

### Занятие №3

## Исследование характеристик ИС, обрабатывающих заявки по заданной технологии

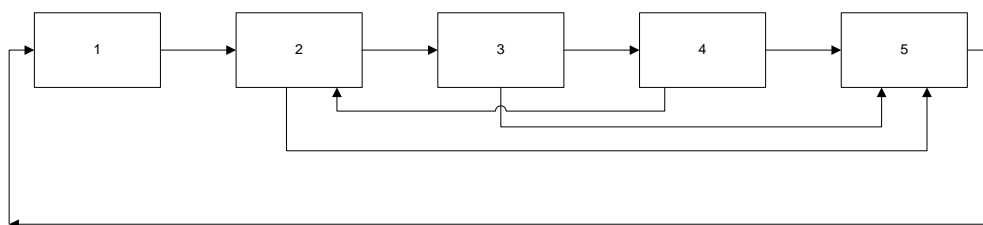
### Варианты заданий для самоконтроля

Рассчитать характеристики системы.

Номер варианта определяется как запись типа «X/Y», где X – номер выбранного процесса обработки заданий и Y – номер таблицы элементов и операций.

#### 1. Процессы обработки заданий:

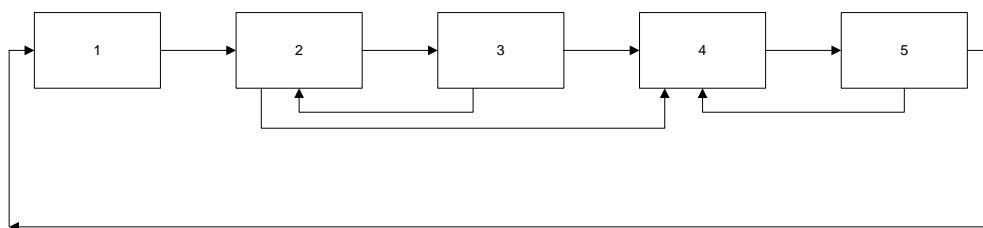
№1



$P_{12}=1; P_{23}=0.2; P_{34}=0.2; P_{45}=0.6; P_{51}=1; P_{42}=0.5; P_{35}=0.8; P_{25}=0.8.$

$T_1=4; T_2=2; T_3=9; T_4=3; T_5=1.$

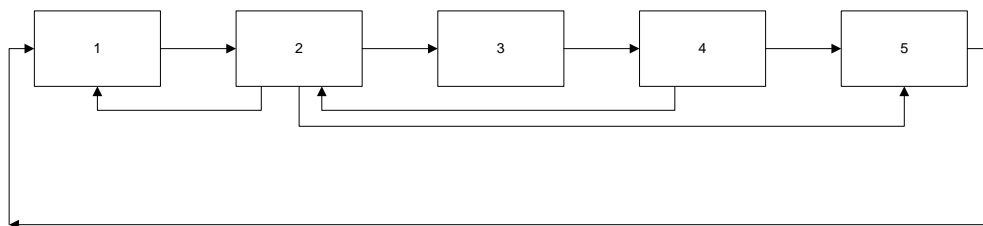
№2



$P_{12}=1; P_{23}=0.5; P_{34}=0.9; P_{45}=1; P_{51}=0.6; P_{54}=0.4; P_{32}=0.1; P_{24}=0.5.$

$T_1=1.5; T_2=1; T_3=1; T_4=6; T_5=2.$

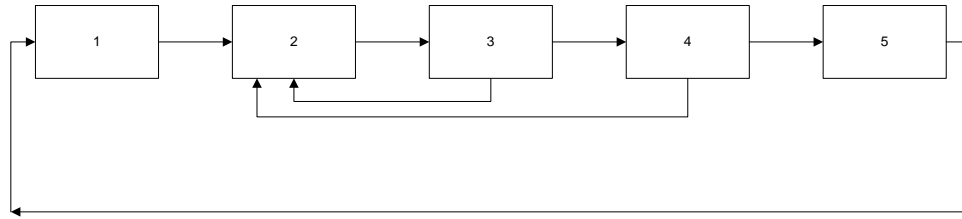
№3



$P_{12}=1; P_{23}=0.2; P_{34}=1; P_{45}=0.5; P_{51}=1; P_{42}=0.5; P_{21}=0.4; P_{25}=0.4.$

