

The development of imitative model of Internet store is considered in the article. The model is built in the visual modelling tool Simulink. The verification of the model is carried out with Petri net approach.

50-60- ( , , ) .

[1]. : « - », , .

«Simulink»;

S- «Simulink»

[2].

( ) [3].

[4]. :

1. Sources. Constant – ( - , , ) .

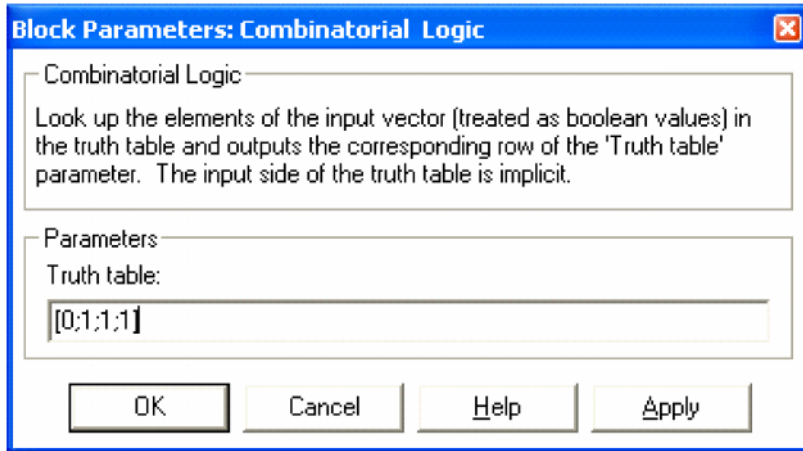
2. Sinks. Display – ,

3. Math Operations. Combinatorial Logic – , . Product – ,

Sum – , . Relational Operator – ,

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**.1. Combinatorial Logic**

1.

1- «Parol»	2- «Login»	«Rezultat avtoruzacii»
0	0	0
1	0	1
0	1	1
1	1	1

4.

Signal Routing.

Demux –

Mux.

Mux –

5.

Discontinuities.

Quantizer –

User-Defined

Constant,

«Tovar1», «Tovar2»,

6.

Functions.

MATLAB Fcn –

u

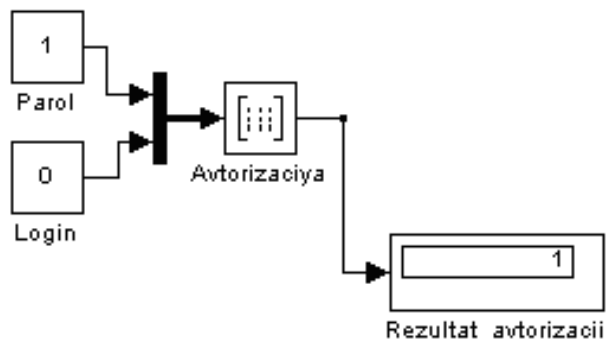
u(i)

[6].

unifrnd(a,b),

Constant  
Combinatorial Logic,  
«Login», «Avtoruzaciya».

Combinatorial Logic,  
«Avtoruzaciya»,



.2.

Mux (

( , )

) [7].  
«Avtoruzaciya»  
Truth table ( [0; 1; 1; 1] ( . 1).  
Display ( , «Rezultat avtoruzacii». «Parol», «Login» 0 1( , – 0).

