```
================================================================
                    Running Static Networks
================================================================
 Running First static network...
+---------------------------+----------+-----------+---------+--------------+
| Algorithm                 | Path     | Distance  | Delay   | Total Time   |
+===========================+==========+===========+=========+==============+
| UNIFORM COST SEARCH       | A->C->G  |        18 | 247.172 | 0            |
+---------------------------+----------+-----------+---------+--------------+
| A STAR SEARCH             | A->C->G  |        18 | 247.172 | 0            |
+---------------------------+----------+-----------+---------+--------------+
| A STAR (DISTANCE) SEARCH  | A->C->G  |        21 | 247.172 | 0            |
+---------------------------+----------+-----------+---------+--------------+
| GREEDY BEST FIRST SEARCH  | A->C->G  |        18 | 247.172 | 0            |
+---------------------------+----------+-----------+---------+--------------+
| MONTE CARLO TREE SEARCH   | A->C->G  |        18 | 247.172 | 0.00100183   |
+---------------------------+----------+-----------+---------+--------------+
| CSPF                      | A->C->G  |        18 | 247.172 | 0            |
+---------------------------+----------+-----------+---------+--------------+
| GENETIC ALGORITHM         | A->C->G  |        18 | 247.172 | 0.709145     |
+---------------------------+----------+-----------+---------+--------------+
 Running Second static network...
+---------------------------+-------------+-----------+---------+--------------+
| Algorithm                 | Path        | Distance  | Delay   | Total Time   |
+===========================+=============+===========+=========+==============+
| UNIFORM COST SEARCH       | A->B->C->G  |         4 | 175.89  | 0            |
+---------------------------+-------------+-----------+---------+--------------+
| A STAR SEARCH             | A->B->C->G  |         4 | 175.89  | 0            |
+---------------------------+-------------+-----------+---------+--------------+
| A STAR (DISTANCE) SEARCH  | A->B->C->G  |         6 | 175.89  | 0            |
+---------------------------+-------------+-----------+---------+--------------+
| GREEDY BEST FIRST SEARCH  | A->B->C->G  |         4 | 175.89  | 0            |
+---------------------------+-------------+-----------+---------+--------------+
| MONTE CARLO TREE SEARCH   | A->G        |        12 | 203.086 | 0            |
+---------------------------+-------------+-----------+---------+--------------+
| CSPF                      | A->B->C->G  |         4 | 175.89  | 0            |
+---------------------------+-------------+-----------+---------+--------------+
| GENETIC ALGORITHM         | A->B->C->G  |         4 | 175.89  | 0.74147      |
+---------------------------+-------------+-----------+---------+--------------+
 Running Third static network...
+---------------------------+----------------+------------+---------+
+--------------+
| Algorithm                 | Path           | Distance   | Delay   | Total Time
|
+===========================+================+============+=========+============
=+
| UNIFORM COST SEARCH       | A->B->D->F->G  |          9 | 180.129 | 0.000999928
|
+---------------------------+----------------+------------+---------+
+--------------+
| A STAR SEARCH             | A->B->D->F->G  |          9 | 180.129 | 0
|
+---------------------------+----------------+------------+---------+
+--------------+
| A STAR (DISTANCE) SEARCH  | A->B->D->F->G  |         11 | 180.129 | 0
|
+---------------------------+----------------+------------+---------+
+--------------+
| GREEDY BEST FIRST SEARCH  | A->C->E->G     |         11 | 283.89  | 0
|
+---------------------------+----------------+------------+---------+
+--------------+
| MONTE CARLO TREE SEARCH   | A->C->E->G     |         11 | 283.89  | 0
|
```

Algorithm	Path	Distance	Delay	Total Time
CSPF	A->B->D->F->G	9	180.129	0
GENETIC ALGORITHM	A->C->F->G	10	196.368	0.737224

 Running Fourth static network...

