Задание 1

Untitled Model 2

```
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 6,2,,500
TEST L Q$A11,5,STK
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
STK TERMINATE 1
START 500
```

Untitled Model 2.1.1 - REPORT

```
              GPSS World Simulation Report - Untitled Model 2.1.1


                   Tuesday, May 23, 2023 20:50:18

           START TIME           END TIME  BLOCKS  FACILITIES  STORAGES
                0.000           3118.664    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
          STK                             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              424             0       0
                    4    ENTER              424             0       0
                    5    DEPART             424             0       0
MET6                6    QUEUE             1058             0       0
                    7    TRANSFER          1058             0       0
MET1                8    SEIZE              556             0       0
                    9    DEPART             556             0       0
                   10    ADVANCE            556             0       0
                   11    RELEASE            556             0       0
                   12    TRANSFER           556             0       0
MET2               13    SEIZE              502             0       0
```


Untitled Model 2

```
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 6,2,,500
TEST L Q$A11,5,STK
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
STK TERMINATE 1
START 500
```


Untitled Model 2.1.1 - REPORT

```
                    1    GENERATE           500             0       0
                    2    TEST               500             0       0
                    3    QUEUE              424             0       0
                    4    ENTER              424             0       0
                    5    DEPART             424             0       0
MET6                6    QUEUE             1058             0       0
                    7    TRANSFER          1058             0       0
MET1                8    SEIZE              556             0       0
                    9    DEPART             556             0       0
                   10    ADVANCE            556             0       0
                   11    RELEASE            556             0       0
                   12    TRANSFER           556             0       0
MET2               13    SEIZE              502             0       0
                   14    DEPART             502             0       0
                   15    ADVANCE            502             0       0
                   16    RELEASE            502             0       0
MET3               17    TRANSFER          1058             0       0
MET4               18    QUEUE              634             0       0
                   19    SEIZE              634             0       0
                   20    DEPART             634             0       0
                   21    ADVANCE            634             0       0
                   22    RELEASE            634             0       0
                   23    TRANSFER           634             0       0
MET5               24    LEAVE              424             0       0
                   25    TERMINATE          424             0       0
STK                26    TERMINATE           76             0       0


FACILITY         ENTRIES  UTIL.   AVE. TIME AVAIL. OWNER PEND INTER RETRY DELAY
 CPU1              556    0.726      4.074  1        0    0    0     0      0
 CPU2              502    0.342      2.122  1        0    0    0     0      0
 DISK              634    0.976      4.799  1        0    0    0     0      0


QUEUE              MAX CONT. ENTRY ENTRY(0) AVE.CONT. AVE.TIME   AVE.(-0) RETRY
 A11                 5    0    424    167     2.145     15.779     26.032   0
 A2                  3    0   1058    918     0.093      0.274      2.069   0
 A3                  7    0    634      9     4.750     23.365     23.701   0


STORAGE            CAP. REM. MIN. MAX.  ENTRIES AVL.  AVE.C. UTIL. RETRY DELAY
 MEM                 8    8    0    8      424   1    6.886  0.861    0     0
```

Задание 2

Untitled Model 1

```
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
POINT3_TR TRANSFER .5,POINT4_TD,POINT5_TD

POINT1_TD TEST L Q$A11,5,STK
QUEUE A11
SEIZE DISK1
DEPART A11
ASSIGN 1,DISK1
ADVANCE 25,25
TRANSFER ,OUT

POINT2_TD TEST L Q$A2,5,STK
QUEUE A2
SEIZE DISK2
DEPART A2
ASSIGN 1,DISK2
ADVANCE 25,25
TRANSFER ,OUT

POINT3_TD TEST L Q$A3,5,STK
QUEUE A3
SEIZE DISK3
DEPART A3
ASSIGN 1,DISK3
ADVANCE 25,25
TRANSFER ,OUT

POINT4_TD TEST L Q$A4,5,STK
QUEUE A4
SEIZE DISK4
DEPART A4
ASSIGN 1,DISK4
ADVANCE 25,25
TRANSFER ,OUT

POINT5_TD TEST L Q$A5,5,STK
```

