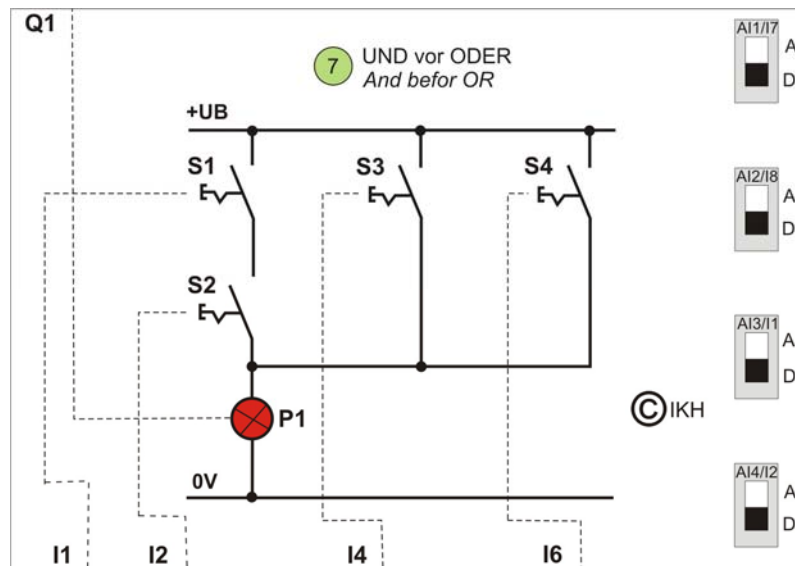


Combined circuit: AND before OR with LOGO!Learn

Learning card: AND before OR



The learning card shows the combined circuit: AND before OR is depicted as circuit diagram.

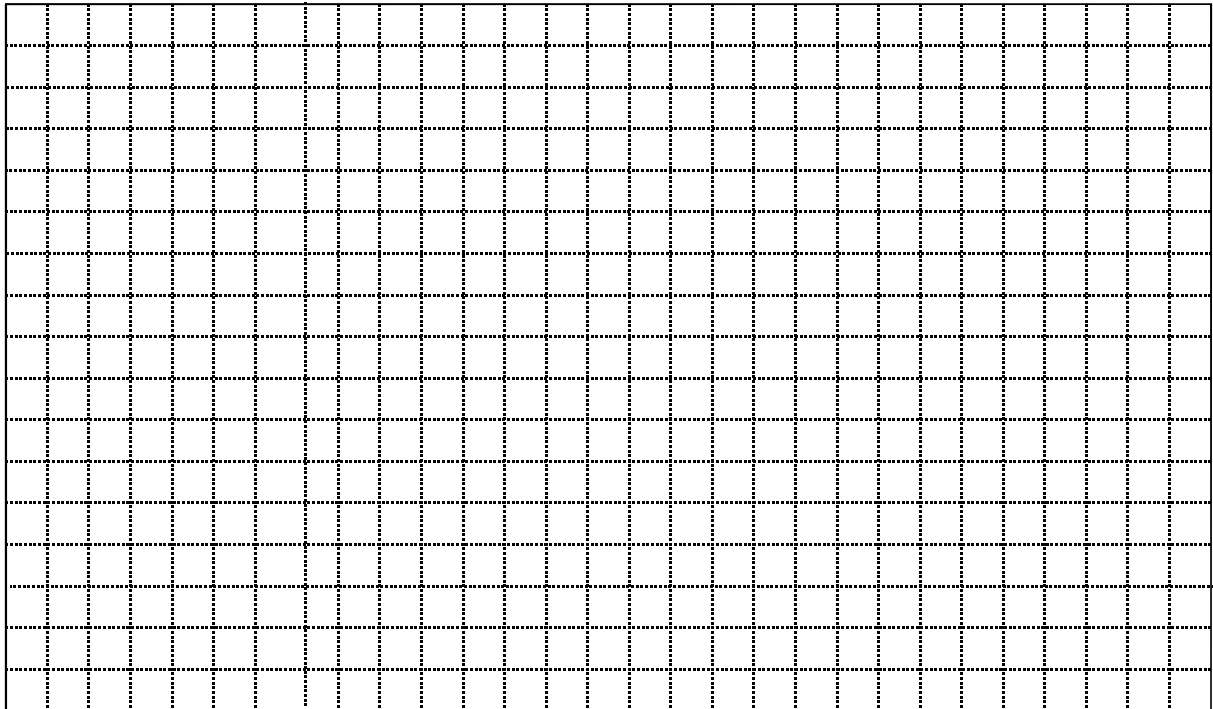
Output P1 carries an H-signal only if the AND-condition is true on input S1 respectively S2 or if the input S3 respectively S4 carries an H-signal.

Correlation list		
Symbol	absolute	Comment
S1	I1	Switch
S2	I2	Switch
S3	I4	Switch
S4	I6	Switch
P1	Q1	Status LED

Exercise

- Convert circuit diagram into function block diagram (FBD) (Solution field 1).
- Convert circuit diagram into ladder diagram (LAD) (Solution field 2).
- Enter program according to function block diagram (FBD) into the programming unit (i.e. PC or keyboard) and transfer into LOGO!
- Enter program according to ladder diagram (LAD) into the programming unit (i.e. PC or keyboard) and transfer into LOGO!
- Test program.

Solution field 1



Solution field 2

