

Задание 1

```
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      8,6,,500
      TEST L Q$A11,5,SCHET
      QUEUE         A11
      ENTER         MEM,1
      DEPART        A11
MET6     QUEUE         A2
      TRANSFER      BOTH,MET1,MET2
MET1     SEIZE        CPU1
      DEPART        A2
      ADVANCE       4,FN$ZEXP
      RELEASE       CPU1
      TRANSFER      ,MET3
MET2     SEIZE        CPU2
      DEPART        A2
      ADVANCE       2,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
      TERMINATE     1
      START         500
SCHET    TERMINATE 1
```

Отчет

GPSS World Simulation Report - PRZ5_1.10.1

Thursday, March 30, 2023 13:48:06

START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	4082.461	26	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
SCHET	26.000

ZEXP

10001.000

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT	COUNT	RETRY
	1	GENERATE	500		0	0
	2	TEST	500		0	0
	3	QUEUE	489		0	0
	4	ENTER	489		0	0
	5	DEPART	489		0	0
MET6	6	QUEUE	1243		0	0
	7	TRANSFER	1243		0	0
MET1	8	SEIZE	705		0	0
	9	DEPART	705		0	0
	10	ADVANCE	705		0	0
	11	RELEASE	705		0	0
	12	TRANSFER	705		0	0
MET2	13	SEIZE	538		0	0
	14	DEPART	538		0	0
	15	ADVANCE	538		0	0
	16	RELEASE	538		0	0
MET3	17	TRANSFER	1243		0	0
MET4	18	QUEUE	754		0	0
	19	SEIZE	754		0	0
	20	DEPART	754		0	0
	21	ADVANCE	754		0	0
	22	RELEASE	754		0	0
	23	TRANSFER	754		0	0
MET5	24	LEAVE	489		0	0
	25	TERMINATE	489		0	0
SCHET	26	TERMINATE	11		0	0

FACILITY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY
DELAY								
CPU1	705	0.635	3.679	1	0	0	0	0
0								
CPU2	538	0.262	1.986	1	0	0	0	0
0								
DISK	754	0.924	5.002	1	0	0	0	0
0								

QUEUE	MAX	CONT.	ENTRY	ENTRY (0)	AVE.CONT.	AVE.TIME	AVE. (-0)
RETRY							
A11	5	0	489	339	0.784	6.544	21.333 0
A2	3	0	1243	1119	0.043	0.140	1.403 0
A3	7	0	754	51	3.467	18.774	20.136 0

STORAGE	CAP.	REM.	MIN.	MAX.	ENTRIES	AVL.	AVE.C.	UTIL.	RETRY
DELAY									
MEM	8	8	0	8	489	1	5.331	0.666	0 0

Задание 2

```

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      6,FN$ZEXP
      TRANSFER      .2,POINT1_TR,POINT1_TD
POINT1_TR TRANSFER .25,POINT2_TR,POINT2_TD
POINT2_TR TRANSFER .333,POINT3_TR,POINT3_TD

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POINT3_TR  TRANSFER      .5,POINT4_TD,POINT5_TD
POINT1_TD  TEST L Q$A11,5,SCHET
    QUEUE      A11
    SEIZE      DISK1
    DEPART     A11
    ASSIGN     1,DISK1
    ADVANCE    25,25
    TRANSFER   ,OUT
POINT2_TD  TEST L Q$A2,5,SCHET
    QUEUE      A2
    SEIZE      DISK2
    DEPART     A2
    ASSIGN     1,DISK2
    ADVANCE    25,25
    TRANSFER   ,OUT
POINT3_TD  TEST L Q$A3,5,SCHET
    QUEUE      A3
    SEIZE      DISK3
    DEPART     A3
    ASSIGN     1,DISK3
    ADVANCE    25,25
    TRANSFER   ,OUT
POINT4_TD  TEST L Q$A4,5,SCHET
    QUEUE      A4
    SEIZE      DISK4
    DEPART     A4
    ASSIGN     1,DISK4
    ADVANCE    25,25
    TRANSFER   ,OUT
POINT5_TD  TEST L Q$A5,5,SCHET
    QUEUE      A5
    SEIZE      DISK5
    DEPART     A5
    ASSIGN     1,DISK5
    ADVANCE    25,25
OUT  QUEUE A6
    SEIZE CAN
    DEPART     A6
    ADVANCE    1.7
    RELEASE    CAN
    RELEASE    P1
    TERMINATE
    GENERATE   150000
    TERMINATE  1
    START      1
SCHET TERMINATE

