

ARENA Simulation Results
AbuBakarAtiq - License: STUDENT

Summary for Replication 1 of 7

Project: Unnamed Project
Analyst: AbuBakarAtiq

Run execution date : 1/22/2025
Model revision date: 1/22/2025

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1341
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1341
Process 1.VATimePerEntity	.01664	3.2192E-4	.00833	.02500	1341
Process 1.TotalTimePerEntity	.01664	3.2192E-4	.00833	.02500	1341
Entity 1.VATime	.00000	.00000	.00000	.00000	1502
Entity 1.NVATime	.00000	.00000	.00000	.00000	1502
Entity 1.WaitTime	.02312	.03033	.00000	5.7376	1502
Entity 1.TranTime	.12179	.00196	.00000	.41000	1502
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1502
Entity 1.TotalTime	.14491	.03133	.00000	5.9476	1502
Entity 1.VACost	.00000	.00000	.00000	.00000	1502
Entity 1.NVACost	.00000	.00000	.00000	.00000	1502
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1502
Entity 1.TranCost	.00000	.00000	.00000	.00000	1502
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1502
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1502
Human.VATime	.00536	2.6193E-4	.00000	.02500	4096
Human.NVATime	.00000	.00000	.00000	.00000	4096
Human.WaitTime	.00000	.00000	.00000	.00000	4096
Human.TranTime	.24748	9.4033E-4	.00000	.26000	4096
Human.OtherTime	.05509	.00284	.00000	.65556	4096
Human.TotalTime	.30794	.00301	.00000	.90556	4096
Human.VACost	.00000	.00000	.00000	.00000	4096
Human.NVACost	.00000	.00000	.00000	.00000	4096
Human.WaitCost	.00000	.00000	.00000	.00000	4096
Human.TranCost	.00000	.00000	.00000	.00000	4096
Human.OtherCost	.00000	.00000	.00000	.00000	4096
Human.TotalCost	.00000	.00000	.00000	.00000	4096
Hold 1.Queue.WaitingTime	2.6712	(Insuf)	.03709	5.7376	13
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	13

DISCRETE-CHANGE VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	9.0910	(Corr)	.00000	21.000	6.0000
Human.WIP	52.925	3.1675	.00000	89.000	65.000
Hold 1.Queue.NumberInQueue	1.4469	(Insuf)	.00000	5.0000	.00000
Station 12.NumEntTrans	14.847	1.1500	.00000	35.000	18.000
Station 11.NumEntTrans	13.307	.74857	.00000	31.000	19.000
Station 10.NumEntTrans	14.423	1.0720	.00000	33.000	20.000
Station 7.NumEntTrans	.10250	(Insuf)	.00000	1.0000	.00000
Station 6.NumEntTrans	.11375	(Insuf)	.00000	2.0000	.00000
Station 5.NumEntTrans	.11121	(Insuf)	.00000	2.0000	1.0000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.8663	.32065	.00000	9.0000	2.0000
Station 2.NumEntTrans	2.3675	.21696	.00000	9.0000	2.0000
Station 1.NumEntTrans	2.0828	.23305	.00000	9.0000	1.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS

Identifier	Value
Process 1 Number In	1344.0
Process 1 Total Accum Time	22.314
Process 1 Accum VA Time	22.314
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1341.0
Entity 1.NumberIn	1508.0

Entity 1.NumberOut	1502.0
Human.NumberIn	4161.0
Human.NumberOut	4096.0
Station 12.AccumVATime	.00000
Station 12.AccumNVATime	.00000
Station 12.AccumWaitTime	.00000
Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	115.43
Station 11.TotalAccumTime	115.43
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	110.22
Station 10.TotalAccumTime	110.22
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	34.726
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	34.726
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000

Station 4.AccumVACost	.00000
Station 4.AccumNVACost	.00000
Station 4.AccumWaitCost	.00000
Station 4.AccumTranCost	.00000
Station 4.AccumOtherCost	.00000
Station 4.TotalAccumCost	.00000
Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	22.314
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	22.314
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5598.0

Beginning replication 2 of 7

ARENA Simulation Results
AbuBakarAtiq - License: STUDENT

Summary for Replication 2 of 7

Project: Unnamed Project
Analyst: AbuBakarAtiq

Run execution date : 1/22/2025
Model revision date: 1/22/2025

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1431
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1431
Process 1.VATimePerEntity	.01678	2.7211E-4	.00834	.02499	1431
Process 1.TotalTimePerEntity	.01678	2.7211E-4	.00834	.02499	1431
Entity 1.VATime	.00000	.00000	.00000	.00000	1473
Entity 1.NVATime	.00000	.00000	.00000	.00000	1473
Entity 1.WaitTime	.01741	.02052	.00000	6.3427	1473
Entity 1.TranTime	.12160	.00219	.00000	.41000	1473
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1473
Entity 1.TotalTime	.13900	.02158	.00000	6.5527	1473
Entity 1.VACost	.00000	.00000	.00000	.00000	1473
Entity 1.NVACost	.00000	.00000	.00000	.00000	1473
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1473
Entity 1.TranCost	.00000	.00000	.00000	.00000	1473
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1473
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1473
Human.VATime	.00564	2.6082E-4	.00000	.02499	4230
Human.NVATime	.00000	.00000	.00000	.00000	4230
Human.WaitTime	.00000	.00000	.00000	.00000	4230
Human.TranTime	.24771	7.3673E-4	.00000	.26000	4230
Human.OtherTime	.05594	.00262	.00000	.65127	4230
Human.TotalTime	.30930	.00256	.00000	.91344	4230
Human.VACost	.00000	.00000	.00000	.00000	4230
Human.NVACost	.00000	.00000	.00000	.00000	4230
Human.WaitCost	.00000	.00000	.00000	.00000	4230
Human.TranCost	.00000	.00000	.00000	.00000	4230
Human.OtherCost	.00000	.00000	.00000	.00000	4230
Human.TotalCost	.00000	.00000	.00000	.00000	4230
Hold 1.Queue.WaitingTime	3.6631	(Insuf)	.73672	6.3427	7
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	7

