

Quiz

A PLC program to identify which participant has pressed the push button first. The lamp of the participant who pressed the pushbutton first flashes at 1Hz and the lamps of the participants who pressed the button subsequently, light up steadily until reset by the quiz master. A buzzer (audio alarm) is activated as long as the participant who makes the first attempt, keeps his push button pressed. The quiz master presses his push button to reset all lamps.

POU x Task_1 three_inp_OR PLC_PRG Visualization

PROGRAM POU

Scope	Name	Address	Data type	Initialization	Comment	Attributes
VAR	var_1		BOOL			

1

PLC_PRG.temp1

var_1

var_1

POU

Task_1 X

three_inp_OR

PLC_PRG

Visualization

Configuration

Priority (0..31):

1

Task group

IEC-Tasks

Type

Cyclic

Interval (e.g. t#200ms)

500

ms

Watchdog

Enable

Time (e.g. t#200ms)

ms

Sensitivity

1

+ Add Call

X Remove Call

Change Call

Move Up

Move Down

Open POU

POU	Comment
POU	

POU

Task_1

three_inp_OR x

PLC_PRG

Visualization

PROGRAM three_inp_OR

	Scope	Name	Address	Data type	Initialization	Comment	Attributes
1	VAR_INPUT	A		BOOL			
2	VAR_INPUT	B		BOOL			
3	VAR_INPUT	C		BOOL			
4	VAR_OUTPUT	Q		BOOL			

1

```
graph LR; A[ ] --- J1(( )); B[ ] --- J1; C[ ] --- J1; J1 --- Q[ ]
```

1

reset

atemp
(R)

btemp
(R)

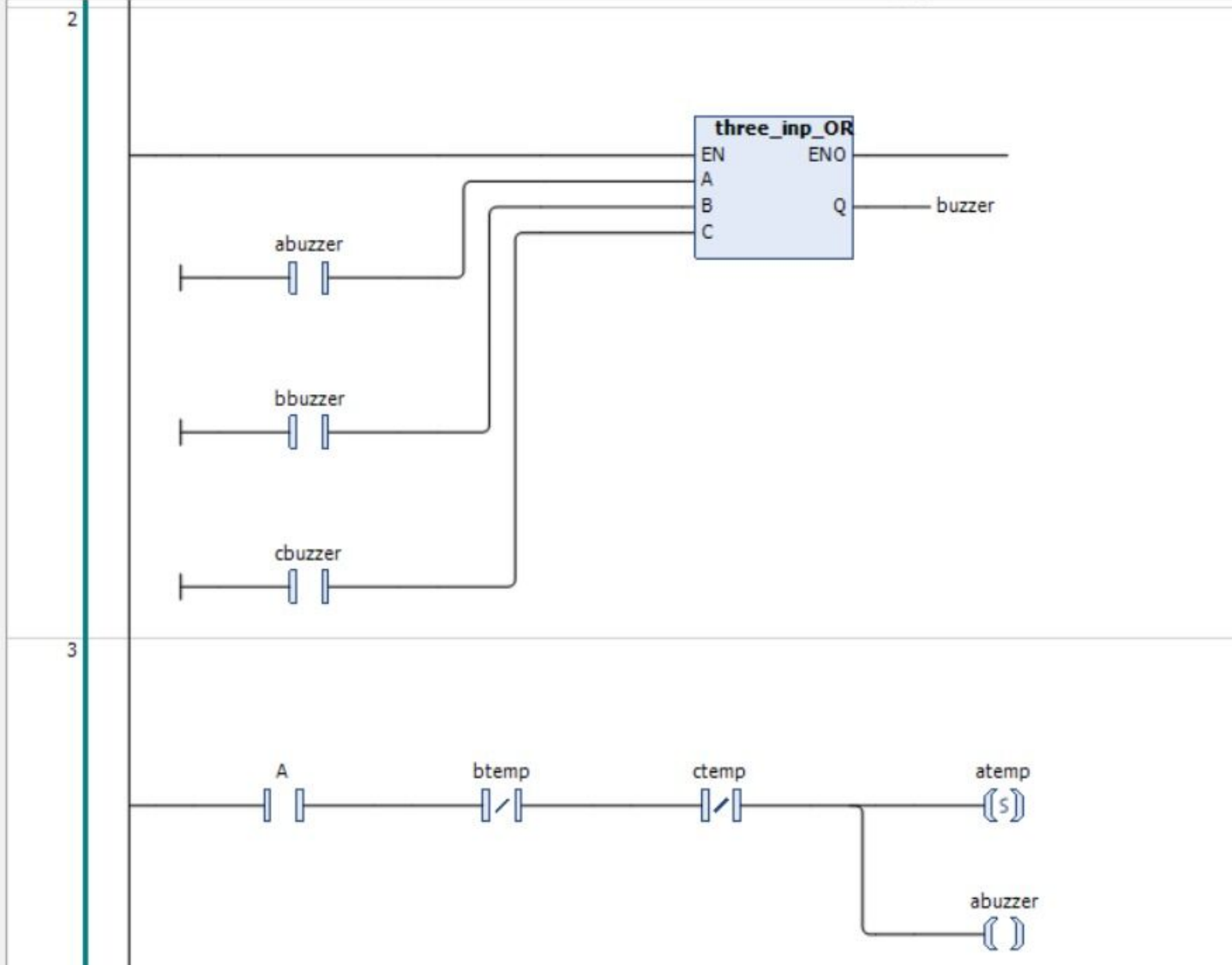
ctemp
(R)

