

```

ZEXP      FUNCTION RN1,C24
0,0/.1,.104/.2,.222/.3,.355/.4,.509/.5,.69/.6,.915/.7,1.2/.75,1.38
.8,1.6/.84,1.83/.88,2.12/.9,2.3/.92,2.52/.94,2.81/.95,2.99/.96,3.2
.97,3.5/.98,3.9/.99,4.6/.995,5.3/.998,6.2/.999,7/.9998,8
ZFN4      FUNCTION RN7,D8
0,20/.25,20/.251,60/.5,60/.501,80/.75,80/.751,100/1,100
ZFN5      FUNCTION RN4,C11
0,0/.125,3/.25,9/.375,14/.5,20/.625,39/.69,44/.75,50/.875,62/.95,80/1,100

TAB1      TABLE M1,0,114,8
TAB2      TABLE M1,0,126,9

M_MPR     GENERATE 110, FN$ZEXP,,,3
          TRANSFER ,M_BPR
          GENERATE 110, FN$ZEXP,,,2
          TRANSFER ,M_SPR
          GENERATE 110, FN$ZEXP,,,1
          QUEUE QMPR
          SEIZE U1
          DEPART QMPR
          ADVANCE 17,15
          RELEASE U1
          SEIZE U2
          ADVANCE FN$ZFN4
          RELEASE U2
          SEIZE U3
          ADVANCE 50,8
          RELEASE U3
          SEIZE U4
          ADVANCE FN$ZFN5
          RELEASE U4
          TRANSFER ,R_MPR

M_SPR     QUEUE QSPR
          SEIZE U1
          DEPART QSPR
          ADVANCE 17,15
          RELEASE U1
          SEIZE U2
          ADVANCE FN$ZFN4
          RELEASE U2
          SEIZE U3
          ADVANCE 50,8
          RELEASE U3
          SEIZE U4
          ADVANCE FN$ZFN5
          RELEASE U4
          TRANSFER ,R_SPR

M_BPR     QUEUE QBPR
          SEIZE U1
          DEPART QBPR
          ADVANCE 17,15

```

ADVANCE 17, 15
RELEASE U1
SEIZE U2
ADVANCE FN\$ZFN4
RELEASE U2
SEIZE U3
ADVANCE 50, 8
RELEASE U3
SEIZE U4
ADVANCE FN\$ZFN5
RELEASE U4
TRANSFER , R_SPR

M_BPR
QUEUE QBPR
SEIZE U1
DEPART QBPR
ADVANCE 17, 15
RELEASE U1
SEIZE U2
ADVANCE FN\$ZFN4
RELEASE U2
SEIZE U3
ADVANCE 50, 8
RELEASE U3
SEIZE U4
ADVANCE FN\$ZFN5
RELEASE U4
TRANSFER , R_BPR

R_MPR
T1_M
TRANSFER . 17, T2_M, T1_M
TABULATE TAB1
TRANSFER , OUT_M
T2_M
TABULATE TAB2
TRANSFER , OUT_M

R_SPR
T1_S
TRANSFER . 17, T2_S, T1_S
TABULATE TAB1
TRANSFER , OUT_S
T2_S
TABULATE TAB2
TRANSFER , OUT_S

R_BPR
T1_B
TRANSFER . 17, T2_B, T1_B
TABULATE TAB1
TRANSFER , OUT_B
T2_B
TABULATE TAB2
TRANSFER , OUT_B

OUT_M
OUT_S
OUT_B
TERMINATE 1
TERMINATE 1
TERMINATE 1
START 100

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START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	6374.660	68	4	0

NAME	VALUE
M_BPR	36.000
M_MPR	6.000
M_SPR	21.000
OUT_B	68.000
OUT_M	66.000
OUT_S	67.000
QBPR	10008.000
QMPR	10011.000
QSPR	10005.000
R_BPR	61.000
R_MPR	51.000
R_SPR	56.000
T1_B	62.000
T1_M	52.000
T1_S	57.000
T2_B	64.000
T2_M	54.000
T2_S	59.000
TAB1	10003.000
TAB2	10004.000
U1	10006.000
U2	10007.000
U3	10009.000
U4	10010.000
ZEXP	10000.000
ZFN4	10001.000
ZFN5	10002.000