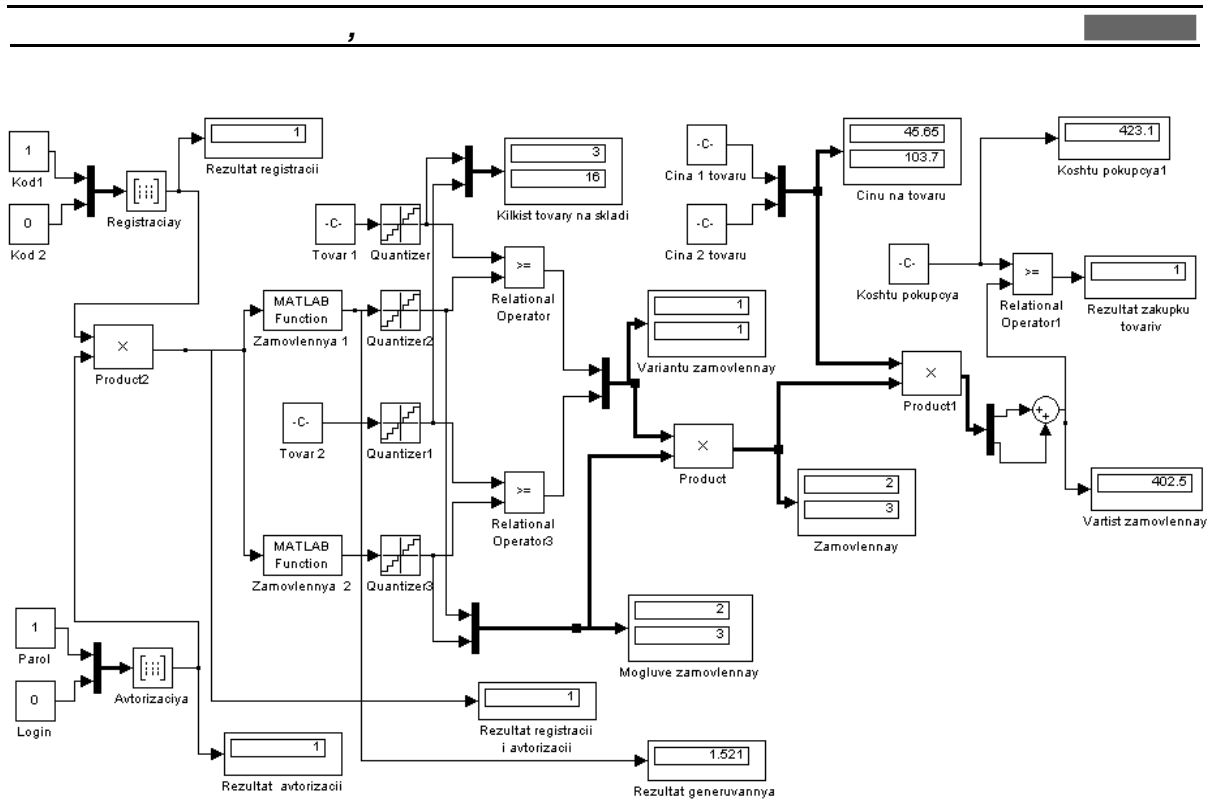
Combinatorial Logic

.1.

S-

.2.

Product.



.3.

Quantizer.

Relational Operator.

Display,  
«Kilkist tovaru na  
skladi».

«Kilkist tovaru na  
skladi».

Mux ( . 3).

Constant,  
«Cina 1  
tovary», «Cina 2 tovary»,

«Cina 1  
tovary», «Cina 2 tovary»,

Product,

stant,

«Koshtu pokupcya»,

Con- Sum.

S- ( . 4).

Quantizer.

MATLAB Fcn,

Relational Operator1.

«Zamovlennyya1», «Zamovlen-  
nyya2»,

( . 3)