Algorithm	Path	Distance	Delay	Total Time
UNIFORM COST SEARCH	A->B->H->J->I->G	22	311.411	0
A STAR SEARCH	A->B->H->J->I->G	22	311.411	0
A STAR (DISTANCE) SEARCH	A->B->H->J->I->G	26	311.411	0
GREEDY BEST FIRST SEARCH	A->C->H->J->K->I->G	29	334.172	0
MONTE CARLO TREE SEARCH	A->D->E->G	36	288.847	0.000998497
CSPF	A->B->H->J->I->G	22	311.411	0
GENETIC ALGORITHM	A->C->H->F->G	26	292.89	1.04942

===
                  Running Dynamic Networks
===

 Running First dynamic network...
==

Algorithm	Path	Distance	Delay	Total Time	Former Paths
UNIFORM COST SEARCH	A->C->G	18	637.172	0	No change
A STAR SEARCH	A->C->G	18	637.172	0	No change

Algorithm	Path	Distance	Delay	Total Time	Former Paths
A STAR (DISTANCE) SEARCH	A->C->G	21	637.172	0	No change
GREEDY BEST FIRST SEARCH	A->C->G	18	637.172	0	No change
MONTE CARLO TREE SEARCH	A->C->G	18	637.172	0.00100017	No change
CSPF	A->C->G	18	637.172	0	No change
GENETIC ALGORITHM	A->C->G	18	637.172	2.86315	No change

 Running Second dynamic network...
===

Algorithm	Path	Distance	Delay	Total Time	Former Paths
UNIFORM COST SEARCH	A->B->C->G	4	126	0	No change
A STAR SEARCH	A->B->C->G	4	126	0.000999689	No change
A STAR (DISTANCE) SEARCH	A->B->C->G	6	126	0	No change
GREEDY BEST FIRST SEARCH	A->B->C->G	4	126	0	No change
MONTE CARLO TREE SEARCH	A->G	12	102	0	No change
CSPF	A->B->C->G	4	126	0	No change
GENETIC ALGORITHM	A->B->C->G	4	126	2.94514	No change

 Running Third dynamic network...
===

Algorithm	Path	Distance	Delay	Total Time

Algorithm	Path	Distance	Delay	Total Time	Former Paths
UNIFORM COST SEARCH	A->B->D->F->G	9	147	0	No change
A STAR SEARCH	A->C->F->G	10	138	0	{'A->C->F->G': 10}
A STAR (DISTANCE) SEARCH	A->B->D->F->G	11	147	0	No change
GREEDY BEST FIRST SEARCH	A->C->E->G	11	159	0	No change
MONTE CARLO TREE SEARCH	A->C->E->G	11	159	0.00199914	No change
CSPF	A->B->D->F->G	9	147	0	No change
GENETIC ALGORITHM	A->C->F->G	10	138	3.24573	No change

 Running Fourth dynamic network...
```
============================================
```

Algorithm	Path	Distance	Delay	Total Time	Former Paths
UNIFORM COST SEARCH	A->B->H->J->I->G	22	222	0	No change
A STAR SEARCH	A->B->H->F->G	25	222	0	{'A->B->H->F->G': 25}
A STAR (DISTANCE) SEARCH	A->B->H->J->I->G	26	222	0.000998974	No change
GREEDY BEST FIRST SEARCH	A->C->H->J->K->I->G	29	258	0	No change
MONTE CARLO TREE SEARCH	A->D->E->G	36	204	0.000999689	No change
CSPF	A->B->H->J->I->G	22	222	0.00200033	No change

| GENETIC ALGORITHM | A->D->E->G | 36 | 206 |
4.35085 | {'A->D->E->F->G': 31, 'A->D->H->F->G': 31, 'A->D->E->G': 36} |
+--------------------------+--------------------+-----------+---------
+--------------+--+

===
                   Running Ad-Hoc Networks
===
 Running First ad-hoc network...
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| Algorithm | Path | Distance | Delay | Total Time |
Former Paths | Removed Nodes |
+=========================+==========+==========+=========+==============+=
==============================+================+

| UNIFORM COST SEARCH | A->C->G | 21 | 132 | 0 |
{'A->C->G': 21} | [] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| A STAR SEARCH | A->C->G | 16 | 89 | 0 |
{'A->B->D->G': 19, 'A->C->G': 16} | ['D'] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| A STAR (DISTANCE) SEARCH | A->C->G | 12 | 103 | 0 |
{'A->C->G': 12} | [] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| GREEDY BEST FIRST SEARCH | A->C->G | 22 | 147 | 0 |
{'A->C->G': 22, 'A->B->D->G': 29} | [] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| MONTE CARLO TREE SEARCH | A->C->G | 16 | 97 | 0.000998974 |
{'A->C->G': 16} | [] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| CSPF | A->C->G | 14 | 114 | 0 |
{'A->B->D->G': 17, 'A->C->G': 14} | [] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

| GENETIC ALGORITHM | A->B->D->G | 16 | 119 | 2.18142 |
{'A->B->D->G': 16} | ['C'] |
+--------------------------+----------+----------+---------+-------------
+--------------------------------+----------------+

