

OPERATING SYSTEM SIMULATION

*** Clock: 314, Job 1 terminated normally (terminate svc issued)
Response Time: 314 CPU time: 21 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 4621, Job 2 terminated normally (terminate svc issued)
Dilation: 1.01 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 6265, Job 3 terminated abnormally (max cpu time exceeded)
Response Time: 365 CPU time: 20 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 7611, Job 7 terminated normally (terminate svc issued)
Response Time: 252 CPU time: 90 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 7816, Job 5 terminated normally (terminate svc issued)
Response Time: 486 CPU time: 11 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 11025, Job 8 terminated normally (terminate svc issued)
Response Time: 816 CPU time: 9 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 13937, Job 4 terminated abnormally (max cpu time exceeded)
Dilation: 1.90 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 17401, Job 10 terminated normally (terminate svc issued)
Response Time: 452 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 21041, Job 9 terminated normally (terminate svc issued)
Response Time: 8092 CPU time: 100 # I/O operations completed: 16
I/O operations pending: 1

*** Clock: 22651, Job 11 terminated abnormally (max cpu time exceeded)
Response Time: 2902 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 27466, Job 14 terminated normally (terminate svc issued)

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Response Time: 417 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 28590, Job 13 terminated normally (terminate svc issued)
Dilation: 2.26 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 29193, Job 16 terminated normally (terminate svc issued)
Response Time: 2104 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 32599, Job 17 terminated normally (terminate svc issued)
Dilation: 4.58 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 33019, Job 19 terminated normally (terminate svc issued)
Response Time: 321 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 35619, Job 15 terminated normally (terminate svc issued)
Dilation: 2.85 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 39799, Job 21 terminated normally (terminate svc issued)
Dilation: 2.01 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 43899, Job 22 terminated normally (terminate svc issued)
Dilation: 2.00 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 45712, Job 18 terminated normally (terminate svc issued)
Response Time: 15754 CPU time: 13 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 47592, Job 27 terminated normally (terminate svc issued)
Response Time: 735 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 53031, Job 29 terminated abnormally (max cpu time exceeded)
Response Time: 584 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

* * * SYSTEM STATUS AT 60079 * * *

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CPU: job #12 running
 Disk: idle
 Drum: idle
 Memory: 81 K words in use
 Average dilation: 2.37
 Average Response time: 2399.57

CORE MAP

Partition Job		Partition Job		Partition Job		Partition Job	
0	0	25	6	50	6	75	12
1	0	26	6	51	6	76	30
2	0	27	6	52	6	77	30
3	0	28	6	53	6	78	30
4	0	29	6	54	6	79	30
5	0	30	6	55	6	80	30
6	0	31	6	56	6	81	30
7	0	32	6	57	12	82	30
8	0	33	6	58	12	83	30
9	0	34	6	59	12	84	30
10	6	35	6	60	12	85	30
11	6	36	6	61	12	86	30
12	6	37	6	62	12	87	30
13	6	38	6	63	12	88	30
14	6	39	6	64	12	89	30
15	6	40	6	65	12	90	30
16	6	41	6	66	12	91	0
17	6	42	6	67	12	92	0
18	6	43	6	68	12	93	0
19	6	44	6	69	12	94	0
20	6	45	6	70	12	95	0
21	6	46	6	71	12	96	0
22	6	47	6	72	12	97	0
23	6	48	6	73	12	98	0
24	6	49	6	74	12	99	0

JOBTABLE

Job#	Size	Time	CPU	Max	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	78	550	0	1	no	no	yes	no
6	47	7340	40400	65000	0	5	no	no	yes	no
20	17	36698	54	131	1	1	yes	no	no	no
23	11	45398	6	32	1	2	yes	no	no	no
25	17	46828	12	5300	1	2	yes	no	no	no
26	21	46838	6	62	1	1	yes	no	no	no
28	5	49707	24	7100	1	1	yes	no	no	no
30	15	56447	1800	14000	0	1	no	no	yes	no

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31	18	59247	0	23	0	2	no	no	no	no
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Total jobs: 31 terminated: 21

% utilization CPU: 91.22 disk: 19.10 drum: 53.60 memory: 48.54

*** Clock: 64751, Job 30 terminated normally (terminate svc issued)
Dilation: 2.08 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 65160, Job 31 terminated normally (terminate svc issued)
Response Time: 5913 CPU time: 21 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 66780, Job 33 terminated abnormally (max cpu time exceeded)
Response Time: 1633 CPU time: 20 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 69016, Job 32 terminated normally (terminate svc issued)
Dilation: 3.58 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 69233, Job 35 terminated normally (terminate svc issued)
Response Time: 2656 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 72363, Job 39 terminated normally (terminate svc issued)
Response Time: 167 CPU time: 100 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 74163, Job 6 terminated normally (terminate svc issued)
Dilation: 1.34 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 76590, Job 40 terminated normally (terminate svc issued)
Response Time: 394 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 79400, Job 41 terminated abnormally (max cpu time exceeded)
Response Time: 404 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

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*** Clock: 82700, Job 42 terminated normally (terminate svc issued)
Dilation: 2.21 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 86715, Job 44 terminated normally (terminate svc issued)
Response Time: 419 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 87645, Job 43 terminated normally (terminate svc issued)
Dilation: 2.11 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 89688, Job 48 terminated normally (terminate svc issued)
Response Time: 483 CPU time: 13 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 92708, Job 49 terminated normally (terminate svc issued)
Response Time: 763 CPU time: 20 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 96238, Job 50 terminated normally (terminate svc issued)
Dilation: 2.25 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 99066, Job 51 terminated normally (terminate svc issued)
Dilation: 2.14 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 99688, Job 20 terminated normally (terminate svc issued)
Dilation: 30.53 CPU time: 130 # I/O operations completed: 21
I/O operations pending: 1

*** Clock: 103188, Job 52 terminated normally (terminate svc issued)
Dilation: 2.05 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 106224, Job 54 terminated abnormally (max cpu time exceeded)
Response Time: 179 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 107644, Job 53 terminated abnormally (max cpu time exceeded)
Response Time: 2999 CPU time: 32 # I/O operations completed: 5
I/O operations pending: 0

*** Clock: 108104, Job 56 terminated normally (terminate svc issued)
Response Time: 2019 CPU time: 60 # I/O operations completed: 0

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I/O operations pending: 0

*** Clock: 109518, Job 57 terminated normally (terminate svc issued)
Response Time: 3414 CPU time: 14 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 112133, Job 59 terminated abnormally (max cpu time exceeded)
Response Time: 439 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 112233, Job 55 terminated normally (terminate svc issued)
Dilation: 2.46 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 116239, Job 58 terminated normally (terminate svc issued)
Dilation: 2.43 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

* * * SYSTEM STATUS AT 120101 * * *
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CPU: job #36 running
Disk: idle
Drum: swapping job 24 in since 120101
Memory: 47 K words in use
Average dilation: 3.88
Average Response time: 1981.29

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	36	25	36	50	0	75	0
1	36	26	36	51	0	76	0
2	36	27	36	52	0	77	0
3	36	28	36	53	0	78	0
4	36	29	36	54	0	79	0
5	36	30	36	55	0	80	0
6	36	31	36	56	0	81	0
7	36	32	36	57	0	82	0
8	36	33	36	58	0	83	0
9	36	34	36	59	0	84	0
10	36	35	36	60	0	85	0
11	36	36	36	61	0	86	0
12	36	37	36	62	0	87	0
13	36	38	36	63	0	88	0
14	36	39	36	64	0	89	0
15	36	40	36	65	0	90	0
16	36	41	36	66	0	91	0

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17	36	42	36	67	0	92	0
18	36	43	36	68	0	93	0
19	36	44	36	69	0	94	0
20	36	45	36	70	0	95	0
21	36	46	36	71	0	96	0
22	36	47	0	72	0	97	0
23	36	48	0	73	0	98	0
24	36	49	0	74	0	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					

24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
23	11	45398	6	32	1	2	yes	no	no	no
25	17	46828	18	5300	1	2	yes	no	no	no
26	21	46838	30	62	1	1	yes	no	no	no
28	5	49707	24	7100	1	1	yes	no	no	no
38	10	69456	6	10	1	1	yes	no	no	no
34	10	66547	54	3500	1	1	yes	no	no	no
45	15	86326	18	40000	1	2	yes	no	no	no
36	47	66587	37032	65000	0	5	no	no	yes	no
37	27	66606	12	100	1	1	yes	no	no	no
46	6	86336	6	19	1	1	yes	no	no	no
47	10	86355	42	1300	1	2	yes	no	no	no