$T_1=1; T_2=3; T_3=1; T_4=4; T_5=1.$

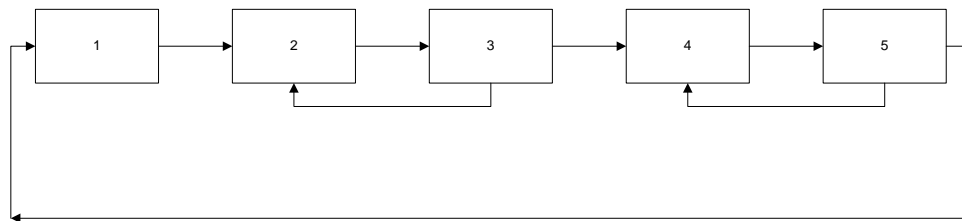
№4



$P_{12}=1; P_{23}=1; P_{34}=0.6; P_{45}=0.8; P_{32}=0.4; P_{42}=0.2.$

$T_1=4; T_2=2; T_3=9; T_4=3; T_5=1.$

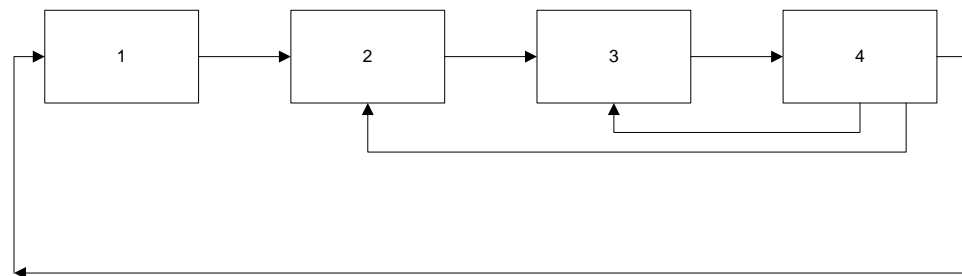
№5



$P_{12}=1; P_{23}=1; P_{34}=0.5; P_{45}=1; P_{51}=0.9; P_{54}=0.1; P_{32}=0.5.$

$T_1=5; T_2=6; T_3=1; T_4=4; T_5=3.$

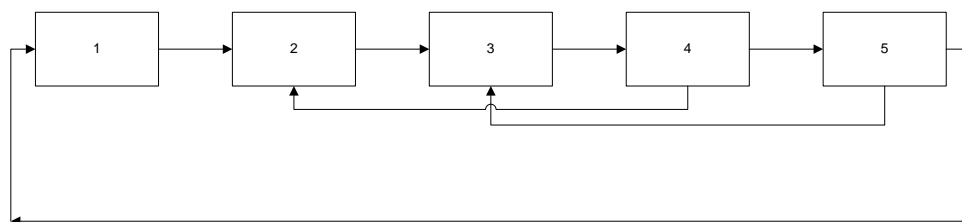
№6



$P_{12}=1; P_{23}=1; P_{34}=1; P_{41}=0.7; P_{42}=0.2; P_{43}=0.1.$

$T_1=6; T_2=1; T_3=3; T_4=1.$

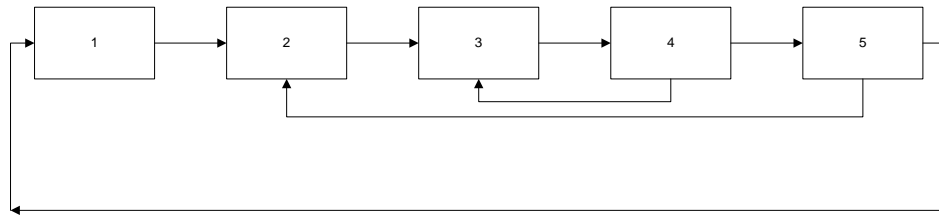
№7



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.6; P_{42}=0.4; P_{53}=0.2.$

$T_1=1.5; T_2=1; T_3=1; T_4=6; T_5=2.$

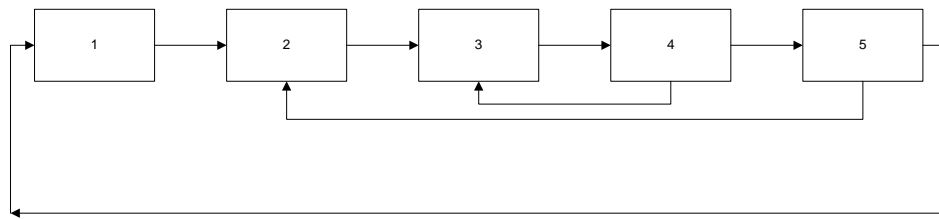
№8



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.7; P_{43}=0.3; P_{52}=0.1; P_{51}=0.9.$