DISCRETE-CHANGE VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	8.5592	.48981	.00000	18.000	7.0000
Human.WIP	54.827	2.6142	.00000	92.000	51.000
Hold 1.Queue.NumberInQueue	1.0684	(Insuf)	.00000	3.0000	.00000
Station 12.NumEntTrans	15.010	.87388	.00000	34.000	14.000
Station 11.NumEntTrans	14.263	1.0298	.00000	32.000	8.0000
Station 10.NumEntTrans	14.679	.87799	.00000	30.000	22.000
Station 7.NumEntTrans	.15375	(Insuf)	.00000	2.0000	.00000
Station 6.NumEntTrans	.06125	(Insuf)	.00000	1.0000	.00000
Station 5.NumEntTrans	.10308	(Insuf)	.00000	1.0000	1.0000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.7779	.21050	.00000	10.000	3.0000
Station 2.NumEntTrans	2.4476	.19030	.00000	8.0000	1.0000
Station 1.NumEntTrans	1.9471	.14421	.00000	7.0000	2.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS

Identifier	Value
Process 1 Number In	1432.0
Process 1 Total Accum Time	24.005
Process 1 Accum VA Time	24.005
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1431.0
Entity 1.NumberIn	1480.0
Entity 1.NumberOut	1473.0

Human.NumberIn	4281.0
Human.NumberOut	4230.0
Station 12.AccumVATime	.00000
Station 12.AccumNVATime	.00000
Station 12.AccumWaitTime	.00000
Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	118.66
Station 11.TotalAccumTime	118.66
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	117.96
Station 10.TotalAccumTime	117.96
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	25.642
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	25.642
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000
Station 4.AccumVACost	.00000

Station 4.AccumNVACost	.00000
Station 4.AccumWaitCost	.00000
Station 4.AccumTranCost	.00000
Station 4.AccumOtherCost	.00000
Station 4.TotalAccumCost	.00000
Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	24.005
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	24.005
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5703.0

Beginning replication 3 of 7

Summary for Replication 3 of 7

Project: Unnamed Project
Analyst: AbuBakarAtiq

Run execution date : 1/22/2025
Model revision date: 1/22/2025

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1490
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1490
Process 1.VATimePerEntity	.01657	2.0257E-4	.00834	.02499	1490
Process 1.TotalTimePerEntity	.01657	2.0257E-4	.00834	.02499	1490
Entity 1.VATime	.00000	.00000	.00000	.00000	1497
Entity 1.NVATime	.00000	.00000	.00000	.00000	1497
Entity 1.WaitTime	.00982	.00994	.00000	3.5405	1497
Entity 1.TranTime	.12150	.00239	.00000	.41000	1497
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1497
Entity 1.TotalTime	.13132	.01185	.00000	3.7505	1497
Entity 1.VACost	.00000	.00000	.00000	.00000	1497
Entity 1.NVACost	.00000	.00000	.00000	.00000	1497
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1497
Entity 1.TranCost	.00000	.00000	.00000	.00000	1497
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1497
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1497
Human.VATime	.00575	1.9066E-4	.00000	.02499	4248
Human.NVATime	.00000	.00000	.00000	.00000	4248
Human.WaitTime	.00000	.00000	.00000	.00000	4248
Human.TranTime	.24770	6.3793E-4	.00000	.26000	4248
Human.OtherTime	.05461	.00299	.00000	.77083	4248
Human.TotalTime	.30805	.00294	.00000	1.0208	4248
Human.VACost	.00000	.00000	.00000	.00000	4248
Human.NVACost	.00000	.00000	.00000	.00000	4248
Human.WaitCost	.00000	.00000	.00000	.00000	4248
Human.TranCost	.00000	.00000	.00000	.00000	4248
Human.OtherCost	.00000	.00000	.00000	.00000	4248
Human.TotalCost	.00000	.00000	.00000	.00000	4248
Hold 1.Queue.WaitingTime	2.4488	(Insuf)	.70522	3.5405	6
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	6