Total jobs: 61 terminated: 46

% utilization CPU: 95.59 disk: 20.22 drum: 52.20 memory: 57.38

*** Clock: 124689, Job 63 terminated abnormally (max cpu time exceeded)

Response Time: 295 CPU time: 20 # I/O operations completed: 0

I/O operations pending: 0

*** Clock: 125289, Job 62 terminated normally (terminate svc issued)

Dilation: 2.10 CPU time: 2000 # I/O operations completed: 2

I/O operations pending: 0

*** Clock: 129498, Job 68 terminated normally (terminate svc issued)

Response Time: 795 CPU time: 9 # I/O operations completed: 1

I/O operations pending: 0

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*** Clock: 132816, Job 64 terminated abnormally (max cpu time exceeded)
Dilation: 2.01 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 133033, Job 65 terminated normally (terminate svc issued)
Response Time: 7209 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 135491, Job 70 terminated normally (terminate svc issued)
Response Time: 48 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 138301, Job 71 terminated abnormally (max cpu time exceeded)
Response Time: 58 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 138701, Job 36 terminated normally (terminate svc issued)
Dilation: 1.44 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 141384, Job 72 terminated normally (terminate svc issued)
Dilation: 1.08 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 145495, Job 73 terminated normally (terminate svc issued)
Dilation: 1.04 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 145591, Job 74 terminated normally (terminate svc issued)
Response Time: 48 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 145810, Job 76 terminated normally (terminate svc issued)
Response Time: 227 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 148246, Job 77 terminated normally (terminate svc issued)
Dilation: 2.20 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 148671, Job 78 terminated normally (terminate svc issued)
Response Time: 219 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 149871, Job 75 terminated normally (terminate svc issued)

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Dilation: 1.43 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 151234, Job 79 terminated normally (terminate svc issued)
Response Time: 42 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 155344, Job 80 terminated normally (terminate svc issued)
Dilation: 1.17 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 155485, Job 46 terminated normally (terminate svc issued)
Response Time: 69149 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 158170, Job 81 terminated normally (terminate svc issued)
Dilation: 1.19 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 161557, Job 82 terminated normally (terminate svc issued)
Dilation: 1.07 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 163954, Job 83 terminated abnormally (max cpu time exceeded)
Response Time: 62 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 164396, Job 23 terminated abnormally (max cpu time exceeded)
Response Time: 118998 CPU time: 32 # I/O operations completed: 5
I/O operations pending: 0

*** Clock: 167413, Job 86 terminated normally (terminate svc issued)
Response Time: 2081 CPU time: 60 # I/O operations completed: 9
I/O operations pending: 1

*** Clock: 167913, Job 85 terminated normally (terminate svc issued)
Dilation: 1.04 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 169259, Job 26 terminated normally (terminate svc issued)
Response Time: 122421 CPU time: 60 # I/O operations completed: 9
I/O operations pending: 1

*** Clock: 171271, Job 88 terminated normally (terminate svc issued)
Dilation: 1.02 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

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*** Clock: 171336, Job 89 terminated abnormally (max cpu time exceeded)
Response Time: 395 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 177882, Job 91 terminated normally (terminate svc issued)
Response Time: 141 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 179106, Job 90 terminated normally (terminate svc issued)
Dilation: 1.04 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

* * * SYSTEM STATUS AT 180106 * * *

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CPU: idle
Disk: idle
Drum: swapping job 87 in since 180106
Memory: 0 K words in use
Average dilation: 2.83
Average Response time: 8583.27

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	0	25	0	50	0	75	0
1	0	26	0	51	0	76	0
2	0	27	0	52	0	77	0
3	0	28	0	53	0	78	0
4	0	29	0	54	0	79	0
5	0	30	0	55	0	80	0
6	0	31	0	56	0	81	0
7	0	32	0	57	0	82	0
8	0	33	0	58	0	83	0
9	0	34	0	59	0	84	0
10	0	35	0	60	0	85	0
11	0	36	0	61	0	86	0
12	0	37	0	62	0	87	0
13	0	38	0	63	0	88	0
14	0	39	0	64	0	89	0
15	0	40	0	65	0	90	0
16	0	41	0	66	0	91	0
17	0	42	0	67	0	92	0
18	0	43	0	68	0	93	0
19	0	44	0	69	0	94	0
20	0	45	0	70	0	95	0
21	0	46	0	71	0	96	0
22	0	47	0	72	0	97	0

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23	0	48	0	73	0	98	0
24	0	49	0	74	0	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					

24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	18	5300	1	2	yes	no	no	no
28	5	49707	24	7100	1	1	yes	no	no	no
38	10	69456	6	10	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
45	15	86326	18	40000	1	2	yes	no	no	no
37	27	66606	12	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no

Total jobs: 91 terminated: 75

% utilization CPU: 83.84 disk: 23.29 drum: 52.56 memory: 48.80

*** Clock: 182369, Job 92 terminated normally (terminate svc issued)
Dilation: 1.01 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 183950, Job 93 terminated abnormally (max cpu time exceeded)
Response Time: 309 CPU time: 20 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 185293, Job 95 terminated normally (terminate svc issued)
Response Time: 222 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 185383, Job 97 terminated normally (terminate svc issued)
Response Time: 283 CPU time: 90 # I/O operations completed: 0
I/O operations pending: 0

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*** Clock: 188010, Job 98 terminated normally (terminate svc issued)
Response Time: 60 CPU time: 9 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 188710, Job 94 terminated abnormally (max cpu time exceeded)
Dilation: 1.05 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 190835, Job 99 terminated normally (terminate svc issued)
Response Time: 145 CPU time: 100 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 195045, Job 100 terminated normally (terminate svc issued)
Response Time: 355 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 197855, Job 101 terminated abnormally (max cpu time exceeded)
Response Time: 365 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 201155, Job 102 terminated normally (terminate svc issued)
Dilation: 2.13 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 205170, Job 104 terminated normally (terminate svc issued)
Response Time: 380 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 205385, Job 106 terminated normally (terminate svc issued)
Response Time: 555 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 206697, Job 103 terminated normally (terminate svc issued)
Dilation: 2.54 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 208940, Job 108 terminated normally (terminate svc issued)
Response Time: 1241 CPU time: 13 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 211776, Job 105 terminated normally (terminate svc issued)
Dilation: 2.32 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 214706, Job 110 terminated normally (terminate svc issued)

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Dilation: 2.05 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 217456, Job 111 terminated normally (terminate svc issued)
Dilation: 1.45 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 221756, Job 112 terminated normally (terminate svc issued)
Dilation: 2.13 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 223388, Job 113 terminated abnormally (max cpu time exceeded)
Response Time: 249 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 224606, Job 114 terminated abnormally (max cpu time exceeded)
Response Time: 67 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 225066, Job 116 terminated normally (terminate svc issued)
Response Time: 487 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 230566, Job 115 terminated normally (terminate svc issued)
Dilation: 2.40 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 230581, Job 119 terminated abnormally (max cpu time exceeded)
Response Time: 393 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 231795, Job 117 terminated normally (terminate svc issued)
Response Time: 7197 CPU time: 14 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 234995, Job 118 terminated normally (terminate svc issued)
Dilation: 2.52 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 237416, Job 121 terminated normally (terminate svc issued)
Response Time: 428 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

* * * SYSTEM STATUS AT 240216 * * *

outputSubmission.txt

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CPU: job #120 running
 Disk: idle
 Drum: idle
 Memory: 62 K words in use
 Average dilation: 2.62
 Average Response time: 6506.67

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	96	25	96	50	0	75	120
1	96	26	96	51	0	76	120
2	96	27	96	52	0	77	120
3	96	28	96	53	0	78	120
4	96	29	96	54	0	79	120
5	96	30	96	55	0	80	120
6	96	31	96	56	0	81	120
7	96	32	96	57	0	82	0
8	96	33	96	58	0	83	0
9	96	34	96	59	0	84	0
10	96	35	96	60	0	85	0
11	96	36	96	61	0	86	0
12	96	37	96	62	0	87	0
13	96	38	96	63	0	88	0
14	96	39	96	64	0	89	0
15	96	40	96	65	0	90	0
16	96	41	96	66	0	91	0
17	96	42	96	67	120	92	0
18	96	43	96	68	120	93	0
19	96	44	96	69	120	94	0
20	96	45	96	70	120	95	0
21	96	46	96	71	120	96	0
22	96	47	0	72	120	97	0
23	96	48	0	73	120	98	0
24	96	49	0	74	120	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	18	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
38	10	69456	6	10	1	1	yes	no	no	no

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34	10	66547	162	3500	1	1	yes	no	no	no
122	25	239588	0	2500	0	1	no	no	no	no
45	15	86326	18	40000	1	2	yes	no	no	no
96	47	185081	36800	65000	0	5	no	no	yes	no
37	27	66606	12	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
120	15	234188	2800	14000	0	1	no	no	yes	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no

Total jobs: 122 terminated: 101
 % utilization CPU: 86.64 disk: 20.79 drum: 41.89 memory: 49.11

*** Clock: 242616, Job 120 terminated normally (terminate svc issued)
 Dilution: 2.11 CPU time: 4000 # I/O operations completed: 4
 # I/O operations pending: 0

*** Clock: 243236, Job 123 terminated abnormally (max cpu time exceeded)
 Response Time: 348 CPU time: 20 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 248096, Job 122 terminated normally (terminate svc issued)
 Dilution: 4.25 CPU time: 2000 # I/O operations completed: 2
 # I/O operations pending: 0

*** Clock: 248919, Job 125 terminated normally (terminate svc issued)
 Response Time: 4601 CPU time: 11 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 248922, Job 128 terminated normally (terminate svc issued)
 Response Time: 1725 CPU time: 9 # I/O operations completed: 1
 # I/O operations pending: 0

*** Clock: 249412, Job 127 terminated normally (terminate svc issued)
 Response Time: 5065 CPU time: 90 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 250312, Job 129 terminated normally (terminate svc issued)
 Response Time: 375 CPU time: 100 # I/O operations completed: 0
 # I/O operations pending: 0

