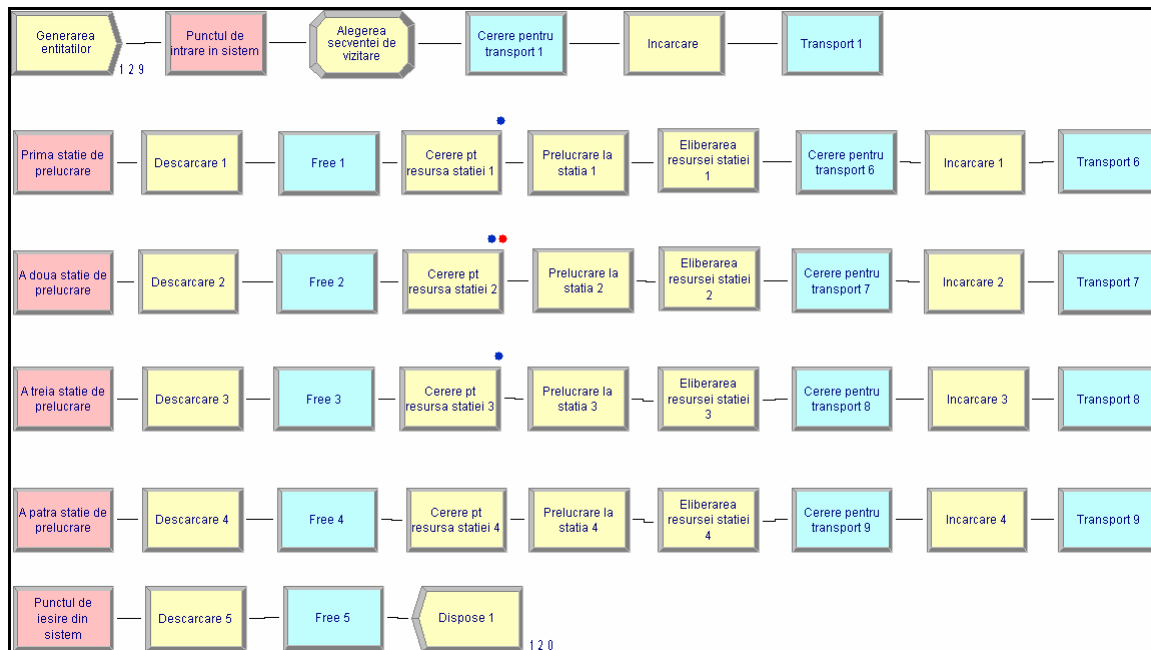


Activitatea 1.



Fișierul Model

Extrasul conține numai modelele aferente stațiilor numite Intrare și Statia1 deoarece modelele stațiilor de prelucrare sunt identice.

; Model statements for module: Create 1

54\$ CREATE, 1,MinutesToBaseTime(0.0),Entity 1:MinutesToBaseTime(EXPO(13)):NEXT(55\$);

55\$ ASSIGN: Generarea entitatilor.NumberOut=Generarea entitatilor.NumberOut + 1:NEXT(24\$);

; Model statements for module: Station 5

24\$ STATION, Intrare;

60\$ DELAY: 0.0,,VA:NEXT(0\$);

; Model statements for module: Assign 1

0\$ ASSIGN: Entity.Sequence=DISC(0.26,1,0.74,2,1,3):

Entity.Picture=(Entity.Sequence==1)*5+(Entity.Sequence==2)*25+(Entity.Sequence==3)*2:NEXT(1\$);

; Model statements for module: Request 1

1\$ QUEUE, Request0;

REQUEST, 1:Electrocar(SDS,Numar_electrocar),30.000000000000000,Entity.Station:NEXT(44\$);

; Model statements for module: Delay 5

44\$ DELAY: 0.2500000000000000,,Other:NEXT(3\$);

; Model statements for module: Transport 1

3\$ TRANSPORT: Electrocar,SEQ,30.000000000000000;

; Model statements for module: Station 1

4\$ STATION, Statia1;

64\$ DELAY: 0.0,,VA:NEXT(45\$);

; Model statements for module: Delay 6

45\$ DELAY: 0.2500000000000000,,Other:NEXT(39\$);

; Model statements for module: Free 1

39\$ FREE: Electrocar(Numar_electrocar):NEXT(5\$);

```

; Model statements for module: Seize 1
5$ QUEUE, Sir1;
SEIZE, 2,Other: Masina_1_1,1:NEXT(66$);
66$ DELAY: 0.0,,VA:NEXT(7$);

; Model statements for module: Delay 1
7$ DELAY: Timp_prelucrare,,Other:NEXT(8$);

; Model statements for module: Release 1
8$ RELEASE: Masina_1_1,1:NEXT(27$);

; Model statements for module: Request 6
;
27$ QUEUE, Request1;
REQUEST, 1:Electrocar(SDS,Numar_electrocar),30.000000000000000,Entity.Station:NEXT(49$);

; Model statements for module: Delay 10
49$ DELAY: 0.2500000000000000,,Other:NEXT(29$);

; Model statements for module: Transport 6
29$ TRANSPORT: Electrocar,SEQ,30.000000000000000;

```

Fişierul Experiment

ATTRIBUTES: Timp_prelucrare;
Numar_electrocar;

VARIABLES: Dispose 1.NumberOut,CLEAR(Statistics),CATEGORY("Exclude");
Generarea entitatilor.NumberOut,CLEAR(Statistics),CATEGORY("Exclude");