DISCRETE-CHANGE VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	8.1986	.55527	.00000	20.000	4.0000
Human.WIP	54.836	2.6418	.00000	97.000	42.000
Hold 1.Queue.NumberInQueue	.61222	(Insuf)	.00000	2.0000	.00000
Station 12.NumEntTrans	14.885	.54970	.00000	27.000	6.0000
Station 11.NumEntTrans	14.854	.88351	.00000	33.000	9.0000
Station 10.NumEntTrans	14.382	1.0775	.00000	29.000	18.000
Station 7.NumEntTrans	.13667	(Insuf)	.00000	2.0000	.00000
Station 6.NumEntTrans	.05250	(Insuf)	.00000	1.0000	.00000
Station 5.NumEntTrans	.11625	(Insuf)	.00000	2.0000	.00000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.7877	.26060	.00000	9.0000	3.0000
Station 2.NumEntTrans	2.4450	.18574	.00000	7.0000	.00000
Station 1.NumEntTrans	2.0483	.20448	.00000	9.0000	1.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS

Identifier	Value
Process 1 Number In	1490.0
Process 1 Total Accum Time	24.683
Process 1 Accum VA Time	24.683
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1490.0
Entity 1.NumberIn	1501.0
Entity 1.NumberOut	1497.0
Human.NumberIn	4290.0

Human.NumberOut	4248.0
Station 12.AccumVATime	.00000
Station 12.AccumNVATime	.00000
Station 12.AccumWaitTime	.00000
Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	119.85
Station 11.TotalAccumTime	119.85
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	112.12
Station 10.TotalAccumTime	112.12
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	14.693
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	14.693
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000
Station 4.AccumVACost	.00000
Station 4.AccumNVACost	.00000

Station 4.AccumWaitCost	.00000
Station 4.AccumTranCost	.00000
Station 4.AccumOtherCost	.00000
Station 4.TotalAccumCost	.00000
Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	24.683
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	24.683
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5745.0

Beginning replication 4 of 7

Summary for Replication 4 of 7

Project: Unnamed Project
Analyst: AbuBakarAtiq

Run execution date : 1/22/2025
Model revision date: 1/22/2025

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1493
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1493
Process 1.VATimePerEntity	.01672	2.7064E-4	.00834	.02500	1493
Process 1.TotalTimePerEntity	.01672	2.7064E-4	.00834	.02500	1493
Entity 1.VATime	.00000	.00000	.00000	.00000	1403
Entity 1.NVATime	.00000	.00000	.00000	.00000	1403
Entity 1.WaitTime	.01676	.02001	.00000	5.5513	1403
Entity 1.TranTime	.12112	.00178	.00000	.41000	1403
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1403
Entity 1.TotalTime	.13788	.02115	.00000	5.7613	1403
Entity 1.VACost	.00000	.00000	.00000	.00000	1403
Entity 1.NVACost	.00000	.00000	.00000	.00000	1403
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1403
Entity 1.TranCost	.00000	.00000	.00000	.00000	1403
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1403
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1403
Human.VATime	.00558	2.0334E-4	.00000	.02500	4372
Human.NVATime	.00000	.00000	.00000	.00000	4372
Human.WaitTime	.00000	.00000	.00000	.00000	4372
Human.TranTime	.24738	9.8689E-4	.00000	.26000	4372
Human.OtherTime	.05448	.00257	.00000	.67780	4372
Human.TotalTime	.30744	.00263	.00000	.93183	4372
Human.VACost	.00000	.00000	.00000	.00000	4372
Human.NVACost	.00000	.00000	.00000	.00000	4372
Human.WaitCost	.00000	.00000	.00000	.00000	4372
Human.TranCost	.00000	.00000	.00000	.00000	4372
Human.OtherCost	.00000	.00000	.00000	.00000	4372
Human.TotalCost	.00000	.00000	.00000	.00000	4372
Hold 1.Queue.WaitingTime	2.6121	(Insuf)	.23780	5.5513	9
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	9

DISCRETE-CHANGE VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	8.0932	.52885	.00000	19.000	9.0000
Human.WIP	56.451	3.9388	.00000	107.00	62.000
Hold 1.Queue.NumberInQueue	.98772	(Insuf)	.00000	3.0000	1.0000
Station 12.NumEntTrans	15.944	1.4495	.00000	44.000	14.000
Station 11.NumEntTrans	14.810	1.1330	.00000	31.000	26.000
Station 10.NumEntTrans	14.713	1.0769	.00000	35.000	12.000
Station 7.NumEntTrans	.10250	(Insuf)	.00000	1.0000	.00000
Station 6.NumEntTrans	.08750	(Insuf)	.00000	1.0000	.00000
Station 5.NumEntTrans	.05167	(Insuf)	.00000	1.0000	.00000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.6289	(Corr)	.00000	10.000	4.0000
Station 2.NumEntTrans	2.3725	.23484	.00000	10.000	2.0000
Station 1.NumEntTrans	1.8623	.19993	.00000	7.0000	2.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS

Identifier	Value
Process 1 Number In	1493.0
Process 1 Total Accum Time	24.959
Process 1 Accum VA Time	24.959
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1493.0
Entity 1.NumberIn	1412.0
Entity 1.NumberOut	1403.0
Human.NumberIn	4434.0
Human.NumberOut	4372.0

Station 12.AccumVATime	.00000
Station 12.AccumNVATime	.00000
Station 12.AccumWaitTime	.00000
Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	121.09
Station 11.TotalAccumTime	121.09
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	117.08
Station 10.TotalAccumTime	117.08
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	23.508
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	23.508
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000
Station 4.AccumVACost	.00000
Station 4.AccumNVACost	.00000
Station 4.AccumWaitCost	.00000

