Вариант 7 ПРЗ 3

Задание 2

```
K2          STORAGE 2
K4          STORAGE 3
K5          STORAGE 4


            GENERATE 7,5
            TRANSFER .5,KK1,KK2

KK1         TEST L Q$QU1,5,COUNTER
            QUEUE QU1
            SEIZE K1
            DEPART QU1
            ADVANCE 25,6
            RELEASE K1
            TRANSFER ,OUT1

KK2         TEST L Q$QU2,5,COUNTER
            QUEUE QU2
            ENTER K2
            DEPART QU2
            ADVANCE 15,6
            LEAVE K2

OUT1        TRANSFER .5,KK3,KK4

KK3         TEST L Q$QU3,5,COUNTER
            QUEUE QU3
            SEIZE K3
            DEPART QU3
            ADVANCE 15,6
            RELEASE K3
            TRANSFER ,OUT2

KK4         TEST L Q$QU4,5,COUNTER
            QUEUE QU4
            ENTER K4
            DEPART QU4
            ADVANCE 15,4
            LEAVE K4

OUT2        TEST L Q$QU5,5,COUNTER
            QUEUE QU5
            ENTER K5
            DEPART QU5
            ADVANCE 10,3
            LEAVE K5

OUT3        TERMINATE
            GENERATE 720
            TERMINATE 1
            START 3
COUNTER     TERMINATE
```

GPSS World Simulation Report - prz_3,1.9.1

Thursday, April 27, 2023 00:39:15

START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	2160.000	39	2	3

```
                NAME                        VALUE
         COUNTER                             39.000
         K1                               10005.000
         K2                               10000.000
         K3                               10007.000
         K4                               10001.000
         K5                               10002.000
         KK1                                  3.000
         KK2                                 10.000
         KK3                                 17.000
         KK4                                 24.000
         OUT1                                16.000
         OUT2                                30.000
         OUT3                                36.000
         QU1                              10004.000
         QU2                              10003.000
         QU3                              10006.000
         QU4                              10009.000
         QU5                              10008.000
```

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT COUNT	RETRY
	1	GENERATE	313	0	0
	2	TRANSFER	313	0	0
KK1	3	TEST	160	0	0
	4	QUEUE	92	4	0
	5	SEIZE	88	0	0
	6	DEPART	88	0	0
	7	ADVANCE	88	1	0
	8	RELEASE	87	0	0
	9	TRANSFER	87	0	0
KK2	10	TEST	153	0	0
	11	QUEUE	153	0	0
	12	ENTER	153	0	0
	13	DEPART	153	0	0
	14	ADVANCE	153	0	0
	15	LEAVE	153	0	0
OUT1	16	TRANSFER	240	0	0
KK3	17	TEST	120	0	0
	18	QUEUE	120	5	0
	19	SEIZE	115	0	0
	20	DEPART	115	0	0
	21	ADVANCE	115	1	0
	22	RELEASE	114	0	0
	23	TRANSFER	114	0	0
KK4	24	TEST	120	0	0
	25	QUEUE	120	0	0
	26	ENTER	120	0	0
	27	DEPART	120	0	0
	28	ADVANCE	120	0	0
	29	LEAVE	120	0	0
OUT2	30	TEST	234	0	0
	31	QUEUE	234	0	0
	32	ENTER	234	0	0
	33	DEPART	234	0	0
	34	ADVANCE	234	1	0
	35	LEAVE	233	0	0
OUT3	36	TERMINATE	233	0	0
	37	GENERATE	3	0	0
	38	TERMINATE	3	0	0
COUNTER	39	TERMINATE	68	0	0

```
FACILITY           ENTRIES  UTIL.   AVE. TIME AVAIL. OWNER PEND INTER RETRY
DELAY
 K1                 88       0.991      24.316 1      298   0    0     0
4
 K3                 115      0.801      15.050 1      287   0    0     0
5


QUEUE              MAX CONT. ENTRY ENTRY(0) AVE.CONT. AVE.TIME   AVE.(-0)
RETRY
 QU2                 2    0    153      123    0.057      0.810       4.129   0
 QU1                 5    4     92        1    4.366    102.517     103.644   0
 QU3                 5    5    120       29    0.818     14.717      19.407   0
 QU5                 1    0    234      234    0.000      0.000       0.000   0
 QU4                 1    0    120      120    0.000      0.000       0.000   0


STORAGE            CAP. REM. MIN. MAX.  ENTRIES AVL.  AVE.C. UTIL. RETRY
DELAY
 K2                 2    2    0    2      153    1    1.048  0.524   0      0
 K4                 3    3    0    3      120    1    0.845  0.282   0      0
 K5                 4    3    0    4      234    1    1.076  0.269   0      0


FEC XN    PRI        BDT      ASSEM  CURRENT  NEXT  PARAMETER    VALUE
   305    0      2161.384     305      34     35
   287    0      2161.851     287      21     22
   317    0      2163.005     317       0      1
   298    0      2189.498     298       7      8
   318    0      2880.000     318       0     37
```

