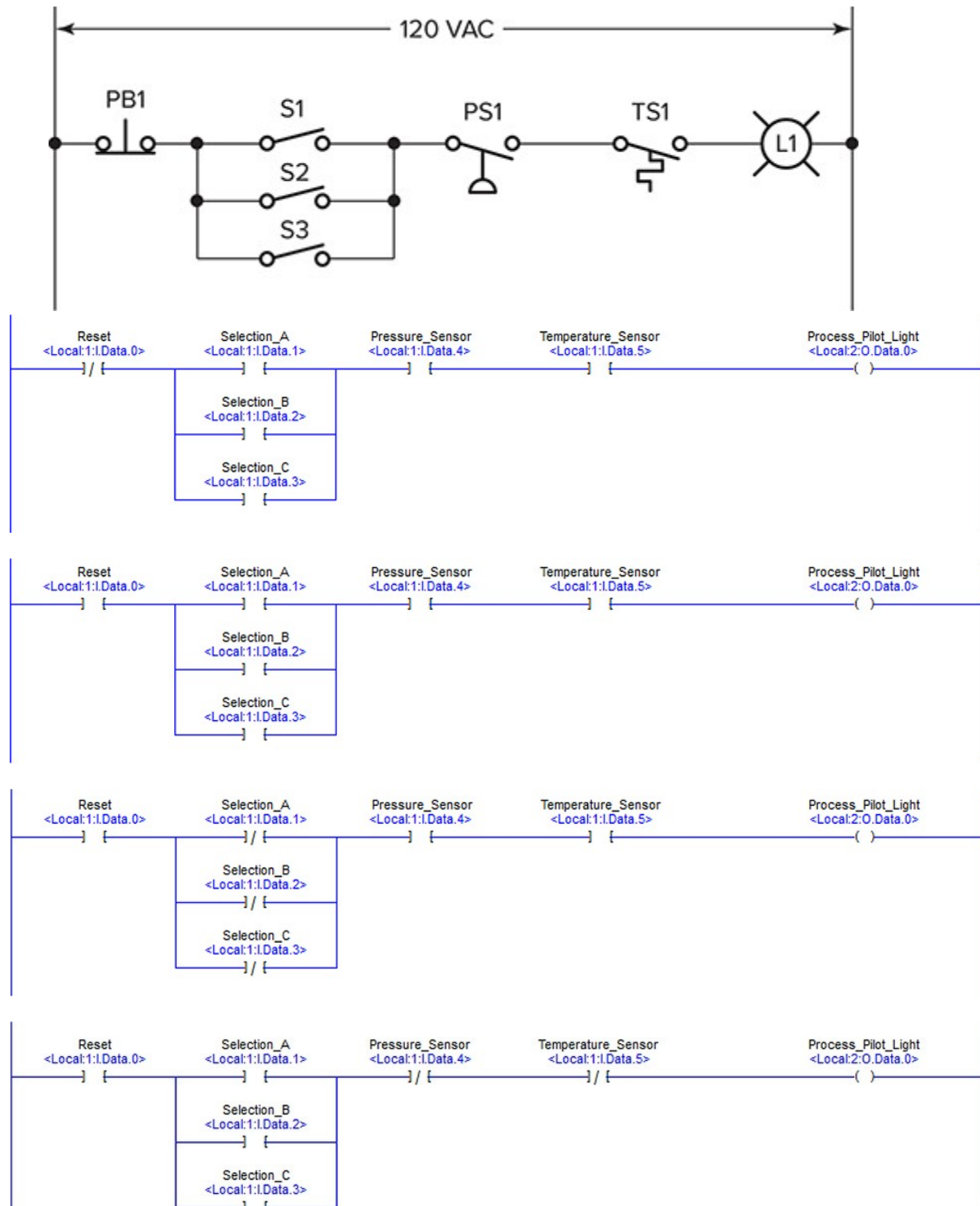


Which of these ladder programs could be used to replace the relay control circuit shown?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