Station 4.AccumTranCost	.00000
Station 4.AccumOtherCost	.00000
Station 4.TotalAccumCost	.00000
Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	24.959
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	24.959
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5775.0

Beginning replication 5 of 7

Summary for Replication 5 of 7

Project: Unnamed Project
Analyst: AbuBakarAtiq

Run execution date : 1/22/2025
Model revision date: 1/22/2025

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1392
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1392
Process 1.VATimePerEntity	.01676	2.4764E-4	.00834	.02498	1392
Process 1.TotalTimePerEntity	.01676	2.4764E-4	.00834	.02498	1392
Entity 1.VATime	.00000	.00000	.00000	.00000	1498
Entity 1.NVATime	.00000	.00000	.00000	.00000	1498
Entity 1.WaitTime	.01128	.02318	.00000	6.5546	1498
Entity 1.TranTime	.12189	.00191	.00000	.41000	1498
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1498
Entity 1.TotalTime	.13317	.02427	.00000	6.7646	1498
Entity 1.VACost	.00000	.00000	.00000	.00000	1498
Entity 1.NVACost	.00000	.00000	.00000	.00000	1498
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1498
Entity 1.TranCost	.00000	.00000	.00000	.00000	1498
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1498
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1498
Human.VATime	.00548	2.2736E-4	.00000	.02498	4198
Human.NVATime	.00000	.00000	.00000	.00000	4198
Human.WaitTime	.00000	.00000	.00000	.00000	4198
Human.TranTime	.24776	7.6592E-4	.00000	.26000	4198
Human.OtherTime	.05203	.00273	.00000	.69091	4198
Human.TotalTime	.30528	.00289	.00000	.94386	4198
Human.VACost	.00000	.00000	.00000	.00000	4198
Human.NVACost	.00000	.00000	.00000	.00000	4198
Human.WaitCost	.00000	.00000	.00000	.00000	4198
Human.TranCost	.00000	.00000	.00000	.00000	4198
Human.OtherCost	.00000	.00000	.00000	.00000	4198
Human.TotalCost	.00000	.00000	.00000	.00000	4198
Hold 1.Queue.WaitingTime	2.4139	(Insuf)	.00561	6.5546	7
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	7

DISCRETE-CHANGE VARIABLES

Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	8.3267	.64422	.00000	19.000	5.0000
Human.WIP	53.735	2.7708	.00000	91.000	44.000
Hold 1.Queue.NumberInQueue	.70406	(Insuf)	.00000	5.0000	.00000
Station 12.NumEntTrans	15.619	.71949	.00000	33.000	14.000
Station 11.NumEntTrans	13.866	.92435	.00000	35.000	13.000
Station 10.NumEntTrans	14.138	1.2133	.00000	32.000	7.0000
Station 7.NumEntTrans	.15842	(Insuf)	.00000	2.0000	1.0000
Station 6.NumEntTrans	.06125	(Insuf)	.00000	1.0000	.00000
Station 5.NumEntTrans	.11625	(Insuf)	.00000	2.0000	.00000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.7910	.27866	.00000	10.000	1.0000
Station 2.NumEntTrans	2.3600	.21815	.00000	8.0000	2.0000
Station 1.NumEntTrans	2.1356	.19716	.00000	8.0000	1.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS

Identifier	Value
Process 1 Number In	1393.0
Process 1 Total Accum Time	23.325
Process 1 Accum VA Time	23.325
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1392.0
Entity 1.NumberIn	1503.0
Entity 1.NumberOut	1498.0
Human.NumberIn	4242.0
Human.NumberOut	4198.0
Station 12.AccumVATime	.00000

Station 12.AccumNVATime	.00000
Station 12.AccumWaitTime	.00000
Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	108.51
Station 11.TotalAccumTime	108.51
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	109.92
Station 10.TotalAccumTime	109.92
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	16.897
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	16.897
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000
Station 4.AccumVACost	.00000
Station 4.AccumNVACost	.00000
Station 4.AccumWaitCost	.00000
Station 4.AccumTranCost	.00000

Station 4.AccumOtherCost	.00000
Station 4.TotalAccumCost	.00000
Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	23.325
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	23.325
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5696.0