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*** Clock: 252812, Job 124 terminated abnormally (max cpu time exceeded)
Dilation: 2.44 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 254022, Job 130 terminated normally (terminate svc issued)
Response Time: 85 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 256832, Job 131 terminated abnormally (max cpu time exceeded)
Response Time: 95 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 260332, Job 132 terminated normally (terminate svc issued)
Dilation: 1.99 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 260932, Job 96 terminated normally (terminate svc issued)
Dilation: 1.52 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 264574, Job 136 terminated normally (terminate svc issued)
Response Time: 497 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 265589, Job 134 terminated normally (terminate svc issued)
Response Time: 1552 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 265895, Job 133 terminated normally (terminate svc issued)
Dilation: 2.51 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 267308, Job 138 terminated normally (terminate svc issued)
Response Time: 362 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 269928, Job 139 terminated normally (terminate svc issued)
Response Time: 242 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 270928, Job 135 terminated normally (terminate svc issued)
Dilation: 2.29 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 273858, Job 140 terminated normally (terminate svc issued)

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Dilation: 1.32 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 276808, Job 141 terminated normally (terminate svc issued)
Dilation: 2.15 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 280908, Job 142 terminated normally (terminate svc issued)
Dilation: 2.02 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 282540, Job 143 terminated abnormally (max cpu time exceeded)
Response Time: 154 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 283958, Job 144 terminated abnormally (max cpu time exceeded)
Response Time: 172 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 284218, Job 146 terminated normally (terminate svc issued)
Response Time: 392 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 289918, Job 145 terminated normally (terminate svc issued)
Dilation: 2.44 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 289933, Job 149 terminated abnormally (max cpu time exceeded)
Response Time: 498 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 290347, Job 147 terminated normally (terminate svc issued)
Response Time: 6502 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 294153, Job 148 terminated normally (terminate svc issued)
Dilation: 2.49 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 298228, Job 151 terminated normally (terminate svc issued)
Response Time: 1993 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

* * * SYSTEM STATUS AT 300228 * * *

outputSubmission.txt

=====

CPU: job #150 running
 Disk: idle
 Drum: idle
 Memory: 87 K words in use
 Average dilation: 2.54
 Average Response time: 5390.36

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	126	25	126	50	152	75	0
1	126	26	126	51	152	76	0
2	126	27	126	52	152	77	0
3	126	28	126	53	152	78	0
4	126	29	126	54	152	79	150
5	126	30	126	55	152	80	150
6	126	31	126	56	152	81	150
7	126	32	126	57	152	82	150
8	126	33	126	58	152	83	150
9	126	34	126	59	152	84	150
10	126	35	126	60	152	85	150
11	126	36	126	61	152	86	150
12	126	37	126	62	152	87	150
13	126	38	126	63	152	88	150
14	126	39	126	64	152	89	150
15	126	40	126	65	152	90	150
16	126	41	126	66	152	91	150
17	126	42	126	67	152	92	150
18	126	43	126	68	152	93	150
19	126	44	126	69	152	94	0
20	126	45	126	70	152	95	0
21	126	46	126	71	152	96	0
22	126	47	152	72	0	97	0
23	126	48	152	73	0	98	0
24	126	49	152	74	0	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	18	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
38	10	69456	6	10	1	1	yes	no	no	no

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34	10	66547	162	3500	1	1	yes	no	no	no
152	25	298835	400	2500	0	1	no	no	yes	no
45	15	86326	84	40000	1	2	yes	no	no	no
150	15	293435	3000	14000	0	1	no	no	yes	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no
126	47	244328	24600	65000	0	5	no	no	yes	no
137	10	264096	12	1300	1	2	yes	no	no	no

Total jobs: 152 terminated: 130

% utilization CPU: 89.31 disk: 19.35 drum: 35.13 memory: 52.57

*** Clock: 303228, Job 150 terminated normally (terminate svc issued)

Dilation: 2.45 CPU time: 4000 # I/O operations completed: 4

I/O operations pending: 0

*** Clock: 303648, Job 153 terminated abnormally (max cpu time exceeded)

Response Time: 1513 CPU time: 20 # I/O operations completed: 0

I/O operations pending: 0

*** Clock: 304848, Job 152 terminated normally (terminate svc issued)

Dilation: 3.01 CPU time: 2000 # I/O operations completed: 2

I/O operations pending: 0

*** Clock: 305259, Job 155 terminated normally (terminate svc issued)

Response Time: 1694 CPU time: 11 # I/O operations completed: 0

I/O operations pending: 0

*** Clock: 306886, Job 158 terminated normally (terminate svc issued)

Response Time: 442 CPU time: 9 # I/O operations completed: 0

I/O operations pending: 0

*** Clock: 311052, Job 154 terminated abnormally (max cpu time exceeded)

Dilation: 2.15 CPU time: 3500 # I/O operations completed: 3

I/O operations pending: 0

*** Clock: 311258, Job 157 terminated normally (terminate svc issued)

Response Time: 7664 CPU time: 90 # I/O operations completed: 14

I/O operations pending: 1

outputSubmission.txt

*** Clock: 311358, Job 159 terminated normally (terminate svc issued)
Response Time: 2174 CPU time: 100 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 313368, Job 160 terminated normally (terminate svc issued)
Response Time: 184 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 316178, Job 161 terminated abnormally (max cpu time exceeded)
Response Time: 194 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 319678, Job 162 terminated normally (terminate svc issued)
Dilation: 2.19 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 323899, Job 166 terminated normally (terminate svc issued)
Response Time: 575 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 324914, Job 164 terminated normally (terminate svc issued)
Response Time: 1630 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 325220, Job 163 terminated normally (terminate svc issued)
Dilation: 2.57 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 326451, Job 168 terminated normally (terminate svc issued)
Response Time: 258 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 329307, Job 169 terminated normally (terminate svc issued)
Response Time: 374 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 330325, Job 165 terminated normally (terminate svc issued)
Dilation: 2.34 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 333097, Job 170 terminated normally (terminate svc issued)
Dilation: 1.26 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

*** Clock: 336047, Job 171 terminated normally (terminate svc issued)
Dilation: 2.09 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 337247, Job 126 terminated normally (terminate svc issued)
Dilation: 1.86 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 340166, Job 172 terminated normally (terminate svc issued)
Dilation: 2.04 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 341798, Job 173 terminated abnormally (max cpu time exceeded)
Response Time: 165 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 343216, Job 174 terminated abnormally (max cpu time exceeded)
Response Time: 183 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 343476, Job 176 terminated normally (terminate svc issued)
Response Time: 403 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 349176, Job 175 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 349191, Job 179 terminated abnormally (max cpu time exceeded)
Response Time: 509 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 349605, Job 177 terminated normally (terminate svc issued)
Response Time: 6513 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 353405, Job 178 terminated normally (terminate svc issued)
Dilation: 2.49 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 355826, Job 181 terminated normally (terminate svc issued)
Response Time: 344 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

* * * SYSTEM STATUS AT 360426 * * *

=====

CPU: job #156 running
 Disk: idle
 Drum: idle
 Memory: 87 K words in use
 Average dilation: 2.49
 Average Response time: 4679.54

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	156	25	156	50	0	75	182
1	156	26	156	51	0	76	182
2	156	27	156	52	0	77	182
3	156	28	156	53	0	78	182
4	156	29	156	54	0	79	182
5	156	30	156	55	0	80	182
6	156	31	156	56	0	81	182
7	156	32	156	57	0	82	182
8	156	33	156	58	0	83	182
9	156	34	156	59	180	84	182
10	156	35	156	60	180	85	182
11	156	36	156	61	180	86	182
12	156	37	156	62	180	87	182
13	156	38	156	63	180	88	182
14	156	39	156	64	180	89	182
15	156	40	156	65	180	90	182
16	156	41	156	66	180	91	182
17	156	42	156	67	180	92	182
18	156	43	156	68	180	93	182
19	156	44	156	69	180	94	182
20	156	45	156	70	180	95	182
21	156	46	156	71	180	96	182
22	156	47	0	72	180	97	182
23	156	48	0	73	180	98	182
24	156	49	0	74	182	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	18	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no

outputSubmission.txt

38	10	69456	6	10	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
182	25	358082	800	2500	0	1	no	no	yes	no
45	15	86326	84	40000	1	2	yes	no	no	no
180	15	352682	3400	14000	0	1	no	no	yes	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
156	47	303575	12400	65000	0	5	no	no	yes	no
167	10	323343	126	1300	1	2	yes	no	no	no

Total jobs: 182 terminated: 159

% utilization CPU: 91.09 disk: 18.72 drum: 30.32 memory: 54.59

*** Clock: 361846, Job 183 terminated abnormally (max cpu time exceeded)
 Response Time: 464 CPU time: 20 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 362446, Job 180 terminated normally (terminate svc issued)
 Dilation: 2.44 CPU time: 4000 # I/O operations completed: 4
 # I/O operations pending: 0

*** Clock: 364046, Job 182 terminated normally (terminate svc issued)
 Dilation: 2.98 CPU time: 2000 # I/O operations completed: 2
 # I/O operations pending: 0