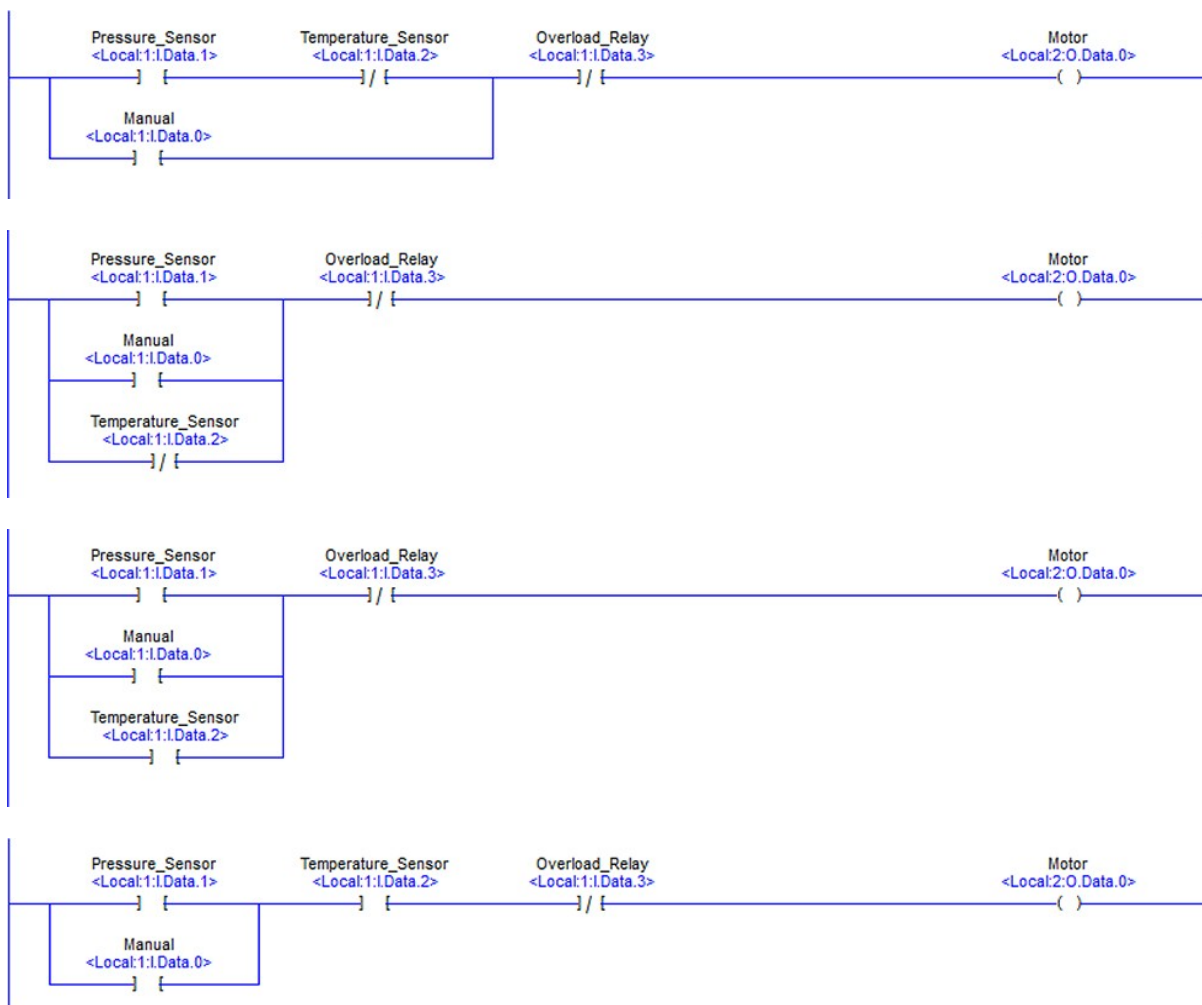
Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Basic Ladder Instructions

Source : Chapter 1 Lab Manual > Using Multiple Switches and an NC Pushbutton to Turn a Light On

Which ladder program shows the original program modified so that operating the pushbutton will turn the motor on only if the temperature switch is closed?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Modifying Programs

Source : Chapter 1 Lab Manual > Modifying Temperature Switch Function

Which ladder program will turn the pilot light on when either pushbutton A or pushbutton B are closed?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