Beginning replication 6 of 7

ARENA Simulation Results
AbuBakarAtiq - License: STUDENT

Summary for Replication 6 of 7

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES					
Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1330
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1330
Process 1.VATimePerEntity	.01668	2.5373E-4	.00835	.02498	1330
Process 1.TotalTimePerEntity	.01668	2.5373E-4	.00835	.02498	1330
Entity 1.VATime	.00000	.00000	.00000	.00000	1521
Entity 1.NVATime	.00000	.00000	.00000	.00000	1521
Entity 1.WaitTime	.01454	.02477	.00000	7.7538	1521
Entity 1.TranTime	.12095	.00153	.00000	.41000	1521
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1521
Entity 1.TotalTime	.13548	.02543	.00000	7.9638	1521
Entity 1.VACost	.00000	.00000	.00000	.00000	1521
Entity 1.NVACost	.00000	.00000	.00000	.00000	1521
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1521
Entity 1.TranCost	.00000	.00000	.00000	.00000	1521
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1521
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1521
Human.VATime	.00540	2.9545E-4	.00000	.02498	4062
Human.NVATime	.00000	.00000	.00000	.00000	4062
Human.WaitTime	.00000	.00000	.00000	.00000	4062
Human.TranTime	.24785	7.5573E-4	.00000	.26000	4062
Human.OtherTime	.05307	.00260	.00000	.80542	4062
Human.TotalTime	.30631	.00271	.00000	1.0554	4062
Human.VACost	.00000	.00000	.00000	.00000	4062
Human.NVACost	.00000	.00000	.00000	.00000	4062
Human.WaitCost	.00000	.00000	.00000	.00000	4062
Human.TranCost	.00000	.00000	.00000	.00000	4062
Human.OtherCost	.00000	.00000	.00000	.00000	4062
Human.TotalCost	.00000	.00000	.00000	.00000	4062
Hold 1.Queue.WaitingTime	3.1587	(Insuf)	1.2308	7.7538	7
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	7

DISCRETE-CHANGE VARIABLES					
Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	8.6631	(Corr)	.00000	19.000	11.000
Human.WIP	52.164	2.9427	.00000	94.000	45.000
Hold 1.Queue.NumberInQueue	.96079	(Insuf)	.00000	4.0000	1.0000
Station 12.NumEntTrans	14.590	.94837	.00000	32.000	12.000
Station 11.NumEntTrans	13.253	1.0294	.00000	28.000	13.000
Station 10.NumEntTrans	14.389	.90174	.00000	32.000	11.000
Station 7.NumEntTrans	.06833	(Insuf)	.00000	1.0000	.00000
Station 6.NumEntTrans	.07000	(Insuf)	.00000	2.0000	.00000
Station 5.NumEntTrans	.09042	(Insuf)	.00000	2.0000	.00000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.7943	.19710	.00000	8.0000	4.0000
Station 2.NumEntTrans	2.6072	.24059	.00000	10.000	2.0000
Station 1.NumEntTrans	2.0720	.22062	.00000	9.0000	4.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS	
Identifier	Value
Process 1 Number In	1332.0
Process 1 Total Accum Time	22.180
Process 1 Accum VA Time	22.180
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1330.0
Entity 1.NumberIn	1532.0
Entity 1.NumberOut	1521.0
Human.NumberIn	4107.0
Human.NumberOut	4062.0
Station 12.AccumVATime	.00000
Station 12.AccumNVATime	.00000

Station 12.AccumWaitTime	.00000
Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	103.17
Station 11.TotalAccumTime	103.17
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	112.39
Station 10.TotalAccumTime	112.39
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	22.111
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	22.111
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000
Station 4.AccumVACost	.00000
Station 4.AccumNVACost	.00000
Station 4.AccumWaitCost	.00000
Station 4.AccumTranCost	.00000
Station 4.AccumOtherCost	.00000

Station 4.TotalAccumCost	.00000
Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	22.180
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	22.180
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5583.0

Beginning replication 7 of 7

ARENA Simulation Results
AbuBakarAtiq - License: STUDENT

Summary for Replication 7 of 7

Replication ended at time : 24.0 Hours
Base Time Units: Hours

TALLY VARIABLES					
Identifier	Average	Half Width	Minimum	Maximum	Observations
Process 1.TotalCostPerEntity	.00000	.00000	.00000	.00000	1392
Process 1.VACostPerEntity	.00000	.00000	.00000	.00000	1392
Process 1.VATimePerEntity	.01672	3.3294E-4	.00834	.02499	1392
Process 1.TotalTimePerEntity	.01672	3.3294E-4	.00834	.02499	1392
Entity 1.VATime	.00000	.00000	.00000	.00000	1443
Entity 1.NVATime	.00000	.00000	.00000	.00000	1443
Entity 1.WaitTime	.00712	.00666	.00000	2.2794	1443
Entity 1.TranTime	.12151	(Corr)	.00000	.41000	1443
Entity 1.OtherTime	.00000	.00000	.00000	.00000	1443
Entity 1.TotalTime	.12863	.00797	.00000	2.4894	1443
Entity 1.VACost	.00000	.00000	.00000	.00000	1443
Entity 1.NVACost	.00000	.00000	.00000	.00000	1443
Entity 1.WaitCost	.00000	.00000	.00000	.00000	1443
Entity 1.TranCost	.00000	.00000	.00000	.00000	1443
Entity 1.OtherCost	.00000	.00000	.00000	.00000	1443
Entity 1.TotalCost	.00000	.00000	.00000	.00000	1443
Human.VATime	.00549	2.6729E-4	.00000	.02499	4180
Human.NVATime	.00000	.00000	.00000	.00000	4180
Human.WaitTime	.00000	.00000	.00000	.00000	4180
Human.TranTime	.24739	8.6749E-4	.00000	.26000	4180
Human.OtherTime	.05538	.00272	.00000	.76273	4180
Human.TotalTime	.30827	.00276	.00000	1.0127	4180
Human.VACost	.00000	.00000	.00000	.00000	4180
Human.NVACost	.00000	.00000	.00000	.00000	4180
Human.WaitCost	.00000	.00000	.00000	.00000	4180
Human.TranCost	.00000	.00000	.00000	.00000	4180
Human.OtherCost	.00000	.00000	.00000	.00000	4180
Human.TotalCost	.00000	.00000	.00000	.00000	4180
Hold 1.Queue.WaitingTime	.93427	(Insuf)	.28571	2.2794	11
Hold 1.Queue.WaitingCost	.00000	(Insuf)	.00000	.00000	11

