Totally Integra Automation Po													
mpirically	entered lo	gical fu	ınction [FE	319]									
pirically enter neral	ed logical fund	ction Prope	erties										
	Empirically ente	red logical	Number	19		Туре	FB			Lang	uage		SCL
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ame		Data typ	e Default	value	Retain		from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	sion	rvi-	Comment
r Input								AH					
 s1		Bool	false		Non-retair	<u> </u>	True	True	True	False			
s2		Bool	false		Non-retair		True	True	True	False			
s3		Bool	false		Non-retair	1	True	True	True	False			
s4		Bool	false		Non-retair	1	True	True	True	False			
Output													
vysledek		Bool	false		Non-retair		True	True		False			
stav		Int String	0		Non-retair Non-retair		True True	True True		False False			
text InOut		Strilly			Non-retail	ı	iiuc	rrue	ii uc	ו עוטכ			
▼ Static													
▼ TF		Array[0	16] of		Non-retair	1	True	True	True	False			
TE[0]		Byte	1640		Nia w wataiw		T	Т	T	F-I			
TF[0] TF[1]		Byte Byte	16#0 16#0		Non-retair Non-retair		True True	True True		False False			
TF[2]		Byte	16#0		Non-retair		True	True		False			
TF[3]		Byte	16#0		Non-retair	1	True	True	True	False			
TF[4]		Byte	16#0		Non-retair		True	True		False			
TF[5]		Byte	16#0 16#0		Non-retair		True	True		False			
TF[6] TF[7]		Byte Byte	16#0		Non-retair Non-retair		True True	True True		False False			
TF[8]		Byte	16#0		Non-retair		True	True		False			
TF[9]		Byte	16#0		Non-retair	1	True	True	True	False			
TF[10]		Byte	16#0		Non-retair		True	True		False			
TF[11]		Byte	16#0 16#0		Non-retair Non-retair		True True	True True		False False			
TF[12] TF[13]		Byte Byte	16#0		Non-retair		True	True		False			
TF[14]		Byte	16#0		Non-retair		True	True		False			
TF[15]		Byte	16#0		Non-retair	1	True	True	True	False			
TF[16]		Byte	16#0		Non-retair		True	True		False			
▼ OUTF_num	ıber	Array[0 Bool	16] 01		Non-retair	1	True	True	True	False			
OUTF_n	umber[0]	Bool	false		Non-retair	1	True	True	True	False			
	umber[1]	Bool	false		Non-retair		True	True		False			
	umber[2]	Bool	false		Non-retair		True	True		False			
	umber[3] umber[4]	Bool Bool	false false		Non-retair Non-retair		True True	True True		False False			
	umber[5]	Bool	false		Non-retair		True	True		False			
OUTF_nı	umber[6]	Bool	false		Non-retair		True	True		False			
	umber[7]	Bool	false		Non-retair		True	True		False			
	umber[8] umber[9]	Bool Bool	false false		Non-retair Non-retair		True True	True True		False False			
	umber[10]	Bool	false		Non-retair		True	True		False			
OUTF_nı	umber[11]	Bool	false		Non-retair	ı	True	True	True	False			
	umber[12]	Bool	false		Non-retair		True	True		False			
	umber[13] umber[14]	Bool Bool	false false		Non-retair Non-retair		True True	True True		False False			
	umber[14] umber[15]	Bool	false		Non-retair		True	True		False			
	umber[16]	Bool	false		Non-retair		True	True		False			
INP_word		Byte	16#0		Non-retair		True	True		False			
state ▼ OUTF_text		Int Array[0	0 16] of		Non-retair Non-retair		True True	True True		False False			
OUTF_te	νt[U]	String String	11		Non-retair	1	True	True	True	False			
OUTF_te		String	11		Non-retair		True	True		False			
OUTF_te		String	11		Non-retair		True	True		False			
OUTF_te	ext[3]	String	11		Non-retair		True	True		False			
OUTF_te		String	11		Non-retair		True	True		False			
OUTF_te OUTF_te		String String	11		Non-retair Non-retair		True True	True True		False False			
OUTF_te		String	11		Non-retair Non-retair		True	True		False			
	ext[7]	String	11		Non-retair		True	True		False			