 Running Second ad-hoc network...
+--------------------------+---------+----------+---------+-------------
+--------------------------------+----------------+

| Algorithm | Path | Distance | Delay | Total Time |
Former Paths | Removed Nodes |
+=========================+=========+==========+=========+==============+====
==============================+================+

| UNIFORM COST SEARCH | A->G | 5 | 92 | 0 |
{'A->B->C->G': 4, 'A->G': 5} | [] |
+--------------------------+---------+----------+---------+-------------
+--------------------------------+----------------+

| A STAR SEARCH | A->G | 9 | 93 | 0 |
{'A->G': 9} | ['D'] |
+--------------------------+---------+----------+---------+-------------
+--------------------------------+----------------+

| A STAR (DISTANCE) SEARCH | A->G | 13 | 78 | 0 |
{'A->G': 13} | ['D'] |
+--------------------------+---------+----------+---------+-------------
+--------------------------------+----------------+

| GREEDY BEST FIRST SEARCH | A->G | 3 | 80 | 0 |
{'A->G': 3} | [] |
+--------------------------+---------+----------+---------+-------------

| Algorithm | Path | Distance | Delay | Total Time |
Former Paths	Removed Nodes			
MONTE CARLO TREE SEARCH	A->G	8	83	0.000999928
{'A->G': 8}	[]			
CSPF	A->G	4	96	0
{'A->G': 4}	['E']			
GENETIC ALGORITHM	A->C->G	17	174	2.14127
{'A->B->C->G': 24, 'A->C->G': 17}	['E']			

 Running Third ad-hoc network...

| Algorithm | Path | Distance | Delay | Total Time |
Former Paths	Removed Nodes			
UNIFORM COST SEARCH	A->G	6	56	0
{'A->G': 6}	['F']			
A STAR SEARCH	A->C->F->G	13	118	0.00100017
{'A->C->F->G': 13, 'A->C->E->G': 10}	[]			
A STAR (DISTANCE) SEARCH	A->G	8	45	0
{'A->G': 8}	['E']			
GREEDY BEST FIRST SEARCH	A->E->G	8	142	0
{'A->C->E->G': 11, 'A->E->G': 8}	['C']			
MONTE CARLO TREE SEARCH	A->C->E->G	5	141	0.000999928
{'A->C->E->G': 5}	[]			
CSPF	A->G	3	47	0
{'A->G': 3}	['F']			
GENETIC ALGORITHM	A->C->F->G	12	126	2.18423
{'A->C->F->G': 12}	['B', 'D']			

 Running Fourth ad-hoc network...

| Algorithm | Path | Distance | Delay | Total Time |
Former Paths	Removed Nodes			
UNIFORM COST SEARCH	A->L->G	10	72	0
{'A->L->G': 10}	['K', 'C']			
A STAR SEARCH	A->C->H->F->G	34	211	0
{'A->C->H->F->G': 34}	[]			
A STAR (DISTANCE) SEARCH	A->G	10	62	0.000999451

| | {'A->G': 10} | ['I', 'J'] | | | |
| +------------------------+--------------+-----------+-------- | | | | |

GREEDY BEST FIRST SEARCH	A->B->H->I->G	40	212	0
{'A->B->H->I->G': 40}	['D', 'K']			

MONTE CARLO TREE SEARCH	A->D->E->G	31	152	0.000999689
{'A->D->E->G': 31}	['F']			

CSPF	A->D->E->G	17	105	0.00100064
{'A->D->E->G': 17}	['K']			

GENETIC ALGORITHM	A->F->G	15	114	2.14559
{'A->F->G': 15}	['E']			