Untitled Model 1

```
QUEUE A2
SEIZE DISK2
DEPART A2
ASSIGN 1,DISK2
ADVANCE 25,25
TRANSFER ,OUT

POINT3_TD TEST L Q$A3,5,STK
QUEUE A3
SEIZE DISK3
DEPART A3
ASSIGN 1,DISK3
ADVANCE 25,25
TRANSFER ,OUT

POINT4_TD TEST L Q$A4,5,STK
QUEUE A4
SEIZE DISK4
DEPART A4
ASSIGN 1,DISK4
ADVANCE 25,25
TRANSFER ,OUT

POINT5_TD TEST L Q$A5,5,STK
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
STK TERMINATE
GENERATE 150000
TERMINATE 1
START 1
```

Untitled Model 1

```
QUEUE A2
SEIZE DISK2
DEPART A2
ASSIGN 1,DISK2
ADVANCE 25,25
TRANSFER ,OUT

POINT3_TD TEST L Q$A3,5,STK
QUEUE A3
SEIZE DISK3
DEPART A3
ASSIGN 1,DISK3
ADVANCE 25,25
TRANSFER ,OUT

POINT4_TD TEST L Q$A4,5,STK
QUEUE A4
SEIZE DISK4
DEPART A4
ASSIGN 1,DISK4
ADVANCE 25,25
TRANSFER ,OUT

POINT5_TD TEST L Q$A5,5,STK
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
STK TERMINATE
GENERATE 150000
TERMINATE 1
START 1
```

Untitled Model 1.6.1 - REPORT

GPSS World Simulation Report - Untitled Model 1.6.1

Tuesday, May 23, 2023 21:31:41

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
STK	47.000
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

Untitled Model 1

```
QUEUE A2
SEIZE DISK2
DEPART A2
ASSIGN 1,DISK2
ADVANCE 25,25
TRANSFER ,OUT

POINT3_TD TEST L Q$A3,5,STK
QUEUE A3
SEIZE DISK3
DEPART A3
ASSIGN 1,DISK3
ADVANCE 25,25
TRANSFER ,OUT

POINT4_TD TEST L Q$A4,5,STK
QUEUE A4
SEIZE DISK4
DEPART A4
ASSIGN 1,DISK4
ADVANCE 25,25
TRANSFER ,OUT

POINT5_TD TEST L Q$A5,5,STK
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
STK TERMINATE
GENERATE 150000
TERMINATE 1
START 1
```

Untitled Model 1.6.1 - REPORT

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

Untitled Model 1

```
QUEUE A2
SEIZE DISK2
DEPART A2
ASSIGN 1,DISK2
ADVANCE 25,25
TRANSFER ,OUT

POINT3_TD TEST L Q$A3,5,STK
QUEUE A3
SEIZE DISK3
DEPART A3
ASSIGN 1,DISK3
ADVANCE 25,25
TRANSFER ,OUT

POINT4_TD TEST L Q$A4,5,STK
QUEUE A4
SEIZE DISK4
DEPART A4
ASSIGN 1,DISK4
ADVANCE 25,25
TRANSFER ,OUT

POINT5_TD TEST L Q$A5,5,STK
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
STK TERMINATE
GENERATE 150000
TERMINATE 1
START 1
```

Untitled Model 1.6.1 - REPORT

	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
STK	47	TERMINATE	1276	0	0
	48	GENERATE	1	0	0
	49	TERMINATE	1	0	0

FACILITY	ENTRIES	UTIL.	AVE. TIME	AVAIL.	OWNER	PEND	INTER	RETRY	DELAY
DISK5	4393	0.787	26.886	1	23054	0	0	0	0
DISK2	4387	0.792	27.073	1	23049	0	0	0	3
CAN	21772	0.247	1.700	1	0	0	0	0	0
DISK4	4423	0.785	26.636	1	23056	0	0	0	0
DISK3	4295	0.773	27.000	1	0	0	0	0	0
DISK1	4278	0.769	26.963	1	23053	0	0	0	0

QUEUE	MAX	CONT.	ENTRY	ENTRY(0)	AVE.CONT.	AVE.TIME	AVE.(-0)	RETRY
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	48		