| START TIME | END TIME | BLOCKS | FACILITIES | STORAGES |
|---|---|---|---|---|
| 0.000 | 150000.000 | 29 | 3 | 1 |

| NAME | VALUE |
|---|---|
| A11 | 10002.000 |
| A2 | 10003.000 |
| A3 | 10006.000 |
| CPU1 | 10004.000 |
| CPU2 | 10005.000 |
| DISK | 10007.000 |
| MEM | 10000.000 |
| MET1 | 8.000 |
| MET2 | 13.000 |
| MET3 | 17.000 |
| MET4 | 18.000 |
| MET5 | 24.000 |
| MET6 | 6.000 |
| POTERI | 26.000 |
| VIHOD | 27.000 |
| ZEXP | 10001.000 |

| LABEL | LOC | BLOCK TYPE | ENTRY COUNT | CURRENT COUNT | RETRY |
|---|---|---|---|---|---|
|  | 1 | GENERATE | 500 | 0 | 0 |
|  | 2 | TEST | 500 | 0 | 0 |
|  | 3 | QUEUE | 174 | 0 | 0 |
|  | 4 | ENTER | 174 | 0 | 0 |
|  | 5 | DEPART | 174 | 0 | 0 |
| MET6 | 6 | QUEUE | 422 | 0 | 0 |
|  | 7 | TRANSFER | 422 | 0 | 0 |
| MET1 | 8 | SEIZE | 197 | 0 | 0 |
|  | 9 | DEPART | 197 | 0 | 0 |
|  | 10 | ADVANCE | 197 | 0 | 0 |
|  | 11 | RELEASE | 197 | 0 | 0 |
|  | 12 | TRANSFER | 197 | 0 | 0 |
| MET2 | 13 | SEIZE | 225 | 0 | 0 |
|  | 14 | DEPART | 225 | 0 | 0 |
|  | 15 | ADVANCE | 225 | 0 | 0 |
|  | 16 | RELEASE | 225 | 0 | 0 |
| MET3 | 17 | TRANSFER | 422 | 0 | 0 |
| MET4 | 18 | QUEUE | 248 | 0 | 0 |
|  | 19 | SEIZE | 248 | 0 | 0 |
|  | 20 | DEPART | 248 | 0 | 0 |
|  | 21 | ADVANCE | 248 | 0 | 0 |
|  | 22 | RELEASE | 248 | 0 | 0 |
|  | 23 | TRANSFER | 248 | 0 | 0 |
| MET5 | 24 | LEAVE | 174 | 0 | 0 |
|  | 25 | TRANSFER | 174 | 0 | 0 |
| POTERI | 26 | TERMINATE | 326 | 0 | 0 |
| VIHOD | 27 | TERMINATE | 174 | 0 | 0 |
|  | 28 | GENERATE | 500 | 0 | 0 |
|  | 29 | TERMINATE | 500 | 0 | 0 |

```
MEM STORAGE 8
ZEXP FUNCTION RN1,C12
0,0/.2,.22/.4,.51/.5,.69/.6,.92/.7,1.2/.8,1.61
.9,2.3/.95,3/.99,4.6/.999,6.9/1,100
      GENERATE 2,FN$ZEXP,,500
      TEST L Q$A11,5,POTERI
      QUEUE A11
      ENTER MEM,1
      DEPART A11
MET6  QUEUE A2
      TRANSFER BOTH,MET1,MET2
MET1  SEIZE CPU1
      DEPART A2
      ADVANCE 5,FN$ZEXP
      RELEASE CPU1
      TRANSFER ,MET3
MET2  SEIZE CPU2
      DEPART A2
      ADVANCE 1,FN$ZEXP
      RELEASE CPU2
MET3  TRANSFER .6,MET5,MET4
MET4  QUEUE A3
      SEIZE DISK
      DEPART A3
      ADVANCE 5,3
      RELEASE DISK
      TRANSFER ,MET6
MET5  LEAVE MEM,1
      TRANSFER ,VIHOD

POTERI TERMINATE
VIHOD TERMINATE
      GENERATE 300
      TERMINATE 1
      START 500
```

| FACILITY | ENTRIES | UTIL. | AVE. TIME | AVAIL. | OWNER | PEND | INTER | RETRY | DELAY |
|---|---|---|---|---|---|---|---|---|---|
| CPU1 | 150 | 0.578 | 5.335 | 1 | 0 | 0 | 0 | 0 | 0 |
| DISK | 212 | 0.761 | 4.973 | 1 | 0 | 0 | 0 | 0 | 0 |
| CPU2 | 190 | 0.146 | 1.063 | 1 | 0 | 0 | 0 | 0 | 0 |