*** Clock: 364457, Job 185 terminated normally (terminate svc issued)
 Response Time: 1645 CPU time: 11 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 366084, Job 188 terminated normally (terminate svc issued)
 Response Time: 393 CPU time: 9 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 368826, Job 189 terminated normally (terminate svc issued)
 Response Time: 395 CPU time: 100 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 370350, Job 184 terminated abnormally (max cpu time exceeded)

outputSubmission.txt

Dilation: 2.16 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 370556, Job 187 terminated normally (terminate svc issued)
Response Time: 7715 CPU time: 90 # I/O operations completed: 14
I/O operations pending: 1

*** Clock: 372566, Job 190 terminated normally (terminate svc issued)
Response Time: 135 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 375376, Job 191 terminated abnormally (max cpu time exceeded)
Response Time: 145 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 378876, Job 192 terminated normally (terminate svc issued)
Dilation: 2.09 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 384103, Job 194 terminated normally (terminate svc issued)
Response Time: 1572 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 384306, Job 196 terminated normally (terminate svc issued)
Response Time: 1735 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 384406, Job 193 terminated normally (terminate svc issued)
Dilation: 2.52 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 386019, Job 198 terminated normally (terminate svc issued)
Response Time: 579 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 388419, Job 197 terminated normally (terminate svc issued)
Dilation: 4.86 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 388439, Job 199 terminated normally (terminate svc issued)
Response Time: 259 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 390639, Job 195 terminated normally (terminate svc issued)
Dilation: 2.69 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

outputSubmission.txt

*** Clock: 392369, Job 200 terminated normally (terminate svc issued)
Dilation: 1.45 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 395319, Job 201 terminated normally (terminate svc issued)
Dilation: 2.26 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 399419, Job 202 terminated normally (terminate svc issued)
Dilation: 2.04 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 401051, Job 203 terminated abnormally (max cpu time exceeded)
Response Time: 171 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 402469, Job 204 terminated abnormally (max cpu time exceeded)
Response Time: 189 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 402729, Job 206 terminated normally (terminate svc issued)
Response Time: 409 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 408429, Job 205 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 408444, Job 209 terminated abnormally (max cpu time exceeded)
Response Time: 515 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 409658, Job 207 terminated normally (terminate svc issued)
Response Time: 7319 CPU time: 14 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 413858, Job 208 terminated normally (terminate svc issued)
Dilation: 2.89 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

* * * SYSTEM STATUS AT 420458 * * *
=====

outputSubmission.txt

CPU: job #186 running
 Disk: idle
 Drum: idle
 Memory: 94 K words in use
 Average dilation: 2.50
 Average Response time: 4213.79

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	156	25	156	50	0	75	186
1	156	26	156	51	0	76	186
2	156	27	156	52	186	77	186
3	156	28	156	53	186	78	186
4	156	29	156	54	186	79	186
5	156	30	156	55	186	80	186
6	156	31	156	56	186	81	186
7	156	32	156	57	186	82	186
8	156	33	156	58	186	83	186
9	156	34	156	59	186	84	186
10	156	35	156	60	186	85	186
11	156	36	156	61	186	86	186
12	156	37	156	62	186	87	186
13	156	38	156	63	186	88	186
14	156	39	156	64	186	89	186
15	156	40	156	65	186	90	186
16	156	41	156	66	186	91	186
17	156	42	156	67	186	92	186
18	156	43	156	68	186	93	186
19	156	44	156	69	186	94	186
20	156	45	156	70	186	95	186
21	156	46	156	71	186	96	186
22	156	47	0	72	186	97	186
23	156	48	0	73	186	98	186
24	156	49	0	74	186	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	18	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
38	10	69456	6	10	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
211	18	414729	0	23	0	2	no	no	no	no

outputSubmission.txt

45	15	86326	84	40000	1	2	yes	no	no	no
210	15	411929	0	14000	0	1	no	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
212	25	417329	0	2500	0	1	no	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
186	47	362822	4600	65000	0	5	no	no	yes	no
107	10	204849	72	1300	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
156	47	303575	49400	65000	0	5	no	no	yes	no
167	10	323343	126	1300	1	2	yes	no	no	no

Total jobs: 212 terminated: 187

% utilization CPU: 92.36 disk: 17.92 drum: 26.12 memory: 55.96

*** Clock: 421858, Job 156 terminated normally (terminate svc issued)
Dilation: 2.37 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 422279, Job 211 terminated normally (terminate svc issued)
Response Time: 7550 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 432097, Job 212 terminated normally (terminate svc issued)
Dilation: 7.38 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 432706, Job 218 terminated normally (terminate svc issued)
Response Time: 7768 CPU time: 9 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 434630, Job 214 terminated abnormally (max cpu time exceeded)
Dilation: 3.60 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 435642, Job 210 terminated normally (terminate svc issued)
Dilation: 5.93 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 435858, Job 221 terminated abnormally (max cpu time exceeded)
Response Time: 1380 CPU time: 10 # I/O operations completed: 0

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I/O operations pending: 0

*** Clock: 438212, Job 222 terminated normally (terminate svc issued)
Dilation: 2.27 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 438216, Job 219 terminated normally (terminate svc issued)
Response Time: 10538 CPU time: 100 # I/O operations completed: 16
I/O operations pending: 1

*** Clock: 438627, Job 215 terminated normally (terminate svc issued)
Response Time: 16568 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 443429, Job 223 terminated normally (terminate svc issued)
Dilation: 2.35 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 443632, Job 224 terminated normally (terminate svc issued)
Response Time: 1854 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 444035, Job 226 terminated normally (terminate svc issued)
Response Time: 2217 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 445248, Job 228 terminated normally (terminate svc issued)
Response Time: 561 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 447448, Job 227 terminated normally (terminate svc issued)
Dilation: 4.68 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 447668, Job 229 terminated normally (terminate svc issued)
Response Time: 241 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 448478, Job 220 terminated normally (terminate svc issued)
Response Time: 16800 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 450078, Job 225 terminated normally (terminate svc issued)
Dilation: 2.76 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

outputSubmission.txt

*** Clock: 451608, Job 230 terminated normally (terminate svc issued)
Dilation: 1.39 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 454558, Job 231 terminated normally (terminate svc issued)
Dilation: 2.21 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 454561, Job 38 terminated normally (terminate svc issued)
Response Time: 385105 CPU time: 9 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 458661, Job 232 terminated normally (terminate svc issued)
Dilation: 2.04 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 461293, Job 233 terminated abnormally (max cpu time exceeded)
Response Time: 1166 CPU time: 32 # I/O operations completed: 5
I/O operations pending: 0

*** Clock: 462523, Job 234 terminated abnormally (max cpu time exceeded)
Response Time: 996 CPU time: 18 # I/O operations completed: 2
I/O operations pending: 1

*** Clock: 467683, Job 235 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 470175, Job 237 terminated normally (terminate svc issued)
Response Time: 8589 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 471999, Job 238 terminated normally (terminate svc issued)
Dilation: 2.52 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 475432, Job 241 terminated normally (terminate svc issued)
Response Time: 1456 CPU time: 21 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 479632, Job 240 terminated normally (terminate svc issued)
Dilation: 2.11 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 480252, Job 243 terminated abnormally (max cpu time exceeded)

outputSubmission.txt

Response Time: 376 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

* * * SYSTEM STATUS AT 480652 * * *
=====

CPU: job #242 running
Disk: idle
Drum: idle
Memory: 72 K words in use
Average dilation: 2.60
Average Response time: 7354.62

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	242	25	0	50	0	75	186
1	242	26	0	51	0	76	186
2	242	27	0	52	186	77	186
3	242	28	0	53	186	78	186
4	242	29	0	54	186	79	186
5	242	30	0	55	186	80	186
6	242	31	0	56	186	81	186
7	242	32	0	57	186	82	186
8	242	33	0	58	186	83	186
9	242	34	0	59	186	84	186
10	242	35	0	60	186	85	186
11	242	36	0	61	186	86	186
12	242	37	0	62	186	87	186
13	242	38	0	63	186	88	186
14	242	39	0	64	186	89	186
15	242	40	0	65	186	90	186
16	242	41	0	66	186	91	186
17	242	42	0	67	186	92	186
18	242	43	0	68	186	93	186
19	242	44	0	69	186	94	186
20	242	45	0	70	186	95	186
21	242	46	0	71	186	96	186
22	242	47	0	72	186	97	186
23	242	48	0	73	186	98	186
24	242	49	0	74	186	99	0

JOBTABLE

Job#	Size	Time Arrived	CPUTime Used	MaxCPU Time	I/O's Pending	Priority	Blocked	Latched	InCore	Term
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no

outputSubmission.txt

61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
242	25	476576	400	2500	0	1	no	no	yes	no
34	10	66547	162	3500	1	1	yes	no	no	no
45	15	86326	84	40000	1	2	yes	no	no	no
236	21	461567	30	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
186	47	362822	37000	65000	0	5	no	no	yes	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no