DISCRETE-CHANGE VARIABLES					
Identifier	Average	Half Width	Minimum	Maximum	Final Value
Entity 1.WIP	7.7761	.53336	.00000	19.000	10.000
Human.WIP	54.037	2.3587	.00000	92.000	56.000
Hold 1.Queue.NumberInQueue	.43367	(Insuf)	.00000	4.0000	1.0000
Station 12.NumEntTrans	14.741	.98240	.00000	39.000	16.000
Station 11.NumEntTrans	13.839	.79091	.00000	31.000	13.000
Station 10.NumEntTrans	14.808	.90932	.00000	32.000	16.000
Station 7.NumEntTrans	.05125	(Insuf)	.00000	1.0000	.00000
Station 6.NumEntTrans	.10500	(Insuf)	.00000	2.0000	.00000
Station 5.NumEntTrans	.15500	(Insuf)	.00000	1.0000	.00000
Station 4.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 3.NumEntTrans	2.8144	.24801	.00000	10.000	4.0000
Station 2.NumEntTrans	2.3294	.23481	.00000	9.0000	3.0000
Station 1.NumEntTrans	1.8873	.15795	.00000	8.0000	2.0000
Station 9.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000
Station 8.NumEntTrans	.00000	(Insuf)	.00000	.00000	.00000

OUTPUTS	
Identifier	Value
Process 1 Number In	1392.0
Process 1 Total Accum Time	23.270
Process 1 Accum VA Time	23.270
Process 1 Accum VA Cost	.00000
Process 1 Total Accum Cost	.00000
Process 1 Number Out	1392.0
Entity 1.NumberIn	1453.0
Entity 1.NumberOut	1443.0
Human.NumberIn	4236.0
Human.NumberOut	4180.0
Station 12.AccumVATime	.00000
Station 12.AccumNVATime	.00000
Station 12.AccumWaitTime	.00000

Station 12.AccumTranTime	.00000
Station 12.AccumOtherTime	.00000
Station 12.TotalAccumTime	.00000
Station 12.AccumVACost	.00000
Station 12.AccumNVACost	.00000
Station 12.AccumWaitCost	.00000
Station 12.AccumTranCost	.00000
Station 12.AccumOtherCost	.00000
Station 12.TotalAccumCost	.00000
Station 11.AccumVATime	.00000
Station 11.AccumNVATime	.00000
Station 11.AccumWaitTime	.00000
Station 11.AccumTranTime	.00000
Station 11.AccumOtherTime	110.68
Station 11.TotalAccumTime	110.68
Station 11.AccumVACost	.00000
Station 11.AccumNVACost	.00000
Station 11.AccumWaitCost	.00000
Station 11.AccumTranCost	.00000
Station 11.AccumOtherCost	.00000
Station 11.TotalAccumCost	.00000
Station 10.AccumVATime	.00000
Station 10.AccumNVATime	.00000
Station 10.AccumWaitTime	.00000
Station 10.AccumTranTime	.00000
Station 10.AccumOtherTime	120.81
Station 10.TotalAccumTime	120.81
Station 10.AccumVACost	.00000
Station 10.AccumNVACost	.00000
Station 10.AccumWaitCost	.00000
Station 10.AccumTranCost	.00000
Station 10.AccumOtherCost	.00000
Station 10.TotalAccumCost	.00000
Station 7.AccumVATime	.00000
Station 7.AccumNVATime	.00000
Station 7.AccumWaitTime	.00000
Station 7.AccumTranTime	.00000
Station 7.AccumOtherTime	.00000
Station 7.TotalAccumTime	.00000
Station 7.AccumVACost	.00000
Station 7.AccumNVACost	.00000
Station 7.AccumWaitCost	.00000
Station 7.AccumTranCost	.00000
Station 7.AccumOtherCost	.00000
Station 7.TotalAccumCost	.00000
Station 6.AccumVATime	.00000
Station 6.AccumNVATime	.00000
Station 6.AccumWaitTime	10.276
Station 6.AccumTranTime	.00000
Station 6.AccumOtherTime	.00000
Station 6.TotalAccumTime	10.276
Station 6.AccumVACost	.00000
Station 6.AccumNVACost	.00000
Station 6.AccumWaitCost	.00000
Station 6.AccumTranCost	.00000
Station 6.AccumOtherCost	.00000
Station 6.TotalAccumCost	.00000
Station 5.AccumVATime	.00000
Station 5.AccumNVATime	.00000
Station 5.AccumWaitTime	.00000
Station 5.AccumTranTime	.00000
Station 5.AccumOtherTime	.00000
Station 5.TotalAccumTime	.00000
Station 5.AccumVACost	.00000
Station 5.AccumNVACost	.00000
Station 5.AccumWaitCost	.00000
Station 5.AccumTranCost	.00000
Station 5.AccumOtherCost	.00000
Station 5.TotalAccumCost	.00000
Station 4.AccumVATime	.00000
Station 4.AccumNVATime	.00000
Station 4.AccumWaitTime	.00000
Station 4.AccumTranTime	.00000
Station 4.AccumOtherTime	.00000
Station 4.TotalAccumTime	.00000
Station 4.AccumVACost	.00000
Station 4.AccumNVACost	.00000
Station 4.AccumWaitCost	.00000
Station 4.AccumTranCost	.00000
Station 4.AccumOtherCost	.00000
Station 4.TotalAccumCost	.00000