nyya2»,

MATLAB Fcn

$u * \text{unifrnd}(a, b),$

$u -$

$1 - 0($

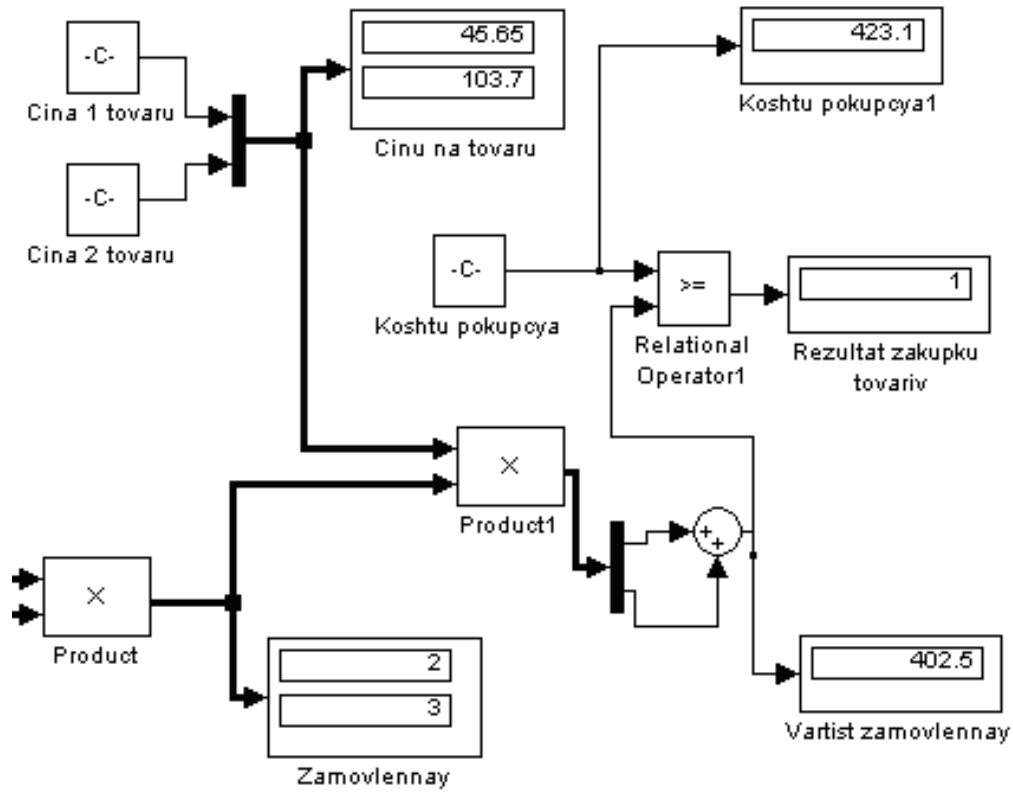
Product2), a b

.5

PetriNet.

Display,  
«Mogluve zamovlennyya».

[8].

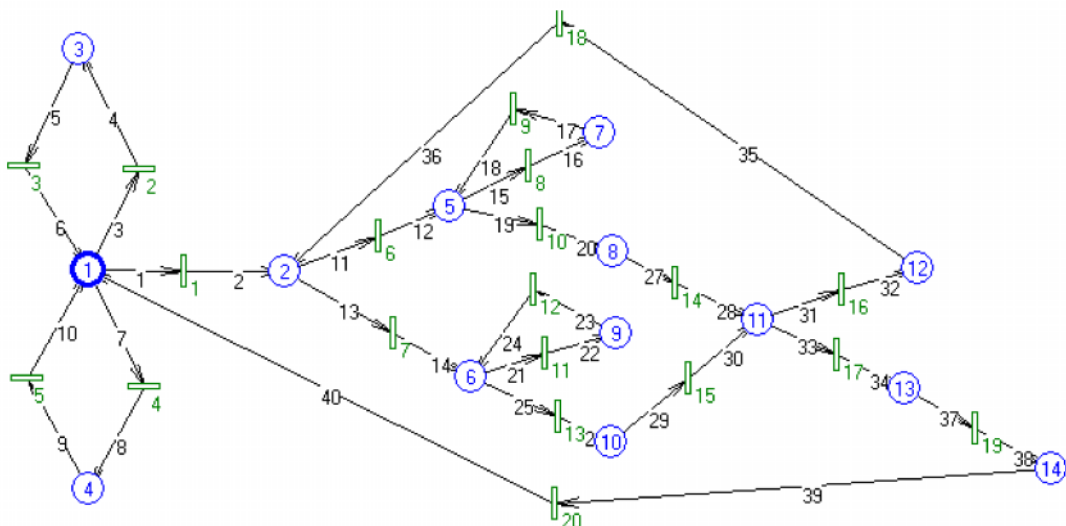


.4.

