TASK 1 (Time in milli second)

Case	Dijikstra	A* admissible	A* non-admissible	A* manhattan	A* diagonal	A* euclid
Case 1	0.193262100	0.1726186275	0.011063098	0.0145189	0.1185419559	0.10287499
Case 2 (diagonal movement allowed)	0.114492177	0.104941844	0.02003884	0.94045877	0.0947473049	0.0927448272

```
akshatanshnayak@Akshats-MacBook-Pro agv % ok gain
[zsh: command not found: ok
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_diag.py
[TIME=  0.014518976211547852
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_diag.py
[TIME=  0.11854195594787598
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_diag.py
[TIME=  0.1028749942779541
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_diag.py
[TIME=  0.011063098907470703
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_diag.py
[TIME=  0.17261862754821777
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_diag.py
[TIME=  0.19326210021972656
 akshatanshnayak@Akshats-MacBook-Pro agv % ok done
[zsh: command not found: ok
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_nondiag.py
[TIME=  0.09404587745666504
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_nondiag.py
[TIME=  0.09474730491638184
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_nondiag.py
[TIME=  0.09274482727050781
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_nondiag.py
[TIME=  0.020038843154907227
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_nondiag.py
[TIME=  0.10494184494018555
 akshatanshnayak@Akshats-MacBook-Pro agv % python3 task1_nondiag.py
[TIME=  0.11449217796325684
 akshatanshnayak@Akshats-MacBook-Pro agv %
```