QUEUES: Request0,FIFO,,AUTOSTATS(Yes,,):
Request1,FIFO,,AUTOSTATS(Yes,,):
Request2,FIFO,,AUTOSTATS(Yes,,):
Request3,FIFO,,AUTOSTATS(Yes,,):
Request4,FIFO,,AUTOSTATS(Yes,,):
Sir1,FIFO,,AUTOSTATS(Yes,,):
Sir2,FIFO,,AUTOSTATS(Yes,,):
Sir3,FIFO,,AUTOSTATS(Yes,,):
Sir4,FIFO,,AUTOSTATS(Yes,,):

RESOURCES:

Masina_4_1,Capacity(1),,,COST(0.0,0.0,0.0),CATEGORY(Resources),,AUTOSTATS(Yes,,):
Masina_1_1,Capacity(1),,,COST(0.0,0.0,0.0),CATEGORY(Resources),,AUTOSTATS(Yes,,):
Masina_2_1,Capacity(1),,,COST(0.0,0.0,0.0),CATEGORY(Resources),,AUTOSTATS(Yes,,):
Masina_3,Capacity(2),,,COST(0.0,0.0,0.0),CATEGORY(Resources),,AUTOSTATS(Yes,,):

STATIONS:

Statia1,,,Statia1,AUTOSTATS(Yes,,):
Statia2,,,Statia2,AUTOSTATS(Yes,,):
Statia3,,,Statia3,AUTOSTATS(Yes,,):
Statia4,,,Statia4,AUTOSTATS(Yes,,):
Intrare,,,Intrare,AUTOSTATS(Yes,,):
Iesire,,,Iesire,AUTOSTATS(Yes,,):

DISTANCES: Electrocar.Distance,
Intrare-Statia1-7,Intrare-Statia2-19,Intrare-Statia3-19, Intrare-Statia4-6,Iesire-Intrare-26,

lesire-Statia1-19,lesire-Statia2-7,lesire-Statia3-7,lesire-Statia4-20, Statia1-Statia2-12,
 Statia1-Statia3-20,Statia2-Statia1-12,Statia2-Statia3-14,Statia2-Statia4-25,
 Statia3-Statia4-13,Statia3-lesire-7,Statia4-Statia2-25,Statia4-lesire-20,Statia4-Statia1-13;

TRANSPORTERS: Electrocar,2,Distance(Electrocar.Distance),30.000000000000000---,
 Station(Intrare)-Active,Station(lesire)-Active, AUTOSTATS(Yes,,);

SEQUENCES:

Tipul_1,
 Statia1,,,,Timp_prelucrare=TRIA(6,8,10)&Statia2,,,,Timp_prelucrare=TRIA(5,8,10)&
 Statia3,,,,Timp_prelucrare=TRIA(15,20,25)&Statia4,,,,Timp_prelucrare=TRIA(8,12,16)
 &lesire:
 Tipul_2,
 Statia1,,,,Timp_prelucrare=TRIA(11,13,15)&Statia2,,,,Timp_prelucrare=TRIA(4,6,8)&
 Statia4,,,,Timp_prelucrare=TRIA(15,18,21)&Statia2,,,,Timp_prelucrare=TRIA(6,9,12)&
 Statia3,,,,Timp_prelucrare=TRIA(27,33,39)&lesire:
 Tipul_3,
 Statia2,,,,Timp_prelucrare=TRIA(7,9,11)&Statia1,,,,Timp_prelucrare=TRIA(7,10,13)&
 Statia3,,,,Timp_prelucrare=TRIA(18,23,28)&lesire;

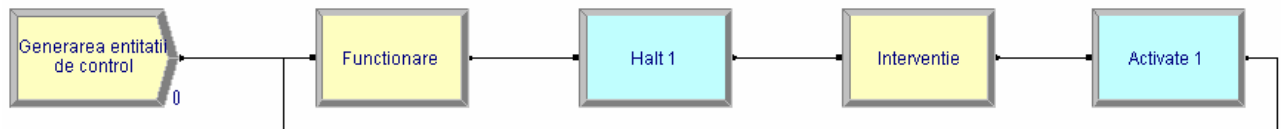
REPLICATE, 1,,HoursToBaseTime(32),Yes,Yes,,,,1440,Minutes,No,No,,,Yes;

Activitatea 2.

Această activitate presupune utilizarea depanatorului Arena, motiv pentru care nu trebuie pregătită pentru test.

Activitatea 3.

Modelarea căderii unui mijloc de transport – s-a presupus că unitatea în cauză este unitatea 1.



; Model statements for module: Create 2

94\$ CREATE, 1,HoursToBaseTime(0.0),Entity 1:HoursToBaseTime(EXPO(1)),1:NEXT(95\$);

95\$ ASSIGN: Generarea entitatii de control.NumberOut=Generarea entitatii de control.NumberOut + 1:NEXT(54\$);

; Model statements for module: Delay 14

54\$ DELAY: UNIF(60, 90),,Other:NEXT(55\$);

; Model statements for module: Halt 1

55\$ HALT: Electrocar(1):NEXT(56\$);

; Model statements for module: Delay 15

56\$ DELAY: UNIF(40, 55),,Other:NEXT(57\$);

; Model statements for module: Activate 1

57\$ ACTIVATE: Electrocar(1):NEXT(54\$);