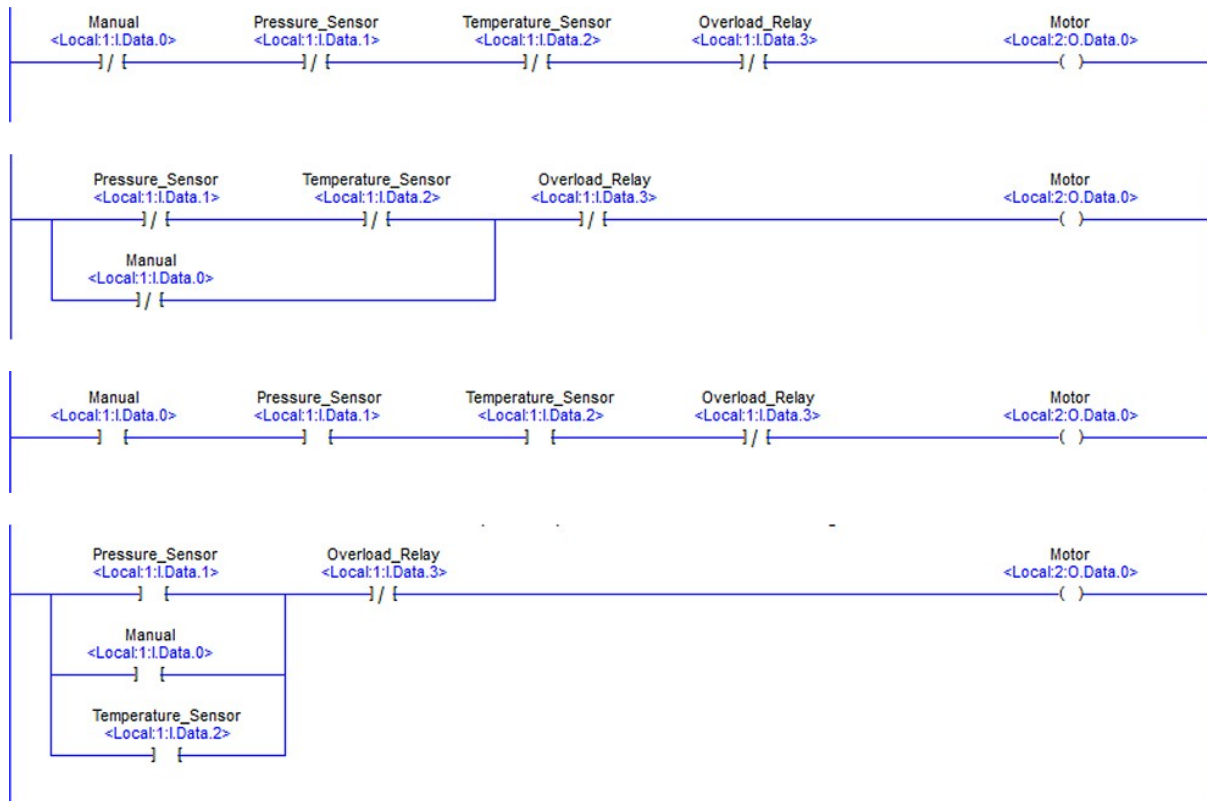
Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Interpreting Ladder Programs

Source : Chapter 1 Lab Manual > Turning a Light On With Two Pushbuttons

Which ladder shows the original program modified to operate so that all three input devices must be closed for the motor to operate?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