Station 3.AccumVATime	.00000
Station 3.AccumNVATime	.00000
Station 3.AccumWaitTime	.00000
Station 3.AccumTranTime	.00000
Station 3.AccumOtherTime	.00000
Station 3.TotalAccumTime	.00000
Station 3.AccumVACost	.00000
Station 3.AccumNVACost	.00000
Station 3.AccumWaitCost	.00000
Station 3.AccumTranCost	.00000
Station 3.AccumOtherCost	.00000
Station 3.TotalAccumCost	.00000
Station 2.AccumVATime	.00000
Station 2.AccumNVATime	.00000
Station 2.AccumWaitTime	.00000
Station 2.AccumTranTime	.00000
Station 2.AccumOtherTime	.00000
Station 2.TotalAccumTime	.00000
Station 2.AccumVACost	.00000
Station 2.AccumNVACost	.00000
Station 2.AccumWaitCost	.00000
Station 2.AccumTranCost	.00000
Station 2.AccumOtherCost	.00000
Station 2.TotalAccumCost	.00000
Station 1.AccumVATime	.00000
Station 1.AccumNVATime	.00000
Station 1.AccumWaitTime	.00000
Station 1.AccumTranTime	.00000
Station 1.AccumOtherTime	.00000
Station 1.TotalAccumTime	.00000
Station 1.AccumVACost	.00000
Station 1.AccumNVACost	.00000
Station 1.AccumWaitCost	.00000
Station 1.AccumTranCost	.00000
Station 1.AccumOtherCost	.00000
Station 1.TotalAccumCost	.00000
Station 9.AccumVATime	23.270
Station 9.AccumNVATime	.00000
Station 9.AccumWaitTime	.00000
Station 9.AccumTranTime	.00000
Station 9.AccumOtherTime	.00000
Station 9.TotalAccumTime	23.270
Station 9.AccumVACost	.00000
Station 9.AccumNVACost	.00000
Station 9.AccumWaitCost	.00000
Station 9.AccumTranCost	.00000
Station 9.AccumOtherCost	.00000
Station 9.TotalAccumCost	.00000
Station 8.AccumVATime	.00000
Station 8.AccumNVATime	.00000
Station 8.AccumWaitTime	.00000
Station 8.AccumTranTime	.00000
Station 8.AccumOtherTime	.00000
Station 8.TotalAccumTime	.00000
Station 8.AccumVACost	.00000
Station 8.AccumNVACost	.00000
Station 8.AccumWaitCost	.00000
Station 8.AccumTranCost	.00000
Station 8.AccumOtherCost	.00000
Station 8.TotalAccumCost	.00000
All Entities.VACost	.00000
All Entities.NVACost	.00000
All Entities.WaitCost	.00000
All Entities.TranCost	.00000
All Entities.OtherCost	.00000
All Entities.TotalCost	.00000
All Resources.BusyCost	.00000
All Resources.IdleCost	.00000
All Resources.UsageCost	.00000
All Resources.TotalCost	.00000
System.TotalCost	.00000
System.NumberOut	5623.0

