```
argc is 1
Program Name Is: ./runway
Using defaults
 FileName is string.txt
 takeoffqsize is 5
 landingqSize is 5
 landingHoldingTime is 5
 TakeoffHoldingTime is 5
Time is 1400
handle time tick event for IDLE
Time is 1401
handle TREvent for IDLE
Flight plane1 Queued at 1401 for takeoff
Flight plane8 Queued at 1401 for landing
Stil within TAKEOFFHOLDINGTIME 1406
Flight plane9 Queued at 1401 for landing
Stil within TAKEOFFHOLDINGTIME 1406
Time is 1402
Flight plane2 Queued at 1402 for takeoff
still within takeoff holding time 1406
Flight plane3 Queued at 1402 for takeoff
still within takeoff holding time 1406
Flight plane4 Queued at 1402 for takeoff
still within takeoff holding time 1406
 Flight plane5 Queued at 1402 for takeoff
still within takeoff holding time 1406
 Flight plane6 Queued at 1402 for takeoff
still within takeoff holding time 1406
 takeoff queue is full. Rejecting plane7 at 1402
Time is 1403
Stil within TAKEOFFHOLDINGTIME 1406
Time is 1404
Stil within TAKEOFFHOLDINGTIME 1406
Time is 1405
Stil within TAKEOFFHOLDINGTIME 1406
Time is 1406
Flight plane 8 Landing . Queued at 1401 . DeQueued at 1406 . In Queue for 5
Flight plane10 Queued at 1406 for landing
Stil within LANDINGHOLDINGTIME 1411
takeoff queue is full. Rejecting plane11 at 1406
Time is 1407
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1411
```

```
Time is 1408
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1411
Time is 1409
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1411
Time is 1410
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1411
Time is 1411
handle time tick event for LANDING
Flight plane9 Landing . Queued at 1401 . DeQueued at 1411 . In Queue for 10
Time is 1412
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1416
Time is 1413
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1416
Time is 1414
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1416
Time is 1415
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1416
Flight plane12 Queued at 1415 for landing
Stil within LANDINGHOLDINGTIME 1416
Time is 1416
handle time tick event for LANDING
Flight plane10 Landing . Queued at 1406 . DeQueued at 1416 . In Queue for
10
Time is 1417
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1421
Time is 1418
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1421
Time is 1419
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1421
Time is 1420
handle time tick event for LANDING
```

```
Stil within LANDINGHOLDINGTIME 1421
Time is 1421
handle time tick event for LANDING
Flight plane12 Landing . Queued at 1415 . DeQueued at 1421 . In Queue for 6
Time is 1422
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1426
Time is 1423
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1426
Time is 1424
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1426
Time is 1425
handle time tick event for LANDING
Stil within LANDINGHOLDINGTIME 1426
Time is 1426
handle time tick event for LANDING
Flight plane2 TakeOff . Queued at 1402 . DeQueued at 1426 . In Queue for 24
Time is 1427
Stil within TAKEOFFHOLDINGTIME 1431
Time is 1428
Stil within TAKEOFFHOLDINGTIME 1431
Time is 1429
Stil within TAKEOFFHOLDINGTIME 1431
Time is 1430
Stil within TAKEOFFHOLDINGTIME 1431
Time is 1431
Flight plane3 TakeOff . Queued at 1402 . DeQueued at 1431 . In Queue for 29
Time is 1432
Stil within TAKEOFFHOLDINGTIME 1436
Time is 1433
Stil within TAKEOFFHOLDINGTIME 1436
Time is 1434
Stil within TAKEOFFHOLDINGTIME 1436
Time is 1435
Stil within TAKEOFFHOLDINGTIME 1436
Time is 1436
```

```
Flight plane4 TakeOff . Queued at 1402 . DeQueued at 1436 . In Queue for 34
Time is 1437
Stil within TAKEOFFHOLDINGTIME 1441
Time is 1438
Stil within TAKEOFFHOLDINGTIME 1441
Time is 1439
Stil within TAKEOFFHOLDINGTIME 1441
Time is 1440
Stil within TAKEOFFHOLDINGTIME 1441
Time is 1441
Flight plane5 TakeOff . Queued at 1402 . DeQueued at 1441 . In Queue for 39
Time is 1442
Stil within TAKEOFFHOLDINGTIME 1446
Time is 1443
Stil within TAKEOFFHOLDINGTIME 1446
Time is 1444
Stil within TAKEOFFHOLDINGTIME 1446
Time is 1445
Stil within TAKEOFFHOLDINGTIME 1446
Time is 1446
Flight plane6 TakeOff . Queued at 1402 . DeQueued at 1446 . In Queue for 44
Time is 1447
Stil within TAKEOFFHOLDINGTIME 1451
Time is 1448
Stil within TAKEOFFHOLDINGTIME 1451
Time is 1449
Stil within TAKEOFFHOLDINGTIME 1451
Time is 1450
Stil within TAKEOFFHOLDINGTIME 1451
Time is 1451
current state returned to idle
Time is 1452
handle time tick event for IDLE
Time is 1453
handle time tick event for IDLE
Time is 1454
handle time tick event for IDLE
```

```
Time is 1455
handle time tick event for IDLE
Time is 1456
handle time tick event for IDLE
Time is 1457
handle time tick event for IDLE
Time is 1458
handle time tick event for IDLE
Time is 1459
handle time tick event for IDLE
                        REPORT
total time taken:60
number of flights landed:4
number of flights taken off:6
number of flights diverted from the runway:0
number of flights rejected for takeoff:2
total idle (free) runway time:9
max waiting time in queue to takeoff:44
max waiting time in queue to land:10
no of planes yet to land 0
no of planes yet to takeoff 0
```