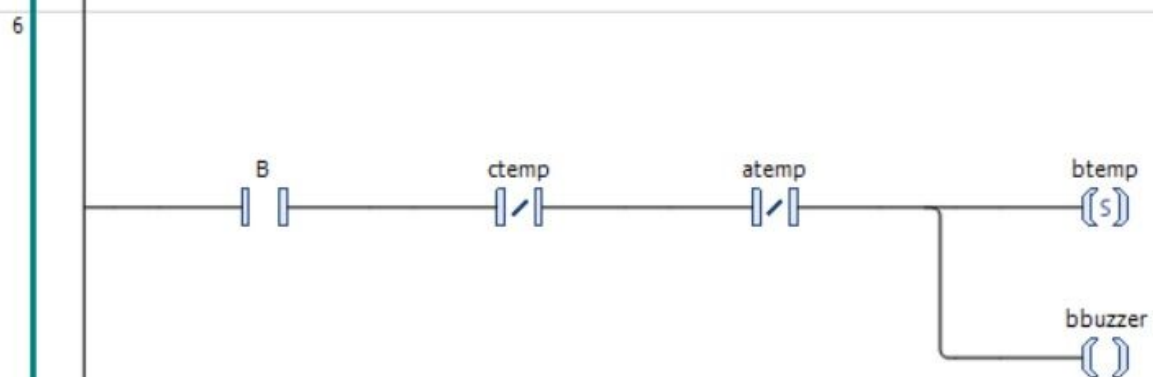
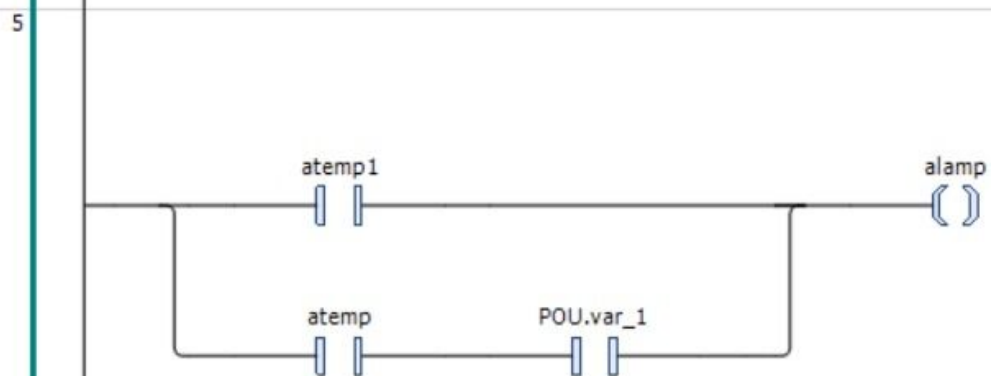
atemp1
(R)

