

Queue Analysis (Multistation Service Facility) (QAM)

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Assumptions

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Average Number of Arrivals per Hour:

Average Service Capacity per Hour:

Number of Service Stations:

Solutions

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Idle Time Percentage:

Utilization Percentage:

Average Service Time:

Expected Number in Queue:

Average Wait in Queue:

Instructions

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1) Enter Assumptions Goto A10

2) Recalculate by typing F-9

3) Save by typing {alt-s}

4) Print by typing {alt-p}

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Astrix Computer System

Sheet 1.1

75  
30  
3

Sheet 2.1

4.49%  
95.51%  
2.00 minutes  
4  
3 minutes

Sheet 3.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

1	2.5
2	3.125
6	0
24	0
120	0
720	0
5040	0
40320	0
362880	0
3628800	0
39916800	0
479001600	0
6227020800	0
87178291200	0
1307674368000	0
20922789888000	0
355687428096000	0
6402373705728000	0
1.21645100408832E+017	0
2.43290200817664E+018	0
5.10909421717094E+019	0
1.12400072777761E+021	0
2.5852016738885E+022	0
6.20448401733239E+023	0
1.5511210043331E+025	0
	5.625

## Sheet1

```
\0 {goto}a1~  
/fccemaclib~  
/rnlraa10..aa2048~  
{goto}ai1~/wcs8~  
{goto}aj1~/wcs1~  
{home}
```

```
\s /xfqam~page~r
```