```

Отчет

GPSS World Simulation Report - Untitled Model 1.8.1

Thursday, March 30, 2023 14:50:20

START TIME	END TIME	BLOCKS	FACILITIES	STORAGES
0.000	150000.000	49	6	0

NAME	VALUE
A11	10011.000
A2	10003.000
A3	10009.000

A4	10007.000
A5	10001.000
A6	10005.000
CAN	10006.000
DISK1	10012.000
DISK2	10004.000
DISK3	10010.000
DISK4	10008.000
DISK5	10002.000
OUT	40.000
POINT1_TD	6.000
POINT1_TR	3.000
POINT2_TD	13.000
POINT2_TR	4.000
POINT3_TD	20.000
POINT3_TR	5.000
POINT4_TD	27.000
POINT5_TD	34.000
SCHET	49.000
ZEXP	10000.000

LABEL	LOC	BLOCK TYPE	ENTRY COUNT	CURRENT	COUNT	RETRY
	1	GENERATE	23055		0	0
	2	TRANSFER	23055		0	0
POINT1_TR	3	TRANSFER	18534		0	0
POINT2_TR	4	TRANSFER	13879		0	0
POINT3_TR	5	TRANSFER	9346		0	0
POINT1_TD	6	TEST	4521		0	0
	7	QUEUE	4278		0	0
	8	SEIZE	4278		0	0
	9	DEPART	4278		0	0
	10	ASSIGN	4278		0	0
	11	ADVANCE	4278		1	0
	12	TRANSFER	4277		0	0
POINT2_TD	13	TEST	4655		0	0
	14	QUEUE	4390		3	0
	15	SEIZE	4387		0	0
	16	DEPART	4387		0	0
	17	ASSIGN	4387		0	0
	18	ADVANCE	4387		1	0
	19	TRANSFER	4386		0	0
POINT3_TD	20	TEST	4533		0	0
	21	QUEUE	4295		0	0
	22	SEIZE	4295		0	0
	23	DEPART	4295		0	0
	24	ASSIGN	4295		0	0
	25	ADVANCE	4295		0	0
	26	TRANSFER	4295		0	0
POINT4_TD	27	TEST	4662		0	0
	28	QUEUE	4423		0	0
	29	SEIZE	4423		0	0
	30	DEPART	4423		0	0
	31	ASSIGN	4423		0	0
	32	ADVANCE	4423		1	0
	33	TRANSFER	4422		0	0
POINT5_TD	34	TEST	4684		0	0
	35	QUEUE	4393		0	0
	36	SEIZE	4393		0	0
	37	DEPART	4393		0	0
	38	ASSIGN	4393		0	0
	39	ADVANCE	4393		1	0
OUT	40	QUEUE	21772		0	0
	41	SEIZE	21772		0	0

	42	DEPART	21772	0	0
	43	ADVANCE	21772	0	0
	44	RELEASE	21772	0	0
	45	RELEASE	21772	0	0
	46	TERMINATE	21772	0	0
	47	GENERATE	1	0	0
	48	TERMINATE	1	0	0
SCHET	49	TERMINATE	1276	0	0

FACILITY DELAY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY
DISK5	4393	0.787	26.886	1	23054	0	0	0
DISK2	4387	0.792	27.073	1	23049	0	0	0
CAN	21772	0.247	1.700	1	0	0	0	0
DISK4	4423	0.785	26.636	1	23056	0	0	0
DISK3	4295	0.773	27.000	1	0	0	0	0
DISK1	4278	0.769	26.963	1	23053	0	0	0

QUEUE RETRY	MAX	CONT.	ENTRY	ENTRY(0)	AVE.CONT.	AVE.TIME	AVE.(-0)
A5	5	0	4393	797	1.522	51.966	63.484 0
A2	5	3	4390	790	1.478	50.491	61.572 0
A6	3	0	21772	17228	0.031	0.213	1.022 0
A4	5	0	4423	855	1.469	49.811	61.747 0
A3	5	0	4295	894	1.396	48.768	61.587 0
A11	5	0	4278	933	1.336	46.829	59.891 0

FEC XN	PRI	BDT	ASSEM	CURRENT	NEXT	PARAMETER	VALUE
23057	0	150004.746	23057	0	1		
23056	0	150005.982	23056	32	33	1	10008.000
23049	0	150030.063	23049	18	19	1	10004.000
23053	0	150030.231	23053	11	12	1	10012.000
23054	0	150042.946	23054	39	40	1	10002.000
23058	0	300000.000	23058	0	47		