6.gps

```
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

TAB_1 TABLE M1,0,5,16
TAB_2 TABLE M1,0,2,20
      GENERATE 110,FN$ZEXP,,,3
      TRANSFER ,PT_HP
      GENERATE 110,FN$ZEXP,,,2
      TRANSFER ,PN_MP
      GENERATE 110,FN$ZEXP,,,1

      QUEUE QLPR
      TRANSFER .25,LTR2,LP_D1
LTR2  TRANSFER .333,LTR3,LP_D2
LTR3  TRANSFER .5,LP_D3,LP_D4

PN_MP QUEUE QMPR
      TRANSFER .25,MTR2,MP_D1
MTR2  TRANSFER .333,MTR3,MP_D2
MTR3  TRANSFER .5,MP_D3,MP_D4

PT_HP QUEUE QHPR
      TRANSFER .25,HTR2,HP_D1
HTR2  TRANSFER .333,HTR3,HP_D2
HTR3  TRANSFER .5,HP_D3,HP_D4

LP_D1 SEIZE DEV1
      DEPART QLPR
      ADVANCE 17,15
      RELEASE DEV1
      TRANSFER ,TRTAB
LP_D2 SEIZE DEV2
      DEPART QLPR
      ADVANCE ,FN$ZFN4
      RELEASE DEV2
      TRANSFER ,TRTAB
LP_D3 SEIZE DEV3
      DEPART QLPR
      ADVANCE 50,8
      RELEASE DEV3
      TRANSFER ,TRTAB
LP_D4 SEIZE DEV4
      DEPART QLPR
```

6.gps

```
LP_D4 SEIZE DEV4
      DEPART QLPR
      ADVANCE ,FN$ZFN5
      RELEASE DEV4
      TRANSFER ,TRTAB

MP_D1 SEIZE DEV1
      DEPART QMPR
      ADVANCE 17,15
      RELEASE DEV1
      TRANSFER ,TRTAB
MP_D2 SEIZE DEV2
      DEPART QMPR
      ADVANCE ,FN$ZFN4
      RELEASE DEV2
      TRANSFER ,TRTAB
MP_D3 SEIZE DEV3
      DEPART QMPR
      ADVANCE 50,8
      RELEASE DEV3
      TRANSFER ,TRTAB
MP_D4 SEIZE DEV4
      DEPART QMPR
      ADVANCE ,FN$ZFN5
      RELEASE DEV4
      TRANSFER ,TRTAB

HP_D1 SEIZE DEV1
      DEPART QHPR
      ADVANCE 17,15
      RELEASE DEV1
      TRANSFER ,TRTAB
HP_D2 SEIZE DEV2
      DEPART QHPR
      ADVANCE ,FN$ZFN4
      RELEASE DEV2
      TRANSFER ,TRTAB
HP_D3 SEIZE DEV3
      DEPART QHPR
      ADVANCE 50,8
      RELEASE DEV3
      TRANSFER ,TRTAB
HP_D4 SEIZE DEV4
      DEPART QHPR
      ADVANCE ,FN$ZFN5
      RELEASE DEV4
      TRANSFER ,TRTAB

TRTAB TRANSFER .23,TR_T2,TR_T1
```

```
TRTAB TRANSFER .23,TR_T2,TR_T1
TR_T1 TABULATE TAB_1
      TRANSFER ,OUT
TR_T2 TABULATE TAB_2
      TRANSFER ,OUT

OUT   TERMINATE 1
      START 100
```

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Thursday, April 06, 2023 14:41:24

START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	3524.967	83	4	0

NAME	VALUE
DEV1	10006.000
DEV2	10009.000
DEV3	10008.000
DEV4	10011.000
HP_D1	58.000
HP_D2	63.000
HP_D3	68.000
HP_D4	73.000
HTR2	16.000
HTR3	17.000
LP_D1	18.000
LP_D2	23.000
LP_D3	28.000
LP_D4	33.000
LTR2	8.000
LTR3	9.000
MP_D1	38.000
MP_D2	43.000
MP_D3	48.000
MP_D4	53.000
MTR2	12.000
MTR3	13.000
OUT	83.000
PN_MP	10.000
PT_HP	14.000
QHPR	10007.000
QLPR	10010.000
QMPR	10005.000
TAB_1	10003.000
TAB_2	10004.000
TRTAB	78.000
TR_T1	79.000
TR_T2	81.000
ZEXP	10000.000
ZFN4	10001.000
ZFN5	10002.000