$T_1=1; T_2=3; T_3=1; T_4=4; T_5=1.$

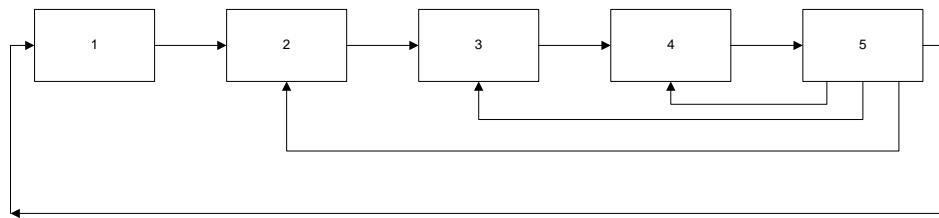
№9



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.5; P_{52}=0.3; P_{51}=0.7; P_{43}=0.5.$

$T_1=3; T_2=1; T_3=1; T_4=3; T_5=2.$

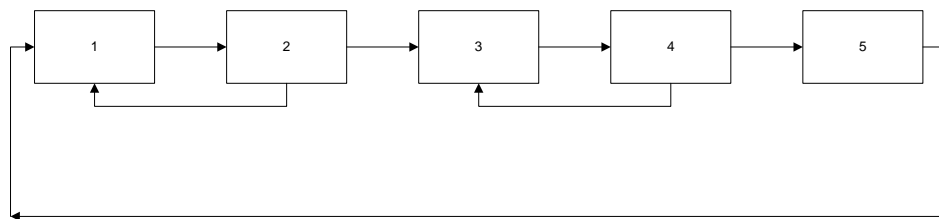
№10



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=1; P_{51}=0.6; P_{52}=0.2; P_{53}=0.1; P_{54}=0.1.$

$T_1=1; T_2=2; T_3=3; T_4=4; T_5=5.$

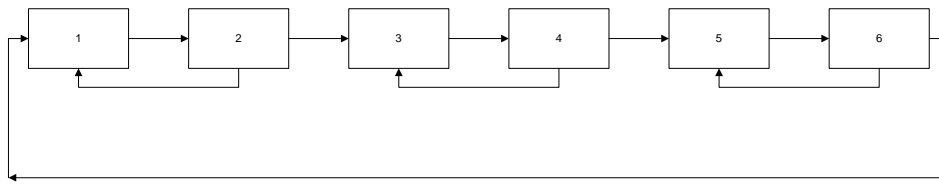
№11



$P_{12}=1; P_{23}=0.5; P_{34}=1; P_{45}=0.5; P_{43}=0.5; P_{21}=0.5.$

$T_1=1; T_2=2; T_3=1; T_4=3; T_5=2.$

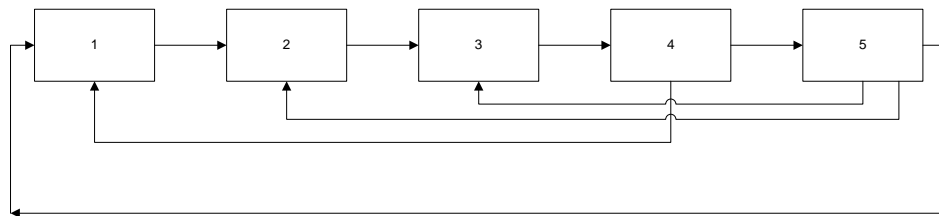
№12



$P_{12}=1; P_{23}=0.6; P_{34}=1; P_{45}=0.7; P_{56}=1; P_{61}=0.8; P_{65}=0.2; P_{43}=0.3; P_{21}=0.4.$

$T_1=2; T_2=3; T_3=2; T_4=1; T_5=2; T_6=2.5.$

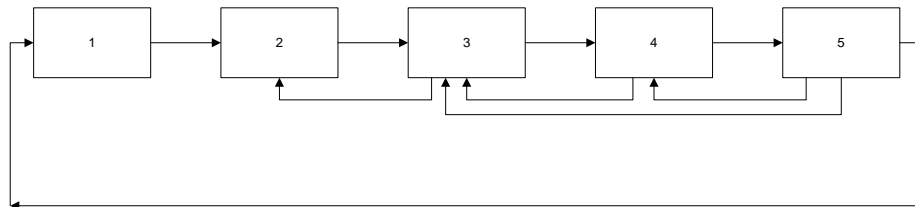
№13



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.6; P_{51}=0.7; P_{52}=0.2; P_{53}=0.1; P_{41}=0.4.$

