```
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

GENERATE 110,FN$ZEXP,,,3
TRANSFER ,M_BPR
GENERATE 110,FN$ZEXP,,,2
TRANSFER ,M_SPR
GENERATE 110,FN$ZEXP,,,1
TRANSFER ,M_MPR

M_MPR 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
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 TRANSFER .17,T2_M,T1_M

T1_M TABULATE TAB1
TRANSFER ,OUT_M
T2_M TABULATE TAB2
TRANSFER ,OUT_M

R_SPR TRANSFER .17,T2_S,T1_S

T1_S TABULATE TAB1
TRANSFER ,OUT_S
T2_S TABULATE TAB2
TRANSFER ,OUT_S

R_BPR TRANSFER .17,T2_B,T1_B

T1_B TABULATE TAB1
TRANSFER ,OUT_B
T2_B TABULATE TAB2
TRANSFER ,OUT_B

OUT_M TERMINATE 1
OUT_S TERMINATE 1
OUT_B TERMINATE 1
START 100
```

Monday, April 17, 2023 12:03:30

START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	6374.660	69	4	0

NAME	VALUE
M_BPR	37.000
M_MPR	7.000
M_SPR	22.000
OUT_B	69.000
OUT_M	67.000
OUT_S	68.000
QBPR	10008.000
QMPR	10011.000
QSPR	10005.000
R_BPR	62.000
R_MPR	52.000
R_SPR	57.000
T1_B	63.000
T1_M	53.000
T1_S	58.000
T2_B	65.000
T2_M	55.000
T2_S	60.000
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
	6	TRANSFER	62	0	0
M_MPR	7	QUEUE	62	0	0
	8	SEIZE	62	0	0
	9	DEPART	62	0	0
	10	ADVANCE	62	0	0
	11	RELEASE	62	56	0
	12	SEIZE	6	0	0
	13	ADVANCE	6	0	0
	14	RELEASE	6	0	0
	15	SEIZE	6	0	0
	16	ADVANCE	6	0	0
	17	RELEASE	6	0	0
	18	SEIZE	6	0	0
	19	ADVANCE	6	0	0
	20	RELEASE	6	0	0
	21	TRANSFER	6	0	0
M_SPR	22	QUEUE	61	0	0
	23	SEIZE	61	0	0
	24	DEPART	61	0	0
	25	ADVANCE	61	0	0
	26	RELEASE	61	16	0
	27	SEIZE	45	0	0
	28	ADVANCE	45	1	0
	29	RELEASE	44	0	0
	30	SEIZE	44	0	0
	31	ADVANCE	44	0	0
	32	RELEASE	44	0	0
	33	SEIZE	44	0	0
	34	ADVANCE	44	0	0
	35	RELEASE	44	0	0
	36	TRANSFER	44	0	0

M_BPR	37	QUEUE	51	0	0
	38	SEIZE	51	0	0
	39	DEPART	51	0	0
	40	ADVANCE	51	0	0
	41	RELEASE	51	0	0
	42	SEIZE	51	0	0
	43	ADVANCE	51	0	0
	44	RELEASE	51	0	0
	45	SEIZE	51	0	0
	46	ADVANCE	51	1	0
	47	RELEASE	50	0	0
	48	SEIZE	50	0	0
	49	ADVANCE	50	0	0
	50	RELEASE	50	0	0
	51	TRANSFER	50	0	0
R_MPR	52	TRANSFER	6	0	0
T1_M	53	TABULATE	0	0	0
	54	TRANSFER	0	0	0
T2_M	55	TABULATE	6	0	0
	56	TRANSFER	6	0	0
R_SPR	57	TRANSFER	44	0	0
T1_S	58	TABULATE	3	0	0
	59	TRANSFER	3	0	0
T2_S	60	TABULATE	41	0	0
	61	TRANSFER	41	0	0
R_BPR	62	TRANSFER	50	0	0
T1_B	63	TABULATE	9	0	0
	64	TRANSFER	9	0	0
T2_B	65	TABULATE	41	0	0
	66	TRANSFER	41	0	0
OUT_M	67	TERMINATE	6	0	0
OUT_S	68	TERMINATE	44	0	0
OUT_B	69	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	46	47		
131	2	6417.046	131	28	29		
176	3	6420.411	176	0	1		
177	1	6636.594	177	0	5		