| QUEUE | MAX | CONT. | ENTRY | ENTRY(0) | AVE.CONT. | AVE.TIME | AVE.(-0) | RETRY |
|---|---|---|---|---|---|---|---|---|
| A11 | 5 | 0 | 128 | 10 | 3.024 | 32.718 | 35.490 | 0 |
| A2 | 2 | 0 | 340 | 327 | 0.014 | 0.056 | 1.475 | 0 |
| A3 | 7 | 0 | 212 | 4 | 4.286 | 27.992 | 28.530 | 0 |

| STORAGE | CAP. | REM. | MIN. | MAX. | ENTRIES | AVL. | AVE.C. | UTIL. | RETRY | DELAY |
|---|---|---|---|---|---|---|---|---|---|---|
| MEM | 8 | 8 | 0 | 8 | 128 | 1 | 5.785 | 0.723 | 0 | 0 |

| FEC XN | PRI | BDT | ASSEM | CURRENT | NEXT | PARAMETER | VALUE |
|---|---|---|---|---|---|---|---|
| 1001 | 0 | 1386.916 | 1001 | 0 | 28 |  |  |

ZEXP FUNCTION RN1,C12

0,0/.2,.22/.4,.51/.5,.69/.6,.92/.7,1.2/.8,1.61

.9,2.3/.95,3/.99,4.6/.999,6.9/1,500

GENERATE 6,FN$ZEXP


TRANSFER .2,MET2,MET1

MET2 TRANSFER .25,MET4,MET3

```
MET4 TRANSFER .333,MET6,MET5

MET6 TRANSFER .5,MET8,MET7


MET1 TEST L Q$OCH1,5,OUT

QUEUE OCH1

SEIZE DISK1

DEPART OCH1

ASSIGN 1,DISK1

ADVANCE 25,25

TRANSFER ,MET9


MET3 TEST L Q$OCH2,5,OUT

QUEUE OCH2

SEIZE DISK2

DEPART OCH2

ASSIGN 1,DISK2

ADVANCE 25,25

TRANSFER ,MET9


MET5 TEST L Q$OCH3,5,OUT

QUEUE OCH3

SEIZE DISK3

DEPART OCH3

ASSIGN 1,DISK3

ADVANCE 25,25

TRANSFER ,MET9


MET7 TEST L Q$OCH4,5,OUT

QUEUE OCH4

SEIZE DISK4

DEPART OCH4

ASSIGN 1,DISK4
```

```
        ADVANCE 25,25

        TRANSFER ,MET9


MET8 TEST L Q$OCH5,5,OUT

        QUEUE OCH5

        SEIZE DISK5

        DEPART OCH5

        ASSIGN 1,DISK5

        ADVANCE 25,25

        TRANSFER ,MET9


MET9 QUEUE OCH6

        SEIZE CAN

        DEPART OCH6

        ADVANCE 1,7

        RELEASE CAN

        RELEASE P1

        TERMINATE

OUT TERMINATE


        GENERATE 150000

        TERMINATE 1

        START 1
```

```
 GPWSS.8.1 - REPORT                                                    _ |□

             START TIME              END TIME   BLOCKS  FACILITIES   STORAGES
                 0.000             150000.000      50        6            0


                 NAME                    VALUE
            CAN                       10006.000
            DISK1                     10012.000
            DISK2                     10004.000
            DISK3                     10010.000
            DISK4                     10002.000
            DISK5                     10008.000
            MET1                          6.000
            MET2                          3.000
            MET3                         13.000
            MET4                          4.000
            MET5                         20.000
            MET6                          5.000
            MET7                         27.000
            MET8                         34.000
            MET9                         41.000
            OCH1                      10011.000
            OCH2                      10003.000
            OCH3                      10009.000
            OCH4                      10001.000
            OCH5                      10007.000
            OCH6                      10005.000
            OUT                          48.000
            ZEXP                      10000.000


    LABEL             LOC   BLOCK TYPE     ENTRY COUNT  CURRENT COUNT  RETRY
                       1    GENERATE         19829           0           0
                       2    TRANSFER         19829           0           0
    MET2               3    TRANSFER         15904           0           0
    MET4               4    TRANSFER         11894           0           0
    MET6               5    TRANSFER          8001           0           0
    MET1               6    TEST              3925           0           0
                       7    QUEUE             3697           2           0
                       8    SEIZE             3695           0           0
                       9    DEPART            3695           0           0
                      10    ASSIGN            3695           0           0
                      11    ADVANCE           3695           1           0
                      12    TRANSFER          3694           0           0
    MET3              13    TEST              4010           0           0
                      14    QUEUE             3767           4           0
                      15    SEIZE             3763           0           0
```