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT COUNT	RETRY
	1	GENERATE	32	0	0

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT COUNT	RETRY
	1	GENERATE	32	0	0
	2	TRANSFER	32	0	0
	3	GENERATE	30	0	0
	4	TRANSFER	30	0	0
	5	GENERATE	38	0	0
	6	QUEUE	38	0	0
	7	TRANSFER	38	0	0
LTR2	8	TRANSFER	27	0	0
LTR3	9	TRANSFER	21	0	0
PN_MP	10	QUEUE	30	0	0
	11	TRANSFER	30	0	0
MTR2	12	TRANSFER	21	0	0
MTR3	13	TRANSFER	14	0	0
PT_HP	14	QUEUE	32	0	0
	15	TRANSFER	32	0	0
HTR2	16	TRANSFER	25	0	0
HTR3	17	TRANSFER	14	0	0
LP_D1	18	SEIZE	11	0	0
	19	DEPART	11	0	0
	20	ADVANCE	11	0	0
	21	RELEASE	11	0	0
	22	TRANSFER	11	0	0
LP_D2	23	SEIZE	6	0	0
	24	DEPART	6	0	0
	25	ADVANCE	6	0	0
	26	RELEASE	6	0	0
	27	TRANSFER	6	0	0
LP_D3	28	SEIZE	9	0	0
	29	DEPART	9	0	0
	30	ADVANCE	9	0	0
	31	RELEASE	9	0	0
	32	TRANSFER	9	0	0
LP_D4	33	SEIZE	12	0	0
	34	DEPART	12	0	0
	35	ADVANCE	12	0	0
	36	RELEASE	12	0	0
	37	TRANSFER	12	0	0
MP_D1	38	SEIZE	9	0	0
	39	DEPART	9	0	0
	40	ADVANCE	9	0	0
	41	RELEASE	9	0	0
	42	TRANSFER	9	0	0
MP_D2	43	SEIZE	7	0	0
	44	DEPART	7	0	0
	45	ADVANCE	7	0	0
	46	RELEASE	7	0	0
	47	TRANSFER	7	0	0
MP_D3	48	SEIZE	10	0	0
	49	DEPART	10	0	0

	46	RELEASE	7	0	0
	47	TRANSFER	7	0	0
MP_D3	48	SEIZE	10	0	0
	49	DEPART	10	0	0
	50	ADVANCE	10	0	0
	51	RELEASE	10	0	0
	52	TRANSFER	10	0	0
MP_D4	53	SEIZE	4	0	0
	54	DEPART	4	0	0
	55	ADVANCE	4	0	0
	56	RELEASE	4	0	0
	57	TRANSFER	4	0	0
HP_D1	58	SEIZE	7	0	0
	59	DEPART	7	0	0
	60	ADVANCE	7	0	0
	61	RELEASE	7	0	0
	62	TRANSFER	7	0	0
HP_D2	63	SEIZE	11	0	0
	64	DEPART	11	0	0
	65	ADVANCE	11	0	0
	66	RELEASE	11	0	0
	67	TRANSFER	11	0	0
HP_D3	68	SEIZE	8	0	0
	69	DEPART	8	0	0
	70	ADVANCE	8	0	0
	71	RELEASE	8	0	0
	72	TRANSFER	8	0	0
HP_D4	73	SEIZE	6	0	0
	74	DEPART	6	0	0
	75	ADVANCE	6	0	0
	76	RELEASE	6	0	0
	77	TRANSFER	6	0	0
TRTAB	78	TRANSFER	100	0	0
TR_T1	79	TABULATE	20	0	0
	80	TRANSFER	20	0	0
TR_T2	81	TABULATE	80	0	0
	82	TRANSFER	80	0	0
OUT	83	TERMINATE	100	0	0

FACILITY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY	DELAY
DEV1	27	0.142	18.602	1	0	0	0	0	0
DEV3	27	0.378	49.377	1	0	0	0	0	0
DEV2	24	0.000	0.000	1	0	0	0	0	0
DEV4	22	0.000	0.000	1	0	0	0	0	0