Total jobs: 243 terminated: 217

% utilization CPU: 93.32 disk: 18.48 drum: 24.86 memory: 59.89

*** Clock: 485058, Job 242 terminated normally (terminate svc issued)
Dilation: 4.24 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 485061, Job 248 terminated normally (terminate svc issued)
Response Time: 876 CPU time: 9 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 487361, Job 249 terminated normally (terminate svc issued)
Response Time: 436 CPU time: 100 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 489661, Job 244 terminated abnormally (max cpu time exceeded)
Dilation: 2.40 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 489872, Job 245 terminated normally (terminate svc issued)
Response Time: 8566 CPU time: 11 # I/O operations completed: 0

outputSubmission.txt

I/O operations pending: 0

*** Clock: 502087, Job 254 terminated normally (terminate svc issued)
Response Time: 1062 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 507887, Job 186 terminated normally (terminate svc issued)
Dilation: 2.90 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 508177, Job 247 terminated normally (terminate svc issued)
Response Time: 26842 CPU time: 90 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 508187, Job 251 terminated abnormally (max cpu time exceeded)
Response Time: 14462 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 509317, Job 252 terminated normally (terminate svc issued)
Dilation: 25.98 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 509963, Job 250 terminated normally (terminate svc issued)
Response Time: 19038 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 510893, Job 260 terminated normally (terminate svc issued)
Dilation: 1.68 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 513843, Job 261 terminated normally (terminate svc issued)
Dilation: 2.46 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 517943, Job 262 terminated normally (terminate svc issued)
Dilation: 2.08 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 520575, Job 263 terminated abnormally (max cpu time exceeded)
Response Time: 1201 CPU time: 32 # I/O operations completed: 5
I/O operations pending: 0

*** Clock: 521241, Job 266 terminated normally (terminate svc issued)
Response Time: 427 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

*** Clock: 521853, Job 264 terminated abnormally (max cpu time exceeded)
Response Time: 1079 CPU time: 18 # I/O operations completed: 2
I/O operations pending: 1

*** Clock: 526868, Job 269 terminated abnormally (max cpu time exceeded)
Response Time: 445 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 526968, Job 265 terminated normally (terminate svc issued)
Dilation: 2.47 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 527382, Job 267 terminated normally (terminate svc issued)
Response Time: 6549 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 531182, Job 268 terminated normally (terminate svc issued)
Dilation: 2.50 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 534803, Job 271 terminated normally (terminate svc issued)
Response Time: 1580 CPU time: 21 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 539623, Job 273 terminated abnormally (max cpu time exceeded)
Response Time: 500 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 540223, Job 270 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

* * * SYSTEM STATUS AT 540668 * * *
=====

CPU: job #272 running
Disk: idle
Drum: idle
Memory: 82 K words in use
Average dilation: 2.83
Average Response time: 7212.46

CORE MAP

Partition Job	Partition Job	Partition Job	Partition Job
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outputSubmission.txt

0	246	25	246	50	272	75	274
1	246	26	246	51	272	76	274
2	246	27	246	52	272	77	274
3	246	28	246	53	272	78	274
4	246	29	246	54	272	79	274
5	246	30	246	55	272	80	274
6	246	31	246	56	272	81	274
7	246	32	246	57	272	82	0
8	246	33	246	58	272	83	0
9	246	34	246	59	272	84	0
10	246	35	246	60	272	85	0
11	246	36	246	61	272	86	0
12	246	37	246	62	272	87	0
13	246	38	246	63	272	88	0
14	246	39	246	64	272	89	0
15	246	40	246	65	272	90	0
16	246	41	246	66	272	91	0
17	246	42	246	67	272	92	0
18	246	43	246	68	272	93	0
19	246	44	246	69	272	94	0
20	246	45	246	70	272	95	0
21	246	46	246	71	272	96	0
22	246	47	272	72	274	97	0
23	246	48	272	73	274	98	0
24	246	49	272	74	274	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
61	18	118494	6	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
272	25	535823	1645	2500	0	1	no	no	yes	no
34	10	66547	162	3500	1	1	yes	no	no	no
274	10	540523	0	3500	0	1	no	no	yes	no
45	15	86326	84	40000	1	2	yes	no	no	no
236	21	461567	30	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
275	30	540553	0	14	0	2	no	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
276	47	540563	0	65000	0	5	no	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no

outputSubmission.txt

213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no
246	47	481316	28600	65000	0	5	no	no	yes	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no
277	27	540582	0	100	0	1	no	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
258	8	503934	6	15	1	1	yes	no	no	no
255	15	501055	12	40000	1	2	yes	no	no	no
256	6	501065	12	19	1	1	yes	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no

Total jobs: 277 terminated: 241

% utilization CPU: 94.06 disk: 17.91 drum: 22.90 memory: 61.70

*** Clock: 541823, Job 272 terminated normally (terminate svc issued)
Dilation: 3.00 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 544232, Job 278 terminated normally (terminate svc issued)
Response Time: 800 CPU time: 9 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 546532, Job 279 terminated normally (terminate svc issued)
Response Time: 360 CPU time: 100 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 548032, Job 274 terminated abnormally (max cpu time exceeded)
Dilation: 2.15 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 548243, Job 275 terminated normally (terminate svc issued)
Response Time: 7690 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 548533, Job 277 terminated normally (terminate svc issued)
Response Time: 7951 CPU time: 90 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 550543, Job 280 terminated normally (terminate svc issued)
Response Time: 371 CPU time: 10 # I/O operations completed: 1

outputSubmission.txt

I/O operations pending: 1

*** Clock: 553353, Job 281 terminated abnormally (max cpu time exceeded)
Response Time: 381 CPU time: 10 # I/O operations completed: 1
I/O operations pending: 1

*** Clock: 556653, Job 282 terminated normally (terminate svc issued)
Dilation: 2.16 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 560668, Job 284 terminated normally (terminate svc issued)
Response Time: 396 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 560883, Job 286 terminated normally (terminate svc issued)
Response Time: 571 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 562195, Job 283 terminated normally (terminate svc issued)
Dilation: 2.56 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 566275, Job 289 terminated normally (terminate svc issued)
Response Time: 354 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 567281, Job 285 terminated normally (terminate svc issued)
Dilation: 2.33 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 570211, Job 290 terminated normally (terminate svc issued)
Dilation: 2.23 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 571211, Job 246 terminated normally (terminate svc issued)
Dilation: 1.80 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 572972, Job 291 terminated normally (terminate svc issued)
Dilation: 1.67 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 577072, Job 292 terminated normally (terminate svc issued)
Dilation: 1.95 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

outputSubmission.txt

*** Clock: 578704, Job 293 terminated abnormally (max cpu time exceeded)
Response Time: 83 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 580122, Job 294 terminated abnormally (max cpu time exceeded)
Response Time: 101 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 580382, Job 296 terminated normally (terminate svc issued)
Response Time: 321 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 586082, Job 295 terminated normally (terminate svc issued)
Dilation: 2.41 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 586097, Job 299 terminated abnormally (max cpu time exceeded)
Response Time: 427 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 586511, Job 297 terminated normally (terminate svc issued)
Response Time: 6431 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 590317, Job 298 terminated normally (terminate svc issued)
Dilation: 2.46 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 591126, Job 61 terminated normally (terminate svc issued)
Response Time: 472632 CPU time: 21 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 598138, Job 300 terminated normally (terminate svc issued)
Dilation: 2.12 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 598758, Job 303 terminated abnormally (max cpu time exceeded)
Response Time: 388 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

* * * SYSTEM STATUS AT 600758 * * *
=====

CPU: job #304 running

outputSubmission.txt

Disk: idle
 Drum: idle
 Memory: 82 K words in use
 Average dilation: 2.77
 Average Response time: 9673.09

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	276	25	276	50	302	75	304
1	276	26	276	51	302	76	304
2	276	27	276	52	302	77	304
3	276	28	276	53	302	78	304
4	276	29	276	54	302	79	304
5	276	30	276	55	302	80	304
6	276	31	276	56	302	81	304
7	276	32	276	57	302	82	0
8	276	33	276	58	302	83	0
9	276	34	276	59	302	84	0
10	276	35	276	60	302	85	0
11	276	36	276	61	302	86	0
12	276	37	276	62	302	87	0
13	276	38	276	63	302	88	0
14	276	39	276	64	302	89	0
15	276	40	276	65	302	90	0
16	276	41	276	66	302	91	0
17	276	42	276	67	302	92	0
18	276	43	276	68	302	93	0
19	276	44	276	69	302	94	0
20	276	45	276	70	302	95	0
21	276	46	276	71	302	96	0
22	276	47	302	72	304	97	0
23	276	48	302	73	304	98	0
24	276	49	302	74	304	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
301	18	592470	12	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
288	8	563181	6	15	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
302	25	595070	1200	2500	0	1	no	no	yes	no
45	15	86326	84	40000	1	2	yes	no	no	no

outputSubmission.txt

236	21	461567	30	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
304	10	599770	200	3500	0	1	no	no	yes	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
276	47	540563	17400	65000	0	5	no	no	yes	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no
305	30	599800	0	14	0	2	no	no	no	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no
306	47	599810	0	65000	0	5	no	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
258	8	503934	6	15	1	1	yes	no	no	no
255	15	501055	12	40000	1	2	yes	no	no	no
256	6	501065	12	19	1	1	yes	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no
287	10	560331	72	1300	1	2	yes	no	no	no
307	27	599829	0	100	0	1	no	no	no	no