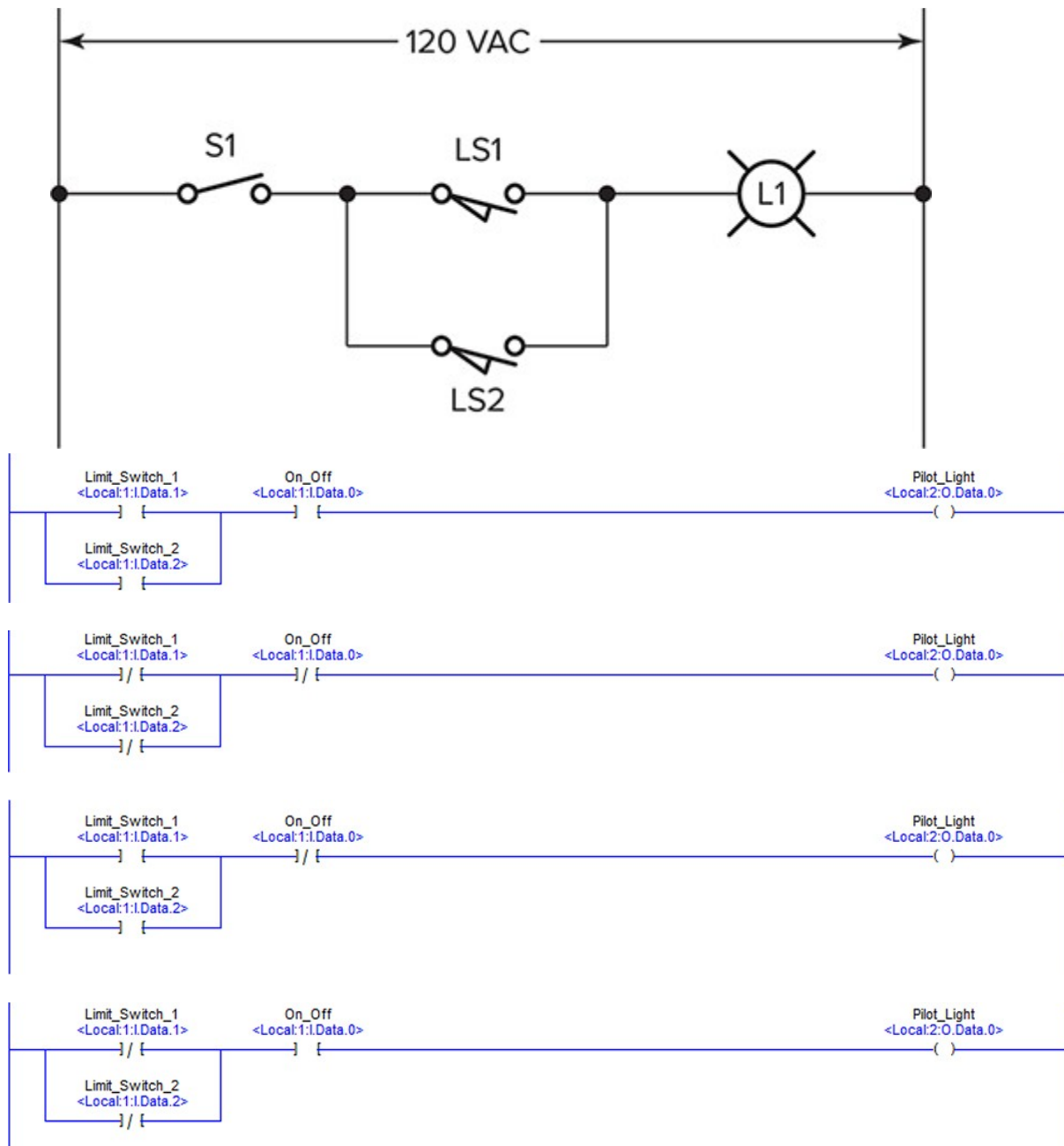
Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Modifying Programs

Source : Chapter 1 Lab Manual > Modifying Program for Three Closed Input Devices

Which of these ladder programs could be used to replace the relay control circuit shown?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

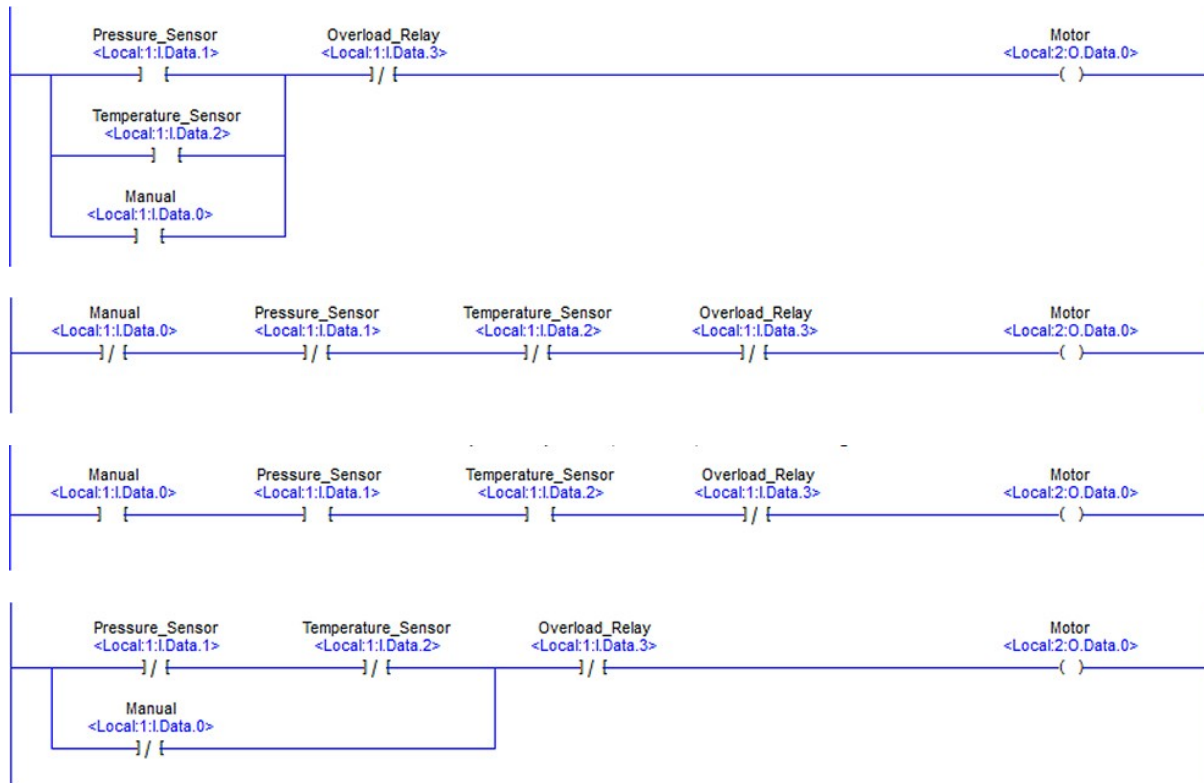
Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Basic Ladder Instructions