|        |    |           |       |   |   |
|--------|----|-----------|-------|---|---|
|        | 15 | SEIZE     | 3763  | 0 | 0 |
|        | 16 | DEPART    | 3763  | 0 | 0 |
|        | 17 | ASSIGN    | 3763  | 0 | 0 |
|        | 18 | ADVANCE   | 3763  | 1 | 0 |
|        | 19 | TRANSFER  | 3762  | 0 | 0 |
| MET5   | 20 | TEST      | 3893  | 0 | 0 |
|        | 21 | QUEUE     | 3707  | 3 | 0 |
|        | 22 | SEIZE     | 3704  | 0 | 0 |
|        | 23 | DEPART    | 3704  | 0 | 0 |
|        | 24 | ASSIGN    | 3704  | 0 | 0 |
|        | 25 | ADVANCE   | 3704  | 1 | 0 |
|        | 26 | TRANSFER  | 3703  | 0 | 0 |
| MET7   | 27 | TEST      | 3990  | 0 | 0 |
|        | 28 | QUEUE     | 3776  | 0 | 0 |
|        | 29 | SEIZE     | 3776  | 0 | 0 |
|        | 30 | DEPART    | 3776  | 0 | 0 |
|        | 31 | ASSIGN    | 3776  | 0 | 0 |
|        | 32 | ADVANCE   | 3776  | 0 | 0 |
|        | 33 | TRANSFER  | 3776  | 0 | 0 |
| MET8   | 34 | TEST      | 4011  | 0 | 0 |
|        | 35 | QUEUE     | 3765  | 2 | 0 |
|        | 36 | SEIZE     | 3763  | 0 | 0 |
|        | 37 | DEPART    | 3763  | 0 | 0 |
|        | 38 | ASSIGN    | 3763  | 0 | 0 |
|        | 39 | ADVANCE   | 3763  | 1 | 0 |
|        | 40 | TRANSFER  | 3762  | 0 | 0 |
| MET9   | 41 | QUEUE     | 18697 | 0 | 0 |
|        | 42 | SEIZE     | 18697 | 0 | 0 |
|        | 43 | DEPART    | 18697 | 0 | 0 |
|        | 44 | ADVANCE   | 18697 | 0 | 0 |
|        | 45 | RELEASE   | 18697 | 0 | 0 |
|        | 46 | RELEASE   | 18697 | 0 | 0 |
|        | 47 | TERMINATE | 18697 | 0 | 0 |
| OUT    | 48 | TERMINATE | 1117  | 0 | 0 |
|        | 49 | GENERATE  | 1     | 0 | 0 |
|        | 50 | TERMINATE | 1     | 0 | 0 |

| FACILITY | ENTRIES | UTIL. | AVE. TIME | AVAIL. | OWNER | PEND | INTER | RETRY | DELAY |
|----------|---------|-------|-----------|--------|-------|------|-------|-------|-------|
| DISK4    | 3776    | 0.670 | 26.603    | 1      | 0     | 0    | 0     | 0     | 0     |
| DISK2    | 3763    | 0.682 | 27.177    | 1      | 19798 | 0    | 0     | 0     | 4     |
| CAN      | 18697   | 0.212 | 1.700     | 1      | 0     | 0    | 0     | 0     | 0     |
| DISK5    | 3763    | 0.679 | 27.047    | 1      | 19814 | 0    | 0     | 0     | 2     |
| DISK3    | 3704    | 0.664 | 26.900    | 1      | 19825 | 0    | 0     | 0     | 3     |
| DISK1    | 3695    | 0.667 | 27.057    | 1      | 19818 | 0    | 0     | 0     | 2     |

| QUEUE | MAX | CONT. | ENTRY | ENTRY(0) | AVE.CONT. | AVE.TIME | AVE.(-0) | RETRY |
|-------|-----|-------|-------|----------|-----------|----------|----------|-------|
| OCH4  | 5   | 0     | 3776  | 676      | 1.267     | 50.311   | 61.282   | 0     |
| OCH2  | 5   | 4     | 3767  | 636      | 1.273     | 50.706   | 61.006   | 0     |
| OCH6  | 3   | 0     | 18697 | 14758    | 0.026     | 0.212    | 1.008    | 0     |
| OCH5  | 5   | 2     | 3765  | 712      | 1.329     | 52.937   | 65.283   | 0     |
| OCH3  | 5   | 3     | 3707  | 759      | 1.160     | 46.949   | 59.036   | 0     |
| OCH1  | 5   | 2     | 3697  | 732      | 1.231     | 49.963   | 62.298   | 0     |

| FEC XN | PRI | BDT        | ASSEM | CURRENT | NEXT | PARAMETER | VALUE      |
|--------|-----|------------|-------|---------|------|-----------|------------|
| 19825  | 0   | 150001.363 | 19825 | 25      | 26   | 1         | 10010.000  |
| 19831  | 0   | 150003.063 | 19831 | 0       | 1    |           |            |
| 19798  | 0   | 150007.054 | 19798 | 18      | 19   | 1         | 10004.000  |
| 19814  | 0   | 150007.494 | 19814 | 39      | 40   | 1         | 10008.000  |
| 19818  | 0   | 150020.841 | 19818 | 11      | 12   | 1         | 10012.000  |
| 19832  | 0   | 300000.000 | 19832 | 0       | 49   |           |            |