Total jobs: 307 terminated: 269

% utilization CPU: 94.65 disk: 17.37 drum: 21.36 memory: 61.60

*** Clock: 603167, Job 308 terminated normally (terminate svc issued)

Response Time: 488 CPU time: 9 # I/O operations completed: 0

I/O operations pending: 0

*** Clock: 603567, Job 302 terminated normally (terminate svc issued)

Dilation: 4.25 CPU time: 2000 # I/O operations completed: 2

I/O operations pending: 0

*** Clock: 605867, Job 309 terminated normally (terminate svc issued)

Response Time: 448 CPU time: 100 # I/O operations completed: 0

I/O operations pending: 0

*** Clock: 608167, Job 304 terminated abnormally (max cpu time exceeded)

Dilation: 2.40 CPU time: 3500 # I/O operations completed: 3

I/O operations pending: 0

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*** Clock: 608378, Job 305 terminated normally (terminate svc issued)
Response Time: 8578 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 609612, Job 310 terminated normally (terminate svc issued)
Response Time: 193 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 612422, Job 311 terminated abnormally (max cpu time exceeded)
Response Time: 203 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 615922, Job 312 terminated normally (terminate svc issued)
Dilation: 2.21 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 619937, Job 314 terminated normally (terminate svc issued)
Response Time: 418 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 620152, Job 316 terminated normally (terminate svc issued)
Response Time: 593 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 621852, Job 313 terminated normally (terminate svc issued)
Dilation: 2.87 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 622865, Job 318 terminated normally (terminate svc issued)
Response Time: 437 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 624665, Job 317 terminated normally (terminate svc issued)
Dilation: 4.24 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 625485, Job 319 terminated normally (terminate svc issued)
Response Time: 317 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 627685, Job 315 terminated normally (terminate svc issued)
Dilation: 2.71 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 629415, Job 320 terminated normally (terminate svc issued)
Dilation: 1.90 CPU time: 130 # I/O operations completed: 0

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I/O operations pending: 0

*** Clock: 632165, Job 321 terminated normally (terminate svc issued)
Dilation: 1.31 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 636465, Job 322 terminated normally (terminate svc issued)
Dilation: 2.11 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 638097, Job 323 terminated abnormally (max cpu time exceeded)
Response Time: 229 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 639315, Job 324 terminated abnormally (max cpu time exceeded)
Response Time: 47 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 639775, Job 326 terminated normally (terminate svc issued)
Response Time: 467 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 645390, Job 329 terminated abnormally (max cpu time exceeded)
Response Time: 473 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 645490, Job 325 terminated normally (terminate svc issued)
Dilation: 2.48 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 649550, Job 328 terminated normally (terminate svc issued)
Dilation: 2.46 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 650580, Job 276 terminated normally (terminate svc issued)
Dilation: 2.20 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 650615, Job 327 terminated normally (terminate svc issued)
Response Time: 11288 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 651871, Job 331 terminated normally (terminate svc issued)
Response Time: 154 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

*** Clock: 655089, Job 330 terminated normally (terminate svc issued)
Dilation: 1.54 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 656689, Job 332 terminated normally (terminate svc issued)
Dilation: 1.19 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 657661, Job 333 terminated abnormally (max cpu time exceeded)
Response Time: 44 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 657704, Job 256 terminated normally (terminate svc issued)
Response Time: 156639 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 659257, Job 335 terminated normally (terminate svc issued)
Response Time: 210 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 659347, Job 337 terminated normally (terminate svc issued)
Response Time: 271 CPU time: 90 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 659554, Job 258 terminated normally (terminate svc issued)
Response Time: 155620 CPU time: 13 # I/O operations completed: 2
I/O operations pending: 0

* * * SYSTEM STATUS AT 660799 * * *
=====

CPU: job #334 running
Disk: idle
Drum: idle
Memory: 10 K words in use
Average dilation: 2.73
Average Response time: 10489.31

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	0	25	334	50	0	75	0
1	0	26	334	51	0	76	0
2	0	27	334	52	0	77	0
3	0	28	334	53	0	78	0

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4	0	29	334	54	0	79	0
5	0	30	334	55	0	80	0
6	0	31	334	56	0	81	0
7	0	32	334	57	0	82	0
8	0	33	0	58	0	83	0
9	0	34	0	59	0	84	0
10	0	35	0	60	0	85	0
11	0	36	0	61	0	86	0
12	0	37	0	62	0	87	0
13	0	38	0	63	0	88	0
14	0	39	0	64	0	89	0
15	0	40	0	65	0	90	0
16	0	41	0	66	0	91	0
17	0	42	0	67	0	92	0
18	0	43	0	68	0	93	0
19	0	44	0	69	0	94	0
20	0	45	0	70	0	95	0
21	0	46	0	71	0	96	0
22	0	47	0	72	0	97	0
23	334	48	0	73	0	98	0
24	334	49	0	74	0	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
301	18	592470	12	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
288	8	563181	6	15	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
334	10	659017	1645	3500	0	1	no	no	yes	no
45	15	86326	84	40000	1	2	yes	no	no	no
236	21	461567	30	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
336	47	659057	0	65000	0	5	no	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no

outputSubmission.txt

306	47	599810	138	65000	1	5	yes	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
255	15	501055	12	40000	1	2	yes	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no
287	10	560331	72	1300	1	2	yes	no	no	no
307	27	599829	24	100	1	1	yes	no	no	no

Total jobs: 337 terminated: 303

% utilization CPU: 94.78 disk: 17.07 drum: 19.87 memory: 61.45

*** Clock: 661963, Job 338 terminated normally (terminate svc issued)
 Response Time: 37 CPU time: 9 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 662663, Job 334 terminated abnormally (max cpu time exceeded)
 Dilation: 1.04 CPU time: 3500 # I/O operations completed: 3
 # I/O operations pending: 0

*** Clock: 664792, Job 339 terminated normally (terminate svc issued)
 Response Time: 126 CPU time: 100 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 668802, Job 340 terminated normally (terminate svc issued)
 Response Time: 136 CPU time: 10 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 671612, Job 341 terminated abnormally (max cpu time exceeded)
 Response Time: 146 CPU time: 10 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 675112, Job 342 terminated normally (terminate svc issued)
 Dilation: 2.09 CPU time: 500 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 679127, Job 344 terminated normally (terminate svc issued)
 Response Time: 361 CPU time: 15 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 680542, Job 346 terminated normally (terminate svc issued)
 Response Time: 1736 CPU time: 15 # I/O operations completed: 2
 # I/O operations pending: 0

outputSubmission.txt

*** Clock: 680642, Job 343 terminated normally (terminate svc issued)
Dilation: 2.52 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 682255, Job 348 terminated normally (terminate svc issued)
Response Time: 580 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 684655, Job 347 terminated normally (terminate svc issued)
Dilation: 4.86 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 684675, Job 349 terminated normally (terminate svc issued)
Response Time: 260 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 686875, Job 345 terminated normally (terminate svc issued)
Dilation: 2.69 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 688605, Job 350 terminated normally (terminate svc issued)
Dilation: 1.46 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 691555, Job 351 terminated normally (terminate svc issued)
Dilation: 2.27 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 695655, Job 352 terminated normally (terminate svc issued)
Dilation: 2.04 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 697287, Job 353 terminated abnormally (max cpu time exceeded)
Response Time: 172 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 698705, Job 354 terminated abnormally (max cpu time exceeded)
Response Time: 190 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 698965, Job 356 terminated normally (terminate svc issued)
Response Time: 410 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 704665, Job 355 terminated normally (terminate svc issued)

outputSubmission.txt

Dilation: 2.45 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 704680, Job 359 terminated abnormally (max cpu time exceeded)
Response Time: 516 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 705894, Job 357 terminated normally (terminate svc issued)
Response Time: 7320 CPU time: 14 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 708894, Job 358 terminated normally (terminate svc issued)
Dilation: 2.49 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 711315, Job 361 terminated normally (terminate svc issued)
Response Time: 351 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 717335, Job 363 terminated abnormally (max cpu time exceeded)
Response Time: 471 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 717935, Job 360 terminated normally (terminate svc issued)
Dilation: 2.44 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 719535, Job 362 terminated normally (terminate svc issued)
Dilation: 2.99 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

* * * SYSTEM STATUS AT 720935 * * *
=====

CPU: job #336 running
Disk: idle
Drum: idle
Memory: 57 K words in use
Average dilation: 2.70
Average Response time: 9732.62

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	336	25	336	50	0	75	364

outputSubmission.txt

1	336	26	336	51	0	76	364
2	336	27	336	52	0	77	364
3	336	28	336	53	0	78	364
4	336	29	336	54	0	79	364
5	336	30	336	55	0	80	364
6	336	31	336	56	0	81	364
7	336	32	336	57	0	82	0
8	336	33	336	58	0	83	0
9	336	34	336	59	0	84	0
10	336	35	336	60	0	85	0
11	336	36	336	61	0	86	0
12	336	37	336	62	0	87	0
13	336	38	336	63	0	88	0
14	336	39	336	64	0	89	0
15	336	40	336	65	0	90	0
16	336	41	336	66	0	91	0
17	336	42	336	67	0	92	0
18	336	43	336	68	0	93	0
19	336	44	336	69	0	94	0
20	336	45	336	70	0	95	0
21	336	46	336	71	0	96	0
22	336	47	0	72	364	97	0
23	336	48	0	73	364	98	0
24	336	49	0	74	364	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
301	18	592470	12	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
288	8	563181	6	15	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
45	15	86326	84	40000	1	2	yes	no	no	no
236	21	461567	30	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
364	10	718264	1200	3500	0	1	no	no	yes	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
336	47	659057	38000	65000	0	5	no	no	yes	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no

outputSubmission.txt

167	10	323343	126	1300	1	2	yes	no	no	no
365	30	718294	0	14	0	2	no	no	no	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no
306	47	599810	138	65000	1	5	yes	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
366	47	718304	0	65000	0	5	no	no	no	no
255	15	501055	12	40000	1	2	yes	no	no	no
367	27	718323	0	100	0	1	no	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no
287	10	560331	72	1300	1	2	yes	no	no	no
307	27	599829	24	100	1	1	yes	no	no	no