Source : Chapter 1 Lab Manual > Using Two Limit Switches and an On/Off Switch to Turn a Light On

Which ladder program shows the original program modified to operate so that closing any one of the three input devices will turn the motor on?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

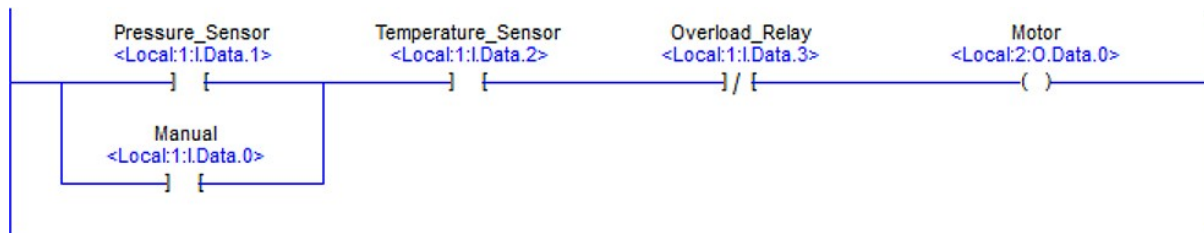
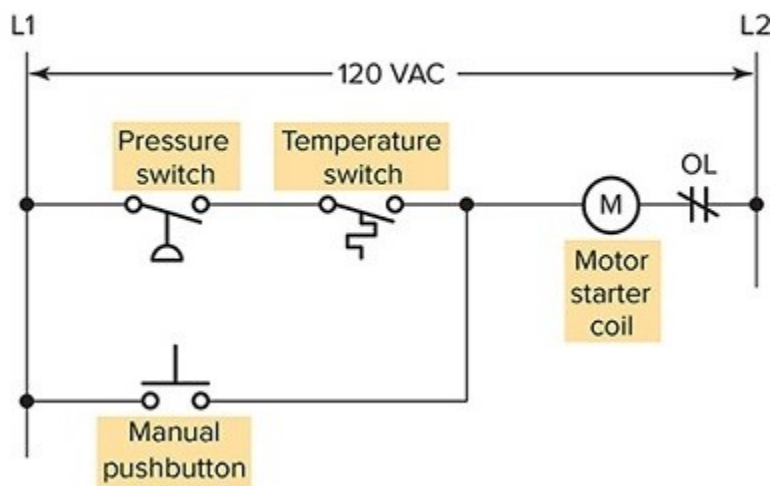
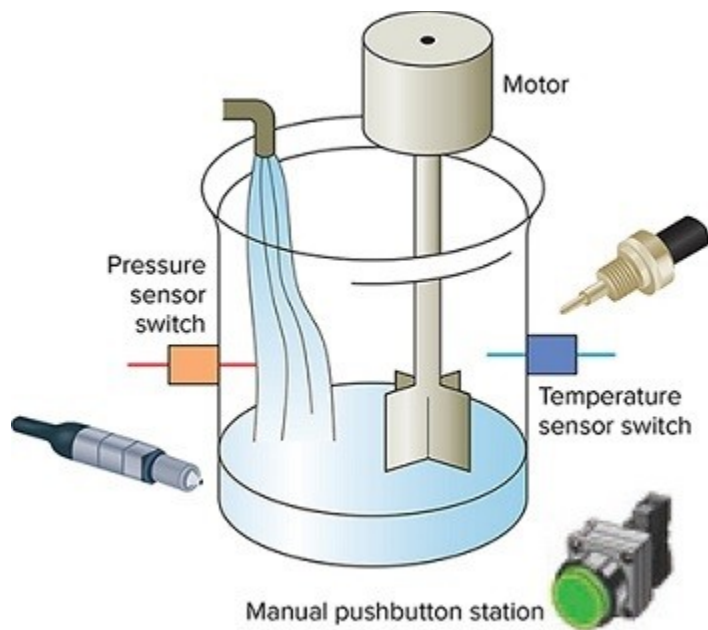
Software : Logix Pro PLC Simulator

