Program blocks / 02_Controller / NeuralNetwork

Generator [FB15]

Generator Properties							
General							
Name	Generator	Number	15	Type	FB	Language	SCL
Numbering	Manual						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Default value
Input		
▼ Output		
wartosc_zaklocenia	Real	0.0
u	LReal	0.0
InOut		
▼ Static		
k	Real	0.0
i	Int	0
Temp		
Constant		

```
0001  (*SV*)
0002  IF #k<=25.0 THEN
0003  #u:=0.0;
0004  END_IF;
0005  IF #k>25.0 THEN
0006  #u:=2.0;
0007  END_IF;
0008  IF #k>175.0 THEN
0009  #u:=-2.0;
0010  END_IF;
0011  IF #k>250.0 THEN
0012  #u:=2.0*SIN(2.0*3.1416*#k/50.0);
0013  END_IF;
0014  IF #k>400.0 THEN
0015  #u:=0.0;
0016  END_IF;
0017
0018  (*ZAKLOCENIE*)
0019  IF #k<=100.0 THEN
0020  #wartosc_zaklocenia:=0.0;
0021  END_IF;
0022  IF #k>75.0 THEN
0023  #wartosc_zaklocenia:=-1.0;
0024  END_IF;
0025  IF #k>125.0 THEN
0026  #wartosc_zaklocenia:=0.0;
0027  END_IF;
0028  IF #k>300.0 THEN
0029  #wartosc_zaklocenia:=-1.0;
0030  END_IF;
0031  IF #k>400.0 THEN
0032  #wartosc_zaklocenia:=0.0;
0033  END_IF;
0034
0035  #k:=#k+1.0;
```