Задание 1.1

```
K2        STORAGE 2
K4        STORAGE 3
K5        STORAGE 4

          GENERATE 7,5
          TRANSFER .5,KK1,KK2

KK1       QUEUE QU1
          SEIZE K1
          DEPART QU1
          ADVANCE 25,6
          RELEASE K1
          TRANSFER ,OUT1

KK2       QUEUE QU2
          ENTER K2
          DEPART QU2
          ADVANCE 15,6
          LEAVE K2

OUT1      TRANSFER .5,KK3,KK4

KK3       QUEUE QU3
          SEIZE K3
          DEPART QU3
          ADVANCE 15,6
          RELEASE K3
          TRANSFER ,OUT2

KK4       QUEUE QU4
```

```
            ENTER K4
            DEPART QU4
            ADVANCE 15,4
            LEAVE K4

OUT2        QUEUE QU5
            ENTER K5
            DEPART QU5
            ADVANCE 10,3
            LEAVE K5

OUT3        TERMINATE 1
            START 500
```

GPSS World Simulation Report - prz_3,1.10.1

Thursday, April 27, 2023 00:42:40

START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	4586.376	31	2	3

NAME	VALUE
K1	10005.000
K2	10000.000
K3	10007.000
K4	10001.000
K5	10002.000
KK1	3.000
KK2	9.000
KK3	15.000
KK4	21.000
OUT1	14.000
OUT2	26.000
OUT3	31.000
QU1	10004.000
QU2	10003.000
QU3	10006.000
QU4	10009.000
QU5	10008.000

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT COUNT	RETRY
	1	GENERATE	656	0	0
	2	TRANSFER	656	0	0
KK1	3	QUEUE	338	153	0
	4	SEIZE	185	0	0
	5	DEPART	185	0	0
	6	ADVANCE	185	1	0
	7	RELEASE	184	0	0
	8	TRANSFER	184	0	0
KK2	9	QUEUE	318	0	0
	10	ENTER	318	0	0
	11	DEPART	318	0	0
	12	ADVANCE	318	0	0
	13	LEAVE	318	0	0
OUT1	14	TRANSFER	502	0	0
KK3	15	QUEUE	255	1	0
	16	SEIZE	254	0	0
	17	DEPART	254	0	0
	18	ADVANCE	254	1	0

	19	RELEASE	253	0	0
	20	TRANSFER	253	0	0
KK4	21	QUEUE	247	0	0
	22	ENTER	247	0	0
	23	DEPART	247	0	0
	24	ADVANCE	247	0	0
	25	LEAVE	247	0	0
OUT2	26	QUEUE	500	0	0
	27	ENTER	500	0	0
	28	DEPART	500	0	0
	29	ADVANCE	500	0	0
	30	LEAVE	500	0	0
OUT3	31	TERMINATE	500	0	0

FACILITY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY DELAY
K1	185	0.996	24.682	1	356	0	0	0 153
K3	254	0.819	14.787	1	653	0	0	0 1

QUEUE	MAX	CONT.	ENTRY	ENTRY(0)	AVE.CONT.	AVE.TIME	AVE.(-0)	RETRY
QU2	2	0	318	264	0.043	0.617	3.635	0
QU1	153	153	338	1	79.233	1075.126	1078.316	0
QU3	6	1	255	55	1.061	19.085	24.334	0
QU5	1	0	500	500	0.000	0.000	0.000	0
QU4	1	0	247	246	0.000	0.002	0.413	0

STORAGE	CAP.	REM.	MIN.	MAX.	ENTRIES	AVL.	AVE.C.	UTIL.	RETRY	DELAY
K2	2	2	0	2	318	1	1.026	0.513	0	0
K4	3	3	0	3	247	1	0.815	0.272	0	0
K5	4	4	0	4	500	1	1.080	0.270	0	0

FEC XN	PRI	BDT	ASSEM	CURRENT	NEXT	PARAMETER	VALUE
657	0	4588.646	657	0	1		
653	0	4590.515	653	18	19		
356	0	4592.682	356	6	7		

Задание 1.2

```
K2        STORAGE 2
K4        STORAGE 3
K5        STORAGE 4

          GENERATE 7,5
          TRANSFER .5,KK1,KK2

KK1       QUEUE QU1
          SEIZE K1
          DEPART QU1
          ADVANCE 25,6
          RELEASE K1
          TRANSFER ,OUT1

KK2       QUEUE QU2
          ENTER K2
```

```
                DEPART QU2
                ADVANCE 15,6
                LEAVE K2

OUT1            TRANSFER .5,KK3,KK4

KK3             QUEUE QU3
                SEIZE K3
                DEPART QU3
                ADVANCE 15,6
                RELEASE K3
                TRANSFER ,OUT2

KK4             QUEUE QU4
                ENTER K4
                DEPART QU4
                ADVANCE 15,4
                LEAVE K4

OUT2            QUEUE QU5
                ENTER K5
                DEPART QU5
                ADVANCE 10,3
                LEAVE K5

OUT3            TERMINATE
                GENERATE 480
                TERMINATE 1
```