$T_1=5; T_2=1.5; T_3=3.5; T_4=4; T_5=1.$

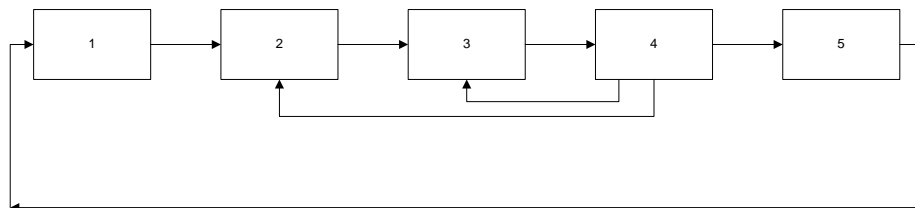
№14



$P_{12}=1; P_{23}=1; P_{34}=0.5; P_{45}=0.6; P_{51}=0.7; P_{53}=0.1; P_{54}=0.2; P_{43}=0.4; P_{32}=0.5.$

$T_1=2; T_2=4; T_3=1; T_4=1; T_5=3.$

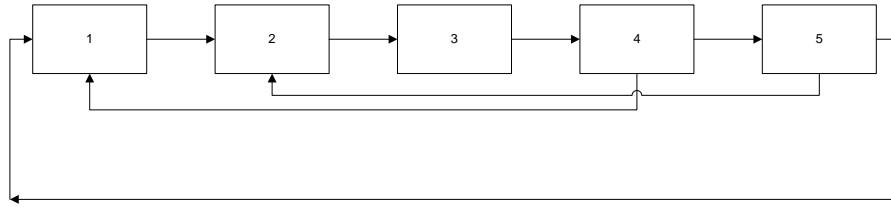
№15



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.5; P_{51}=1; P_{42}=0.2; P_{43}=0.3.$

$T_1=2.5; T_2=2; T_3=2; T_4=3; T_5=3.$

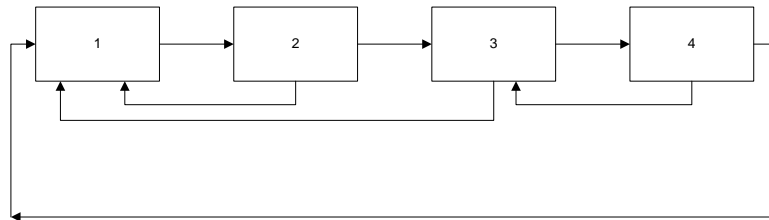
№16



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.7; P_{51}=0.9; P_{52}=0.1; P_{41}=0.3.$