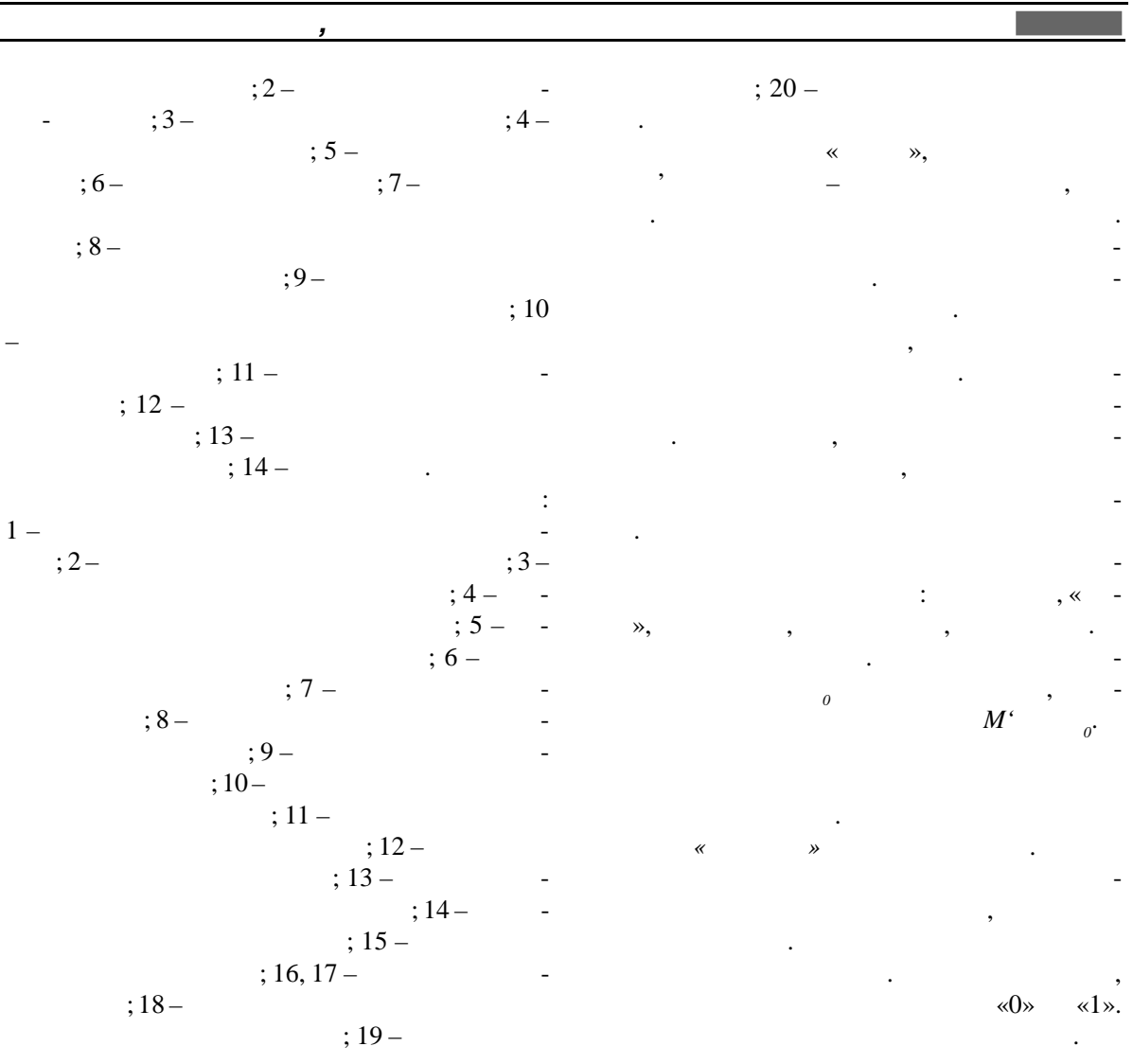
( )

( )

: 1-



.5.



**Свойства сети Петри** ✖

Свойства сети Петри:

- Ограниченная : 1
- Безопасная
- Обратимая
- Живая
- Правильная
- Класс сети: Автомат
- Сеть не фрагментирована
- Пассивные переходы: нет

OK

.6.

1. / / . . . . . , 2002. – 368 .
1998. – 232 .
2. / . . . . . 2004. – 121 .
3. / . . . . . , 2004. – 108 .
4. / . . . . . , 1989. – 133 .
5. / . . . . . , 2008. – 228 .
6. MATLAB: / . . . . . , 2000. – 432 .
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8. / . . . . . , 1989. – 133 .

519.174

«Simulink».

519.174

«Simulink».

UDC 519.174

**Skrylnyk Irina Ivanivna**, first assistant of professor of economical cybernetics speciality. **Nikolaenko Vitaliy Yuriovitch**, student of economical cybernetics speciality. Poltava national technical university named after Yu. Kondratyuk. **Using the imitative modelling for the innovative management.** The development of imitative model of Internet store is considered in the article. The model is built in the visual modelling tool Simulink. The verification of the model is carried out with Petri net approach.

**Keywords:** simulation model, S-models, modeling, finite automaton, random variables, library, blocks, Petri nets.

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