QUEUE	MAX	CONT.	ENTRY	ENTRY(0)	AVE.CONT.	AVE.TIME	AVE.(-0)	RETRY
QMPR	3	0	30	24	0.075	8.858	44.292	0
QHPR	2	0	32	30	0.020	2.148	34.371	0
QLPR	1	0	38	37	0.013	1.200	45.603	0

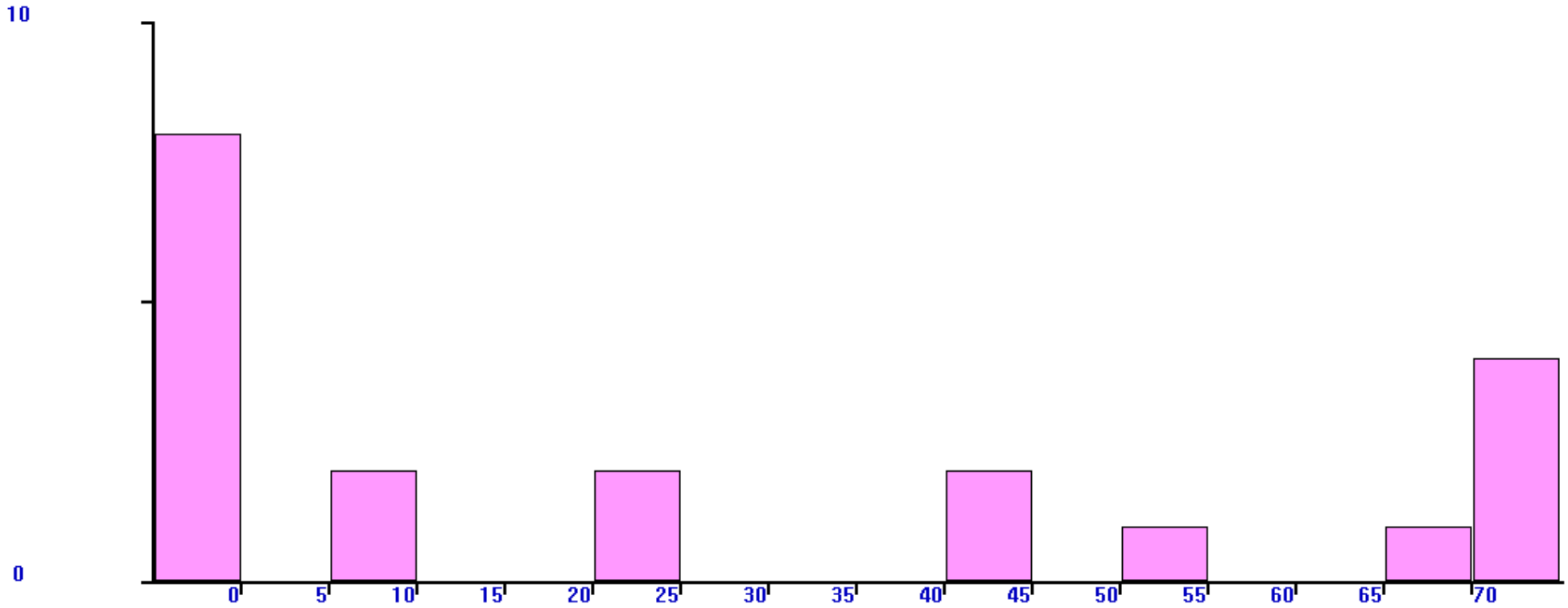
TABLE	MEAN	STD.DEV.	RANGE			RETRY	FREQUENCY	CUM.%
TAB_1	35.479	44.656				0		
			_	-	0.000		8	40.00
			0.000	-	5.000		0	40.00
			5.000	-	10.000		2	50.00
			10.000	-	15.000		0	50.00
			15.000	-	20.000		0	50.00
			20.000	-	25.000		2	60.00
			25.000	-	30.000		0	60.00
			30.000	-	35.000		0	60.00
			35.000	-	40.000		0	60.00
			40.000	-	45.000		2	70.00
			45.000	-	50.000		0	70.00
			50.000	-	55.000		1	75.00
			55.000	-	60.000		0	75.00
			60.000	-	65.000		0	75.00
			65.000	-	70.000		1	80.00
			70.000	-	_		4	100.00
TAB_2	18.824	23.696				0		
			_	-	0.000		38	47.50
			0.000	-	2.000		0	47.50
			2.000	-	4.000		0	47.50
			4.000	-	6.000		0	47.50
			6.000	-	8.000		5	53.75
			8.000	-	10.000		0	53.75
			10.000	-	12.000		2	56.25
			12.000	-	14.000		0	56.25
			14.000	-	16.000		0	56.25
			16.000	-	18.000		4	61.25
			18.000	-	20.000		1	62.50
			20.000	-	22.000		1	63.75
			22.000	-	24.000		3	67.50
			24.000	-	26.000		2	70.00
			26.000	-	28.000		0	70.00
			28.000	-	30.000		1	71.25
			30.000	-	32.000		3	75.00
			32.000	-	34.000		0	75.00
			34.000	-	36.000		0	75.00
			36.000	-	_		20	100.00