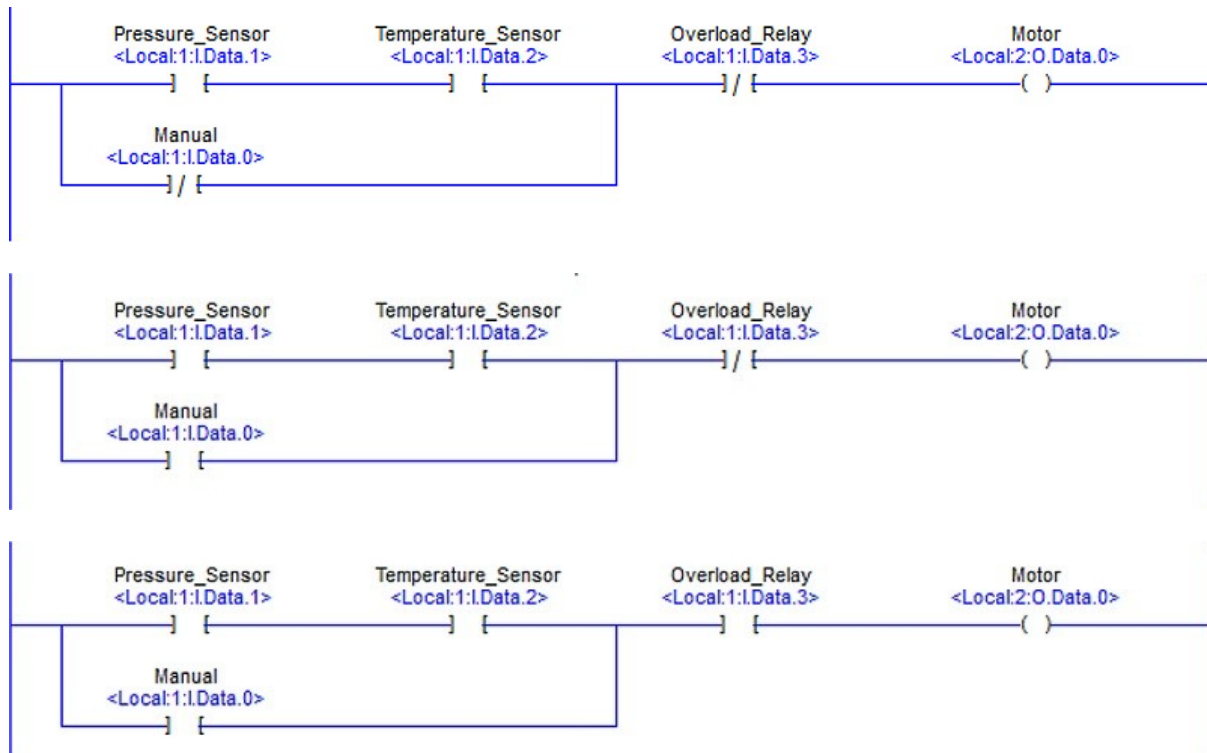
Software : 5000 Series PLC Simulator

Subtopic : Modifying Programs

Source : Chapter 1 Lab Manual > Modifying Program for Any Closed Input Device

Select the program that could be used to replace the following relay control circuit.





Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