TAB1

Mean: 342.043   S.D.: 238.963
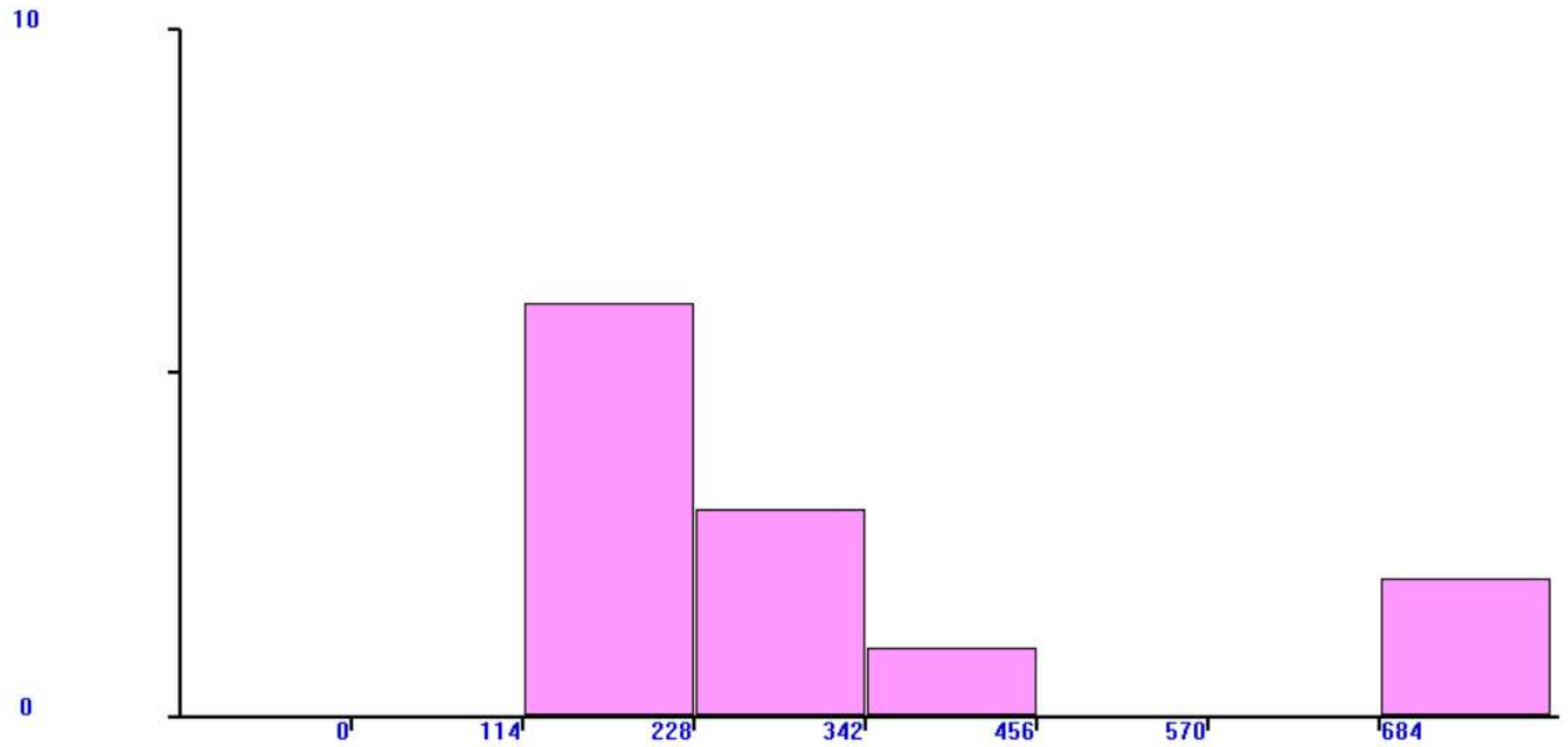
TAB2

Mean: 443.238   S.D.: 252.723