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT COUNT	RETRY
	1	GENERATE	51	0	0
	2	TRANSFER	51	0	0
	3	GENERATE	61	0	0
	4	TRANSFER	61	0	0
	5	GENERATE	62	0	0
M_MPR	6	QUEUE	62	0	0
	7	SEIZE	62	0	0
	8	DEPART	62	0	0
	9	ADVANCE	62	0	0
	10	RELEASE	62	56	0
	11	SEIZE	6	0	0

M_SPR	10	RELEASE	62	56	0
	11	SEIZE	6	0	0
	12	ADVANCE	6	0	0
	13	RELEASE	6	0	0
	14	SEIZE	6	0	0
	15	ADVANCE	6	0	0
	16	RELEASE	6	0	0
	17	SEIZE	6	0	0
	18	ADVANCE	6	0	0
	19	RELEASE	6	0	0
	20	TRANSFER	6	0	0
	21	QUEUE	61	0	0
	22	SEIZE	61	0	0
	23	DEPART	61	0	0
	24	ADVANCE	61	0	0
	25	RELEASE	61	16	0
	26	SEIZE	45	0	0
	27	ADVANCE	45	1	0
	28	RELEASE	44	0	0
	29	SEIZE	44	0	0
	30	ADVANCE	44	0	0
M_BPR	31	RELEASE	44	0	0
	32	SEIZE	44	0	0
	33	ADVANCE	44	0	0
	34	RELEASE	44	0	0
	35	TRANSFER	44	0	0
	36	QUEUE	51	0	0
	37	SEIZE	51	0	0
	38	DEPART	51	0	0
	39	ADVANCE	51	0	0
	40	RELEASE	51	0	0
	41	SEIZE	51	0	0
	42	ADVANCE	51	0	0
	43	RELEASE	51	0	0
	44	SEIZE	51	0	0
	45	ADVANCE	51	1	0
	46	RELEASE	50	0	0
	47	SEIZE	50	0	0
	48	ADVANCE	50	0	0
	49	RELEASE	50	0	0
	50	TRANSFER	50	0	0
R_MPR	51	TRANSFER	6	0	0
T1_M	52	TABULATE	0	0	0
T2_M	53	TRANSFER	0	0	0
	54	TABULATE	6	0	0
R_SPR	55	TRANSFER	6	0	0
	56	TRANSFER	44	0	0
T1_S	57	TABULATE	3	0	0
T2_S	58	TRANSFER	3	0	0
	59	TABULATE	41	0	0
R_BPR	60	TRANSFER	41	0	0
	61	TRANSFER	50	0	0
T1_B	62	TABULATE	9	0	0

T1_S	57	TABULATE	3	0	0
	58	TRANSFER	3	0	0
T2_S	59	TABULATE	41	0	0
	60	TRANSFER	41	0	0
R_BPR	61	TRANSFER	50	0	0
T1_B	62	TABULATE	9	0	0
	63	TRANSFER	9	0	0
T2_B	64	TABULATE	41	0	0
	65	TRANSFER	41	0	0
OUT_M	66	TERMINATE	6	0	0
OUT_S	67	TERMINATE	44	0	0
OUT_B	68	TERMINATE	50	0	0

FACILITY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY	DELAY
U1	174	0.469	17.170	1	0	0	0	0	0
U2	102	0.988	61.741	1	131	0	0	0	72
U3	101	0.786	49.582	1	170	0	0	0	0
U4	100	0.499	31.831	1	0	0	0	0	0

QUEUE	MAX	CONT.	ENTRY	ENTRY(0)	AVE.CONT.	AVE.TIME	AVE.(-0)	RETRY
QSPR	3	0	61	33	0.076	7.936	17.288	0
QBPR	2	0	51	30	0.041	5.076	12.327	0
QMPR	3	0	62	31	0.162	16.608	33.216	0