$T_1=1; T_2=1; T_3=2; T_4=4; T_5=1.5.$

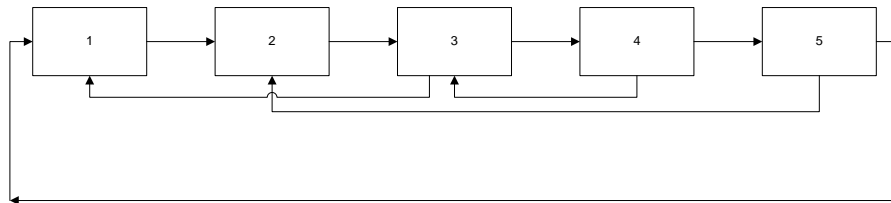
№17



$P_{12}=1; P_{23}=0.5; P_{34}=0.7; P_{41}=0.8; P_{43}=0.2; P_{31}=0.3; P_{21}=0.5.$

$T_1=1; T_2=6; T_3=1; T_4=3.$

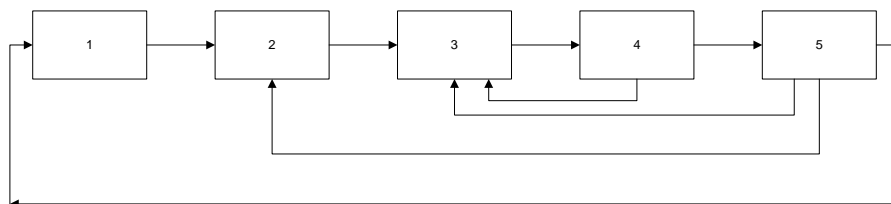
№18



$P_{12}=1; P_{23}=1; P_{34}=0.5; P_{45}=0.7; P_{51}=0.7; P_{52}=0.3; P_{43}=0.3; P_{31}=0.5.$

$T_1=1; T_2=2; T_3=1; T_4=7; T_5=6.$

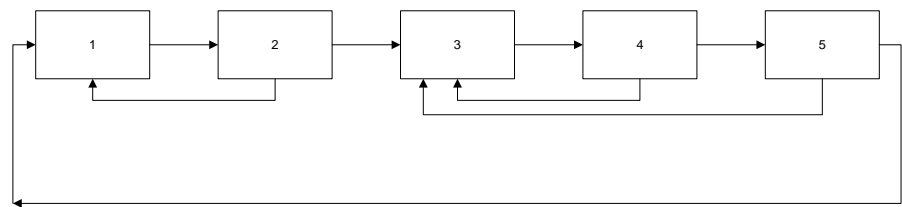
№19



$P_{12}=1; P_{23}=1; P_{34}=1; P_{45}=0.7; P_{51}=0.7; P_{52}=0.2; P_{53}=0.1; P_{43}=0.3.$

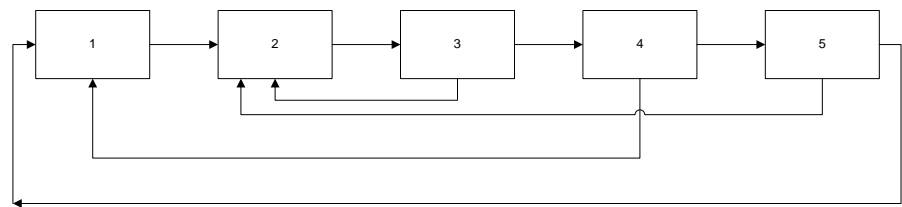
T1=3; T2=1.5; T3=2; T4=1; T5=1.5.

№20



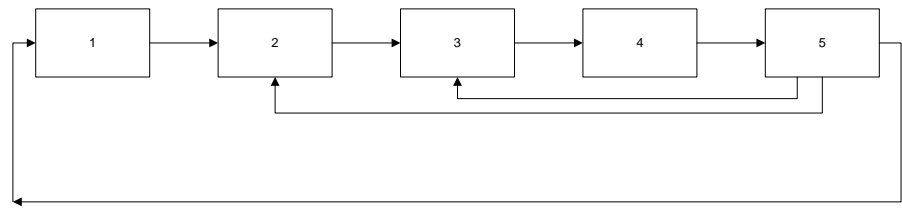
P12=1; P23=0.5; P34=1; P45=0.7; P51=0.7; P53=0.3; P54=0.3; P21=0.5.  
 T1=2; T2=2; T3=3; T4=1.5; T5=1.

№21



P12=1; P23=1; P34=0.8; P45=0.8; P51=0.9; P52=0.1; P32=0.2; P41=0.2.  
 T1=2.5; T2=3.5; T3=1; T4=4; T5=3.

№22



P12=1; P23=1; P34=1; P45=1; P51=0.7; P52=0.2; P53=0.1.  
 T1=1.25; T2=3; T3=4; T4=2.25; T5=4.

Таблицы элементов и операций

№ 1

N элемента	N операции
1	5
2	3

3	4
4	1
5	2

№ 2

N элемента	N операции
1	4
2	3
3	2
4	5
5	2

№ 3

N элемента	N операции
1	5
2	3
3	4
4	1
5	2

№ 4

N элемента	N операции
1	3
2	4
3	5
2	1
1	2

№ 5

N элемента	N операции
1	3
2	1
3	4
3	5
2	2

№ 6

N элемента	N операции
1	2
2	4
2	5
2	3
3	1

№ 7

N элемента	N операции
1	5
2	3
2	2
2	1
3	4

№ 8

N элемента	N операции
1	2
2	1
3	4
1	5
1	3

№ 9

N элемента	N операции
1	2
2	3
2	4
3	5
1	1