Total jobs: 367 terminated: 330

% utilization CPU: 95.21 disk: 16.50 drum: 18.69 memory: 61.27

*** Clock: 721544, Job 368 terminated normally (terminate svc issued)
 Response Time: 371 CPU time: 9 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 724244, Job 369 terminated normally (terminate svc issued)
 Response Time: 331 CPU time: 100 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 725744, Job 364 terminated abnormally (max cpu time exceeded)
 Dilation: 2.14 CPU time: 3500 # I/O operations completed: 3
 # I/O operations pending: 0

*** Clock: 725955, Job 365 terminated normally (terminate svc issued)
 Response Time: 7661 CPU time: 11 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 727995, Job 370 terminated normally (terminate svc issued)
 Response Time: 82 CPU time: 10 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 730805, Job 371 terminated abnormally (max cpu time exceeded)
 Response Time: 92 CPU time: 10 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 734305, Job 372 terminated normally (terminate svc issued)
 Dilation: 1.98 CPU time: 500 # I/O operations completed: 0
 # I/O operations pending: 0

outputSubmission.txt

*** Clock: 735905, Job 336 terminated normally (terminate svc issued)
Dilation: 1.54 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 738343, Job 374 terminated normally (terminate svc issued)
Response Time: 330 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 738558, Job 376 terminated normally (terminate svc issued)
Response Time: 505 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 739870, Job 373 terminated normally (terminate svc issued)
Dilation: 2.51 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 741301, Job 378 terminated normally (terminate svc issued)
Response Time: 379 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 743933, Job 379 terminated normally (terminate svc issued)
Response Time: 271 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 744933, Job 375 terminated normally (terminate svc issued)
Dilation: 2.30 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 747863, Job 380 terminated normally (terminate svc issued)
Dilation: 1.55 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 750813, Job 381 terminated normally (terminate svc issued)
Dilation: 2.34 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 754913, Job 382 terminated normally (terminate svc issued)
Dilation: 2.06 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 756545, Job 383 terminated abnormally (max cpu time exceeded)
Response Time: 183 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

*** Clock: 757963, Job 384 terminated abnormally (max cpu time exceeded)
Response Time: 201 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 758223, Job 386 terminated normally (terminate svc issued)
Response Time: 421 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 763923, Job 385 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 763938, Job 389 terminated abnormally (max cpu time exceeded)
Response Time: 527 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 764352, Job 387 terminated normally (terminate svc issued)
Response Time: 6531 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 768158, Job 388 terminated normally (terminate svc issued)
Dilation: 2.50 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 770591, Job 391 terminated normally (terminate svc issued)
Response Time: 380 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 776611, Job 393 terminated abnormally (max cpu time exceeded)
Response Time: 500 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 777211, Job 390 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 778823, Job 392 terminated normally (terminate svc issued)
Dilation: 3.01 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 780656, Job 398 terminated normally (terminate svc issued)
Response Time: 236 CPU time: 9 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

* * * SYSTEM STATUS AT 780962 * * *

=====

CPU: job #394 running
 Disk running for job 394 since 780962
 Drum: idle
 Memory: 72 K words in use
 Average dilation: 2.67
 Average Response time: 9028.52

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	366	25	366	50	0	75	45
1	366	26	366	51	0	76	45
2	366	27	366	52	0	77	45
3	366	28	366	53	0	78	45
4	366	29	366	54	0	79	45
5	366	30	366	55	0	80	45
6	366	31	366	56	0	81	45
7	366	32	366	57	0	82	45
8	366	33	366	58	0	83	45
9	366	34	366	59	0	84	45
10	366	35	366	60	0	85	45
11	366	36	366	61	0	86	45
12	366	37	366	62	0	87	394
13	366	38	366	63	0	88	394
14	366	39	366	64	0	89	394
15	366	40	366	65	0	90	394
16	366	41	366	66	0	91	394
17	366	42	366	67	0	92	394
18	366	43	366	68	0	93	394
19	366	44	366	69	0	94	394
20	366	45	366	70	0	95	394
21	366	46	366	71	0	96	394
22	366	47	0	72	45	97	0
23	366	48	0	73	45	98	0
24	366	49	0	74	45	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
301	18	592470	12	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no

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288	8	563181	6	15	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
45	15	86326	126	40000	0	2	no	no	yes	no
236	21	461567	48	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
394	10	777511	1500	3500	1	1	no	yes	yes	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
395	30	777541	0	14	0	2	no	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no
396	47	777551	0	65000	0	5	no	no	no	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no
306	47	599810	138	65000	1	5	yes	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
366	47	718304	26200	65000	0	5	no	no	yes	no
255	15	501055	12	40000	1	2	yes	no	no	no
367	27	718323	30	100	1	1	yes	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no
287	10	560331	72	1300	1	2	yes	no	no	no
307	27	599829	24	100	1	1	yes	no	no	no
377	10	738072	42	1300	1	2	yes	no	no	no
397	27	777570	0	100	0	1	no	no	no	no

Total jobs: 398 terminated: 359

% utilization CPU: 95.58 disk: 16.22 drum: 17.78 memory: 61.53

*** Clock: 783598, Job 399 terminated normally (terminate svc issued)
 Response Time: 438 CPU time: 100 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 785122, Job 394 terminated abnormally (max cpu time exceeded)
 Dilation: 2.17 CPU time: 3500 # I/O operations completed: 3
 # I/O operations pending: 0

*** Clock: 786775, Job 395 terminated normally (terminate svc issued)
 Response Time: 9234 CPU time: 11 # I/O operations completed: 0
 # I/O operations pending: 0

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*** Clock: 788839, Job 400 terminated normally (terminate svc issued)
Response Time: 1679 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 790049, Job 401 terminated abnormally (max cpu time exceeded)
Response Time: 89 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 793549, Job 402 terminated normally (terminate svc issued)
Dilation: 1.98 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 797564, Job 404 terminated normally (terminate svc issued)
Response Time: 304 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 798979, Job 406 terminated normally (terminate svc issued)
Response Time: 1679 CPU time: 15 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 799079, Job 403 terminated normally (terminate svc issued)
Dilation: 2.48 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 800692, Job 408 terminated normally (terminate svc issued)
Response Time: 523 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 803092, Job 407 terminated normally (terminate svc issued)
Dilation: 4.81 CPU time: 1200 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 803312, Job 409 terminated normally (terminate svc issued)
Response Time: 403 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 805312, Job 405 terminated normally (terminate svc issued)
Dilation: 2.67 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 807242, Job 410 terminated normally (terminate svc issued)
Dilation: 2.56 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 809992, Job 411 terminated normally (terminate svc issued)
Dilation: 1.89 CPU time: 150 # I/O operations completed: 0

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I/O operations pending: 0

*** Clock: 814092, Job 412 terminated normally (terminate svc issued)
Dilation: 1.98 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 814292, Job 366 terminated normally (terminate svc issued)
Dilation: 1.92 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 815743, Job 413 terminated abnormally (max cpu time exceeded)
Response Time: 134 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 817161, Job 414 terminated abnormally (max cpu time exceeded)
Response Time: 152 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 817421, Job 416 terminated normally (terminate svc issued)
Response Time: 372 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 823121, Job 415 terminated normally (terminate svc issued)
Dilation: 2.43 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 823136, Job 419 terminated abnormally (max cpu time exceeded)
Response Time: 478 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 827354, Job 418 terminated normally (terminate svc issued)
Dilation: 2.48 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 827757, Job 301 terminated normally (terminate svc issued)
Response Time: 235287 CPU time: 21 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 834969, Job 420 terminated normally (terminate svc issued)
Dilation: 2.08 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 835789, Job 423 terminated abnormally (max cpu time exceeded)
Response Time: 431 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

outputSubmission.txt

*** Clock: 840198, Job 428 terminated normally (terminate svc issued)
 Response Time: 531 CPU time: 9 # I/O operations completed: 0
 # I/O operations pending: 0

*** Clock: 840398, Job 422 terminated normally (terminate svc issued)
 Dilation: 4.17 CPU time: 2000 # I/O operations completed: 2
 # I/O operations pending: 0

* * * SYSTEM STATUS AT 840998 * * *
 =====

CPU: job #396 running
 Disk running for job 424 since 840898
 Drum: idle
 Memory: 57 K words in use
 Average dilation: 2.66
 Average Response time: 9550.07

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	396	25	396	50	0	75	424
1	396	26	396	51	0	76	424
2	396	27	396	52	0	77	424
3	396	28	396	53	0	78	424
4	396	29	396	54	0	79	424
5	396	30	396	55	0	80	424
6	396	31	396	56	0	81	424
7	396	32	396	57	0	82	0
8	396	33	396	58	0	83	0
9	396	34	396	59	0	84	0
10	396	35	396	60	0	85	0
11	396	36	396	61	0	86	0
12	396	37	396	62	0	87	0
13	396	38	396	63	0	88	0
14	396	39	396	64	0	89	0
15	396	40	396	65	0	90	0
16	396	41	396	66	0	91	0
17	396	42	396	67	0	92	0
18	396	43	396	68	0	93	0
19	396	44	396	69	0	94	0
20	396	45	396	70	0	95	0
21	396	46	396	71	0	96	0
22	396	47	0	72	424	97	0
23	396	48	0	73	424	98	0
24	396	49	0	74	424	99	0