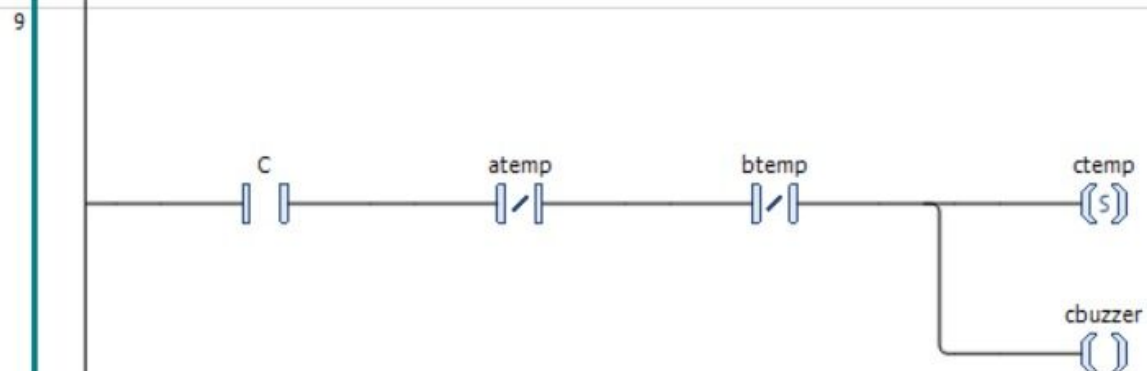
btemp1
(R)

ctemp1
(R)

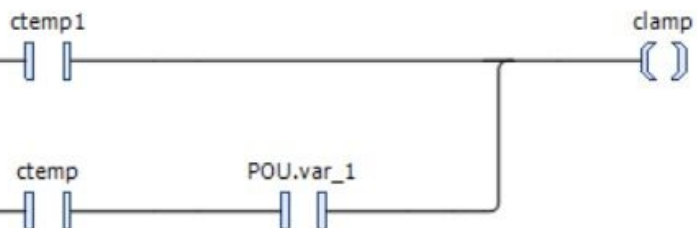




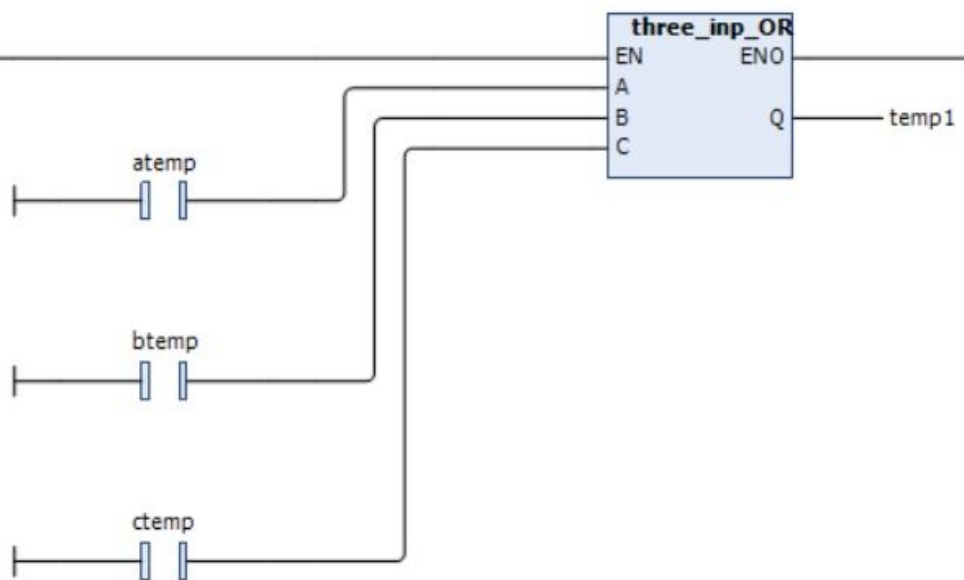




11



12



POU Task_1 three_inp_OR PLC_PRG Visualization X



A



B



C



Reset

