```
7.gps
SNORM    FUNCTION RN1,C25
0,-5/.00003,-4/.00135,-3/.00621,-2.5/.02275,-2/.06681,-1.5/.11507,-1.2/.15866,-1
.21186,-.8/.27425,-.6/.34458,-.4/.42074,-.2/.5,0/.57926,.2/.65542,.4
.72575,.6/.78814,.8/.84134,1/.88493,1.2/.93319,1.5
.97725,2/.99379,2.5/.99865,3/.99997,4/1,5
         INITIAL X1,20
         INITIAL X2,3
PN_EQ    EQU SQR(9)
PN_F2    VARIABLE (SQR(4)+2^3+1)
PN_F4    FVARIABLE FN$SNORM#5+31

SHFT1    STORAGE 4
SHFT2    STORAGE 3

         GENERATE 8,4,,100
         TEST L C1,360,SFT2
         SPLIT 1,SP_R1
         SEIZE 1
         ADVANCE X1,X2
         RELEASE 1
         TRANSFER ,OUTR1
SP_R1    SPLIT 2,PN_R2
         SEIZE 2
         ADVANCE X1,X2
         RELEASE 2
         TRANSFER ,OUTR1
PN_R2    SEIZE 3
         ADVANCE X1,X2
         RELEASE 3
OUTR1    ASSEMBLE 3
         ASSIGN 13,8
         ENTER SHFT1
CYCL_S1  ADVANCE V$PN_F2
         LOOP 13,CYCL_S1
         LEAVE SHFT1
         TRANSFER ,TERM
```

```
SFT2      SPLIT 1,SP_R2
          SEIZE 1
          ADVANCE PN_EQ
          RELEASE 1
          TRANSFER ,OUTR2
SP_R2     SPLIT 2,PN_R3
          SEIZE 2
          ADVANCE PN_EQ
          RELEASE 2
          TRANSFER ,OUTR2
PN_R3     SEIZE 3
          ADVANCE PN_EQ
          RELEASE 3
OUTR2     ASSEMBLE 3
          ASSIGN 100,7
          ENTER SHFT2
CYCL_S2   ADVANCE V$PN_F4
          LOOP 100,CYCL_S2
          LEAVE SHFT2

TERM      TERMINATE 1
          START 100
```

```
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        START TIME           END TIME  BLOCKS  FACILITIES  STORAGES
          0.000             5896.690    42        3           2


        NAME                        VALUE
        CYCL_S1                    19.000
        CYCL_S2                    39.000
        OUTR1                      16.000
        OUTR2                      36.000
        PN_EQ                       3.000
        PN_F2                   10002.000
        PN_F4                   10003.000
        PN_R2                      13.000
        PN_R3                      33.000
        SFT2                       23.000
        SHFT1                   10004.000
        SHFT2                   10005.000
        SNORM                   10000.000
        SP_R1                       8.000
        SP_R2                      28.000
        TERM                       42.000


LABEL           LOC  BLOCK TYPE     ENTRY COUNT  CURRENT COUNT RETRY
                 1   GENERATE          100          0          0
                 2   TEST              100          0          0
                 3   SPLIT              44          0          0
                 4   SEIZE              44          0          0
                 5   ADVANCE            44          0          0
                 6   RELEASE            44          0          0
                 7   TRANSFER           44          0          0
SP_R1            8   SPLIT              44          0          0
                 9   SEIZE              44          0          0
                10   ADVANCE            44          0          0
                11   RELEASE            44          0          0
                12   TRANSFER           44          0          0
PN_R2           13   SEIZE              88          0          0
                14   ADVANCE            88          0          0
                15   RELEASE            88          0          0
OUTR1           16   ASSEMBLE          176         44          0
                17   ASSIGN             44          0          0
                18   ENTER              44          0          0
CYCL_S1         19   ADVANCE           352          0          0
                20   LOOP              352          0          0
                21   LEAVE              44          0          0
```

	20	LOOP	392	0	0
	21	LEAVE	44	0	0
	22	TRANSFER	44	0	0
SFT2	23	SPLIT	56	0	0
	24	SEIZE	56	0	0
	25	ADVANCE	56	0	0
	26	RELEASE	56	0	0
	27	TRANSFER	56	0	0
SP_R2	28	SPLIT	56	0	0
	29	SEIZE	56	0	0
	30	ADVANCE	56	0	0
	31	RELEASE	56	0	0
	32	TRANSFER	56	0	0
PN_R3	33	SEIZE	112	0	0
	34	ADVANCE	112	0	0
	35	RELEASE	112	0	0
OUTR2	36	ASSEMBLE	224	56	0
	37	ASSIGN	56	0	0
	38	ENTER	56	0	0
CYCL_S2	39	ADVANCE	392	0	0
	40	LOOP	392	0	0
	41	LEAVE	56	0	0
TERM	42	TERMINATE	100	0	0

FACILITY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY	DELAY
1	100	0.177	10.449	1	0	0	0	0	0
2	100	0.178	10.498	1	0	0	0	0	0
3	200	0.353	10.393	1	0	0	0	0	0

STORAGE	CAP.	REM.	MIN.	MAX.	ENTRIES	AVL.	AVE.C.	UTIL.	RETRY	DELAY
SHFT1	4	4	0	3	44	1	0.657	0.164	0	0
SHFT2	3	3	0	3	56	1	2.069	0.690	0	0

SAVEVALUE	RETRY	VALUE
1	0	20.000
2	0	3.000