231
-----	-------------------

car	14.29235473649502
-----	-------------------

car	24.36923076923077
-----	-------------------

car	10.53120801187347
-----	-------------------

car	28.52869752781974
-----	-------------------

bus	24.8692307692306
-----	------------------

bus	27.60952295861656
-----	-------------------

bus	23.73636236709226
-----	-------------------

bus	6.05665677286268
-----	------------------

bus	10.87811420231049
-----	-------------------

bus	2.07692307692309
-----	------------------

bus	18.13846153846165
-----	-------------------

bus	30.37490224156705
-----	-------------------

bus	14.73650585572299
-----	-------------------

bus	14.42393364829489
-----	-------------------

bus	1.938461538461551
-----	-------------------

bus	22.6993787567435
-----	------------------

truck	34.23113781640609
-------	-------------------

truck	17.33596728623158
-------	-------------------

truck	2.21538461538456
-------	------------------

truck	31.32482027290164
-------	-------------------

truck	46.18286182097726
-------	-------------------

truck	15.77822320772317
-------	-------------------

truck	29.59236938649214
-------	-------------------

truck	32.0153641234028
-------	------------------

truck	18.93480024459923
-------	-------------------

truck	33.9046526789519
-------	------------------

truck	5.261538461538494
-------	-------------------

truck	10.02304041075074
-------	-------------------

Graphs