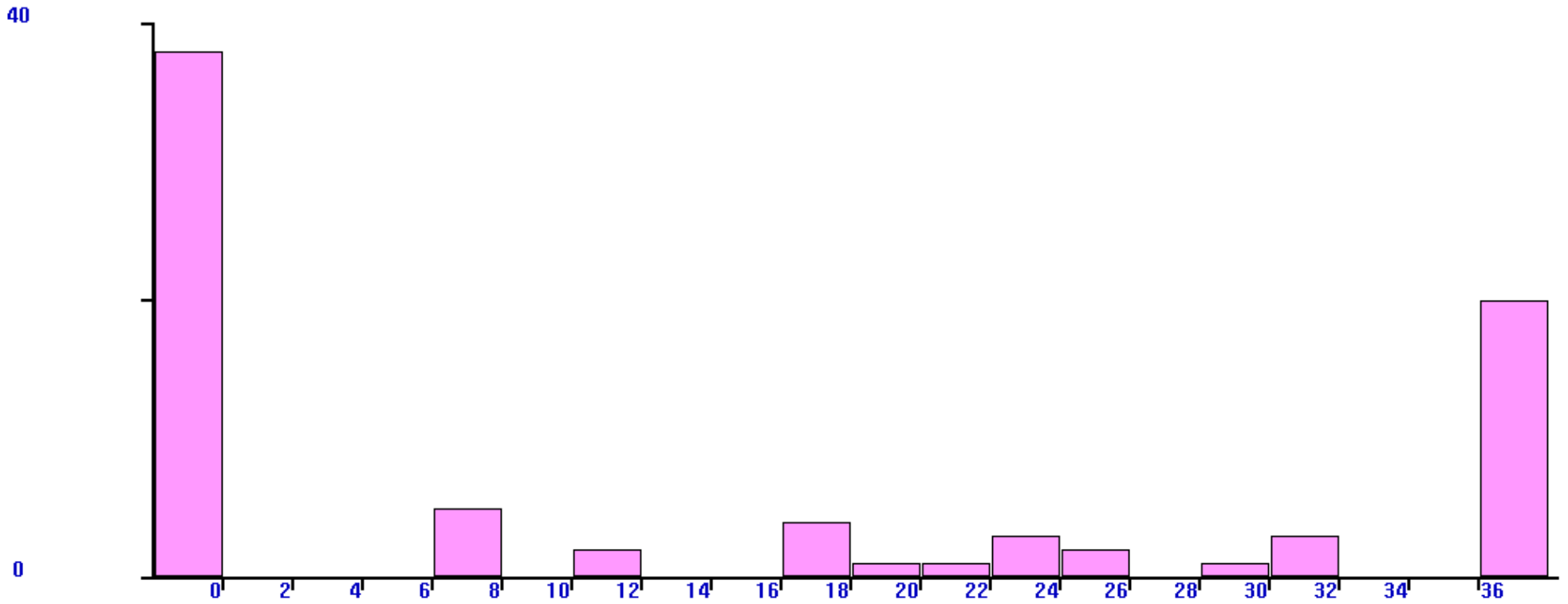
FEC XN	PRI	BDT	ASSEM	CURRENT	NEXT	PARAMETER	VALUE
103	1	3532.365	103	0	5		
96	3	3564.928	96	0	1		
97	2	3575.468	97	0	3		

6.10.sim:2 - TABLE WINDOW

TAB_1

Mean: 35.479 S.D.: 44.656



TAB_2

Mean: 18.824 S.D.: 23.696