JOBTABLE

outputSubmission.txt

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
	Arrived		Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
421	18	829458	12	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
288	8	563181	6	15	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
45	15	86326	228	40000	1	2	yes	no	no	no
236	21	461567	48	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
424	10	836758	1600	3500	1	1	no	yes	yes	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
425	30	836788	0	14	0	2	no	no	no	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no
396	47	777551	13400	65000	0	5	no	no	yes	no
216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no
306	47	599810	138	65000	1	5	yes	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
417	23	817068	12	17	1	2	yes	no	no	no
255	15	501055	12	40000	1	2	yes	no	no	no
367	27	718323	30	100	1	1	yes	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no
287	10	560331	72	1300	1	2	yes	no	no	no
307	27	599829	24	100	1	1	yes	no	no	no
377	10	738072	42	1300	1	2	yes	no	no	no
397	27	777570	54	100	1	1	yes	no	no	no
426	47	836798	0	65000	0	5	no	no	no	no
427	27	836817	0	100	0	1	no	no	no	no

Total jobs: 428 terminated: 387

% utilization CPU: 95.89 disk: 16.10 drum: 17.00 memory: 61.73

outputSubmission.txt

*** Clock: 842898, Job 429 terminated normally (terminate svc issued)
Response Time: 491 CPU time: 100 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 844998, Job 424 terminated abnormally (max cpu time exceeded)
Dilation: 2.35 CPU time: 3500 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 845209, Job 425 terminated normally (terminate svc issued)
Response Time: 8421 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 845499, Job 427 terminated normally (terminate svc issued)
Response Time: 8682 CPU time: 90 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 846509, Job 430 terminated normally (terminate svc issued)
Response Time: 102 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 849319, Job 431 terminated abnormally (max cpu time exceeded)
Response Time: 112 CPU time: 10 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 852819, Job 432 terminated normally (terminate svc issued)
Dilation: 2.02 CPU time: 500 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 856834, Job 434 terminated normally (terminate svc issued)
Response Time: 327 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 857049, Job 436 terminated normally (terminate svc issued)
Response Time: 502 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 858361, Job 433 terminated normally (terminate svc issued)
Dilation: 2.50 CPU time: 1300 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 859792, Job 438 terminated normally (terminate svc issued)
Response Time: 376 CPU time: 13 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 862424, Job 439 terminated normally (terminate svc issued)
Response Time: 268 CPU time: 20 # I/O operations completed: 0

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I/O operations pending: 0

*** Clock: 863424, Job 435 terminated normally (terminate svc issued)
Dilation: 2.30 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

*** Clock: 866354, Job 440 terminated normally (terminate svc issued)
Dilation: 1.52 CPU time: 130 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 869304, Job 441 terminated normally (terminate svc issued)
Dilation: 2.32 CPU time: 150 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 873404, Job 442 terminated normally (terminate svc issued)
Dilation: 2.05 CPU time: 900 # I/O operations completed: 1
I/O operations pending: 0

*** Clock: 875036, Job 443 terminated abnormally (max cpu time exceeded)
Response Time: 180 CPU time: 32 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 876454, Job 444 terminated abnormally (max cpu time exceeded)
Response Time: 198 CPU time: 18 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 876714, Job 446 terminated normally (terminate svc issued)
Response Time: 418 CPU time: 60 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 882414, Job 445 terminated normally (terminate svc issued)
Dilation: 2.45 CPU time: 2500 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 882429, Job 449 terminated abnormally (max cpu time exceeded)
Response Time: 524 CPU time: 15 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 882843, Job 447 terminated normally (terminate svc issued)
Response Time: 6528 CPU time: 14 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 886497, Job 448 terminated normally (terminate svc issued)
Dilation: 2.44 CPU time: 3000 # I/O operations completed: 3
I/O operations pending: 0

outputSubmission.txt

*** Clock: 889136, Job 451 terminated normally (terminate svc issued)
Response Time: 431 CPU time: 21 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 895156, Job 453 terminated abnormally (max cpu time exceeded)
Response Time: 551 CPU time: 20 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 897756, Job 450 terminated normally (terminate svc issued)
Dilation: 2.96 CPU time: 4000 # I/O operations completed: 4
I/O operations pending: 0

*** Clock: 897756, Job 452 terminated normally (terminate svc issued)
Dilation: 3.23 CPU time: 2000 # I/O operations completed: 2
I/O operations pending: 0

*** Clock: 898167, Job 455 terminated normally (terminate svc issued)
Response Time: 2132 CPU time: 11 # I/O operations completed: 0
I/O operations pending: 0

*** Clock: 898367, Job 396 terminated normally (terminate svc issued)
Dilation: 2.42 CPU time: 50000 # I/O operations completed: 50
I/O operations pending: 0

*** Clock: 899194, Job 458 terminated normally (terminate svc issued)
Response Time: 280 CPU time: 9 # I/O operations completed: 0
I/O operations pending: 0

FINAL STATISTICS

* * * SYSTEM STATUS AT 900000 * * *
=====

CPU: job #457 running
Disk: idle
Drum: idle
Memory: 84 K words in use
Average dilation: 2.64
Average Response time: 8963.44

CORE MAP

Partition	Job	Partition	Job	Partition	Job	Partition	Job
0	456	25	456	50	457	75	0

outputSubmission.txt

1	456	26	456	51	457	76	0
2	456	27	456	52	457	77	0
3	456	28	456	53	457	78	0
4	456	29	456	54	457	79	0
5	456	30	456	55	457	80	0
6	456	31	456	56	457	81	0
7	456	32	456	57	457	82	0
8	456	33	456	58	457	83	0
9	456	34	456	59	457	84	0
10	456	35	456	60	457	85	0
11	456	36	456	61	457	86	0
12	456	37	456	62	457	87	454
13	456	38	456	63	457	88	454
14	456	39	456	64	457	89	454
15	456	40	456	65	457	90	454
16	456	41	456	66	457	91	454
17	456	42	456	67	457	92	454
18	456	43	456	68	457	93	454
19	456	44	456	69	457	94	454
20	456	45	456	70	457	95	454
21	456	46	456	71	457	96	454
22	456	47	457	72	457	97	0
23	456	48	457	73	457	98	0
24	456	49	457	74	0	99	0

JOBTABLE

Job#	Size	Time	CPUTime	MaxCPU	I/O's	Priority	Blocked	Latched	InCore	Term
		Arrived	Used	Time	Pending					
24	14	46798	12	18	1	1	yes	no	no	no
12	19	22349	138	550	1	1	yes	no	no	no
421	18	829458	12	23	1	2	yes	no	no	no
60	15	115694	24	14000	1	1	yes	no	no	no
84	14	165292	6	18	1	1	yes	no	no	no
25	17	46828	162	5300	1	2	yes	no	no	no
109	7	210439	6	21	1	2	yes	no	no	no
28	5	49707	42	7100	1	1	yes	no	no	no
288	8	563181	6	15	1	1	yes	no	no	no
34	10	66547	162	3500	1	1	yes	no	no	no
45	15	86326	228	40000	1	2	yes	no	no	no
236	21	461567	48	62	1	1	yes	no	no	no
37	27	66606	72	100	1	1	yes	no	no	no
87	23	165351	6	17	1	2	yes	no	no	no
47	10	86355	258	1300	1	2	yes	no	no	no
66	47	125834	318	65000	1	5	yes	no	no	no
67	27	125853	42	100	1	1	yes	no	no	no
69	14	131443	36	1500	1	2	yes	no	no	no
454	10	896005	1600	3500	0	1	no	no	yes	no
107	10	204849	72	1300	1	2	yes	no	no	no
213	8	420629	18	20	1	2	yes	no	no	no
137	10	264096	12	1300	1	2	yes	no	no	no
239	8	467176	12	15	1	2	yes	no	no	no
167	10	323343	126	1300	1	2	yes	no	no	no

outputSubmission.txt

216	47	422069	48	65000	1	5	yes	no	no	no
217	27	422088	30	100	1	1	yes	no	no	no
306	47	599810	138	65000	1	5	yes	no	no	no
253	23	499625	12	1400	1	2	yes	no	no	no
417	23	817068	12	17	1	2	yes	no	no	no
255	15	501055	12	40000	1	2	yes	no	no	no
367	27	718323	30	100	1	1	yes	no	no	no
257	10	501084	12	1300	1	2	yes	no	no	no
259	7	506674	12	21	1	2	yes	no	no	no
287	10	560331	72	1300	1	2	yes	no	no	no
307	27	599829	24	100	1	1	yes	no	no	no
377	10	738072	42	1300	1	2	yes	no	no	no
397	27	777570	54	100	1	1	yes	no	no	no
426	47	836798	72	65000	1	5	yes	no	no	no
437	10	856566	42	1300	1	2	yes	no	no	no
456	47	896045	800	65000	0	5	no	no	yes	no
457	27	896064	24	100	0	1	no	no	yes	no

Total jobs: 458 terminated: 417

% utilization CPU: 96.16 disk: 15.92 drum: 15.96 memory: 62.05