TABLE	MEAN	STD.DEV.	RANGE		RETRY	FREQUENCY	CUM.%
TAB1	342.043	238.963			0		
			114.000	-	228.000	6	50.00
			228.000	-	342.000	3	75.00
			342.000	-	456.000	1	83.33
			456.000	-	570.000	0	83.33
			570.000	-	684.000	0	83.33
			684.000	-		2	100.00
TAB2	443.238	252.723			0		
			0.000	-	126.000	1	1.14
			126.000	-	252.000	18	21.59
			252.000	-	378.000	31	56.82
			378.000	-	504.000	7	64.77
			504.000	-	630.000	11	77.27
			630.000	-	756.000	11	89.77
			756.000	-	882.000	4	94.32
			882.000	-		5	100.00

FEC	XN	PRI	BDT	ASSEM	CURRENT	NEXT	PARAMETER	VALUE
	175	2	6399.395	175	0	3		
	170	3	6404.533	170	45	46		
	131	2	6417.046	131	27	28		
	176	3	6420.411	176	0	1		
	177	1	6636.594	177	0	5		

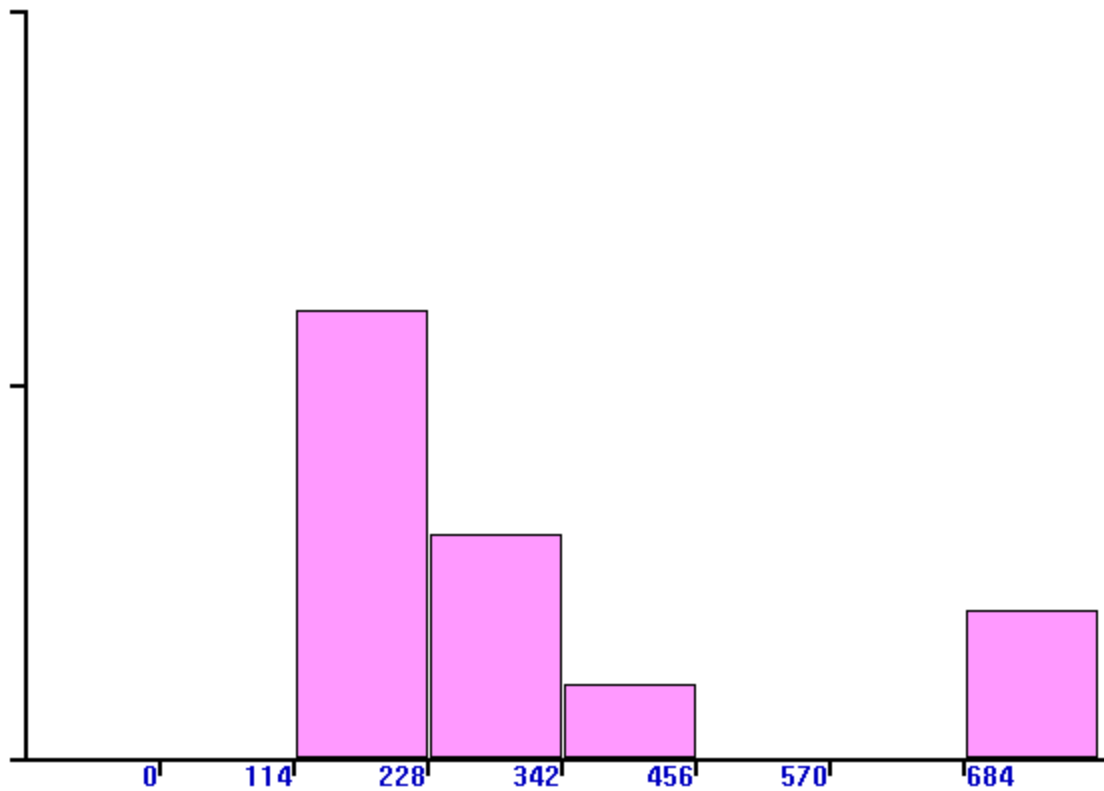
TAB1

Mean: 342.043

S.D.: 238.963

10

0



TAB2

Mean: 443.238

S.D.: 252.723

40

0