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Name	Data type	Default value	Retain	HMI/OPC UA/Web API	able	HMI engi- neering		Supervi- sion	Comment
OUTF_text[9]	String	П	Non-retain	True	True	True	False		
OUTF_text[10]	String	П	Non-retain	True	True	True	False		
OUTF_text[11]	String	П	Non-retain	True	True	True	False		
OUTF_text[12]	String	11	Non-retain	True	True	True	False		
OUTF_text[13]	String	11	Non-retain	True	True	True	False		
OUTF_text[14]	String	11	Non-retain	True	True	True	False		
OUTF_text[15]	String	11	Non-retain	True	True	True	False		
OUTF_text[16]	String	11	Non-retain	True	True	True	False		
Temp									
Constant									

```
0001 //[ 0 0 0 0 s4 s3 s2 s1]
0002 #INP word.%X0 := #s1;
0003 #INP word.%X1 := #s2;
0004 #INP word.%X2 := #s3;
0005 #INP_word.%X3 := #s4;
0006
0007 //Pravdivostni tabulka
0008 #TF[1] := 2#0000000;
0009 #TF[2] := 2#00001000;
0010 #TF[3] := 2#00000100;
0011 #TF[4] := 2#00001100;
0012 #TF[5] := 2#00000010;
0013 #TF[6] := 2#00001010;
0014 #TF[7] := 2#00000110;
0015 #TF[8] := 2#00001110;
0016 #TF[9] := 2#0000001;
0017 #TF[10] := 2#00001001;
0018 #TF[11] := 2#00000101;
0019 #TF[12] := 2#00001101;
0020 #TF[13] := 2#00000011;
0021 #TF[14] := 2#00001011;
0022 #TF[15] := 2#00000111;
0023 #TF[16] := 2#00001111;
0024
0025 //Vystup cislo
0026 #OUTF_number[15] := 1; //ostatni indexy 0
0027 // Vystup text
0028 #OUTF_text[1] := 'testovy vystup, kdyz senzory 0';
0029 #OUTF text[2] := 'spatna orientace';
0030 #OUTF text[3] := 'objekt je spatne otacen';
0031 #OUTF text[14] := 'objekt nema spravnou velikost';
0032 #OUTF text[15] := 'spravna soucast';
0033 #OUTF_text[16] := 'nema diru';
0034
0035 //Logika
0036 FOR #state := 1 TO 16 DO
0037
     IF #TF[#state] = #INP_word THEN
        #vysledek := #OUTF_number[#state];
0038
0039
        #text := #OUTF_text[#state];
0040
       #stav := #state;
0041
0042
     END_IF;
0043 ;
0044 END_FOR;
```

Symbol	Address	Туре	Comment
#INP_word		Byte	
#INP_word.%X0		Bool	
#INP_word.%X1		Bool	
#INP_word.%X2		Bool	
#INP_word.%X3		Bool	
#OUTF_number[*]		Bool	
#OUTF_number[15]		Bool	
#OUTF_text[*]		String	
#OUTF_text[1]		String	
#OUTF_text[2]		String	
#OUTF_text[3]		String	
#OUTF_text[14]		String	
#OUTF_text[15]		String	
#OUTF_text[16]		String	
#s1		Bool	
#s2		Bool	
#s3		Bool	
#s4		Bool	
#state		Int	
#stav		Int	
#text		String	
#TF[*]		Byte	
#TF[1]		Byte	
#TF[2]		Byte	
#TF[3]		Byte	

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Symbol	Address	Туре	Comment	
Symbol #TF[4] #TF[5]		Type Byte Byte		
#TF[5]		Byte		
#TF[6]		Byte		
#TF[7]		Byte		
#TF[8] #TF[9]		Byte Byte		
#TF[10]		Byte		
#TF[11]		Byte		
#TF[12]		Byte		
#TF[13]		Byte		
#TF[14] #TF[15]		Byte		
#TF[16]		Byte Byte		
#vysledek		Bool		
#vysledek		Bool		