ARENA Simulation Results
AbuBakarAtiq - License: STUDENT

Output Summary for 7 Replications

Project: Unnamed Project
Analyst: AbuBakarAtiq

Run execution date : 1/22/2025
Model revision date: 1/22/2025

OUTPUTS

Identifier	Average	Half-width	Minimum	Maximum	# Replications
Process 1 Number In	1410.8	59.486	1332.0	1493.0	7
Process 1 Total Accum Time	23.534	.99963	22.180	24.959	7
Process 1 Accum VA Time	23.534	.99963	22.180	24.959	7
Process 1 Accum VA Cost	.00000	.00000	.00000	.00000	7
Process 1 Total Accum Cost	.00000	.00000	.00000	.00000	7
Process 1 Number Out	1409.8	60.340	1330.0	1493.0	7
Entity 1.NumberIn	1484.1	37.169	1412.0	1532.0	7
Entity 1.NumberOut	1476.7	37.851	1403.0	1521.0	7
Human.NumberIn	4250.1	96.299	4107.0	4434.0	7
Human.NumberOut	4198.0	94.789	4062.0	4372.0	7
Station 12.AccumVATime	.00000	.00000	.00000	.00000	7
Station 12.AccumNVATime	.00000	.00000	.00000	.00000	7
Station 12.AccumWaitTime	.00000	.00000	.00000	.00000	7
Station 12.AccumTranTime	.00000	.00000	.00000	.00000	7
Station 12.AccumOtherTime	.00000	.00000	.00000	.00000	7
Station 12.TotalAccumTime	.00000	.00000	.00000	.00000	7
Station 12.AccumVACost	.00000	.00000	.00000	.00000	7
Station 12.AccumNVACost	.00000	.00000	.00000	.00000	7
Station 12.AccumWaitCost	.00000	.00000	.00000	.00000	7
Station 12.AccumTranCost	.00000	.00000	.00000	.00000	7
Station 12.AccumOtherCost	.00000	.00000	.00000	.00000	7
Station 12.TotalAccumCost	.00000	.00000	.00000	.00000	7
Station 11.AccumVATime	.00000	.00000	.00000	.00000	7
Station 11.AccumNVATime	.00000	.00000	.00000	.00000	7
Station 11.AccumWaitTime	.00000	.00000	.00000	.00000	7
Station 11.AccumTranTime	.00000	.00000	.00000	.00000	7
Station 11.AccumOtherTime	113.91	6.1677	103.17	121.09	7
Station 11.TotalAccumTime	113.91	6.1677	103.17	121.09	7
Station 11.AccumVACost	.00000	.00000	.00000	.00000	7
Station 11.AccumNVACost	.00000	.00000	.00000	.00000	7
Station 11.AccumWaitCost	.00000	.00000	.00000	.00000	7
Station 11.AccumTranCost	.00000	.00000	.00000	.00000	7
Station 11.AccumOtherCost	.00000	.00000	.00000	.00000	7
Station 11.TotalAccumCost	.00000	.00000	.00000	.00000	7
Station 10.AccumVATime	.00000	.00000	.00000	.00000	7
Station 10.AccumNVATime	.00000	.00000	.00000	.00000	7
Station 10.AccumWaitTime	.00000	.00000	.00000	.00000	7
Station 10.AccumTranTime	.00000	.00000	.00000	.00000	7
Station 10.AccumOtherTime	114.36	3.9182	109.92	120.81	7
Station 10.TotalAccumTime	114.36	3.9182	109.92	120.81	7
Station 10.AccumVACost	.00000	.00000	.00000	.00000	7
Station 10.AccumNVACost	.00000	.00000	.00000	.00000	7
Station 10.AccumWaitCost	.00000	.00000	.00000	.00000	7
Station 10.AccumTranCost	.00000	.00000	.00000	.00000	7
Station 10.AccumOtherCost	.00000	.00000	.00000	.00000	7
Station 10.TotalAccumCost	.00000	.00000	.00000	.00000	7
Station 7.AccumVATime	.00000	.00000	.00000	.00000	7
Station 7.AccumNVATime	.00000	.00000	.00000	.00000	7
Station 7.AccumWaitTime	.00000	.00000	.00000	.00000	7
Station 7.AccumTranTime	.00000	.00000	.00000	.00000	7
Station 7.AccumOtherTime	.00000	.00000	.00000	.00000	7
Station 7.TotalAccumTime	.00000	.00000	.00000	.00000	7
Station 7.AccumVACost	.00000	.00000	.00000	.00000	7
Station 7.AccumNVACost	.00000	.00000	.00000	.00000	7
Station 7.AccumWaitCost	.00000	.00000	.00000	.00000	7
Station 7.AccumTranCost	.00000	.00000	.00000	.00000	7
Station 7.AccumOtherCost	.00000	.00000	.00000	.00000	7
Station 7.TotalAccumCost	.00000	.00000	.00000	.00000	7
Station 6.AccumVATime	.00000	.00000	.00000	.00000	7
Station 6.AccumNVATime	.00000	.00000	.00000	.00000	7
Station 6.AccumWaitTime	21.122	7.4468	10.276	34.726	7
Station 6.AccumTranTime	.00000	.00000	.00000	.00000	7
Station 6.AccumOtherTime	.00000	.00000	.00000	.00000	7
Station 6.TotalAccumTime	21.122	7.4468	10.276	34.726	7
Station 6.AccumVACost	.00000	.00000	.00000	.00000	7
Station 6.AccumNVACost	.00000	.00000	.00000	.00000	7
Station 6.AccumWaitCost	.00000	.00000	.00000	.00000	7
Station 6.AccumTranCost	.00000	.00000	.00000	.00000	7
Station 6.AccumOtherCost	.00000	.00000	.00000	.00000	7
Station 6.TotalAccumCost	.00000	.00000	.00000	.00000	7
Station 5.AccumVATime	.00000	.00000	.00000	.00000	7
Station 5.AccumNVATime	.00000	.00000	.00000	.00000	7
Station 5.AccumWaitTime	.00000	.00000	.00000	.00000	7
Station 5.AccumTranTime	.00000	.00000	.00000	.00000	7

[illegible]

All Entities.NVACost	.00000	.00000	.00000	.00000	7
All Entities.WaitCost	.00000	.00000	.00000	.00000	7
All Entities.TranCost	.00000	.00000	.00000	.00000	7
All Entities.OtherCost	.00000	.00000	.00000	.00000	7
All Entities.TotalCost	.00000	.00000	.00000	.00000	7
All Resources.BusyCost	.00000	.00000	.00000	.00000	7
All Resources.IdleCost	.00000	.00000	.00000	.00000	7
All Resources.UsageCost	.00000	.00000	.00000	.00000	7
All Resources.TotalCost	.00000	.00000	.00000	.00000	7
System.TotalCost	.00000	.00000	.00000	.00000	7
System.NumberOut	5674.7	68.820	5583.0	5775.0	7

Simulation run time: 1.82 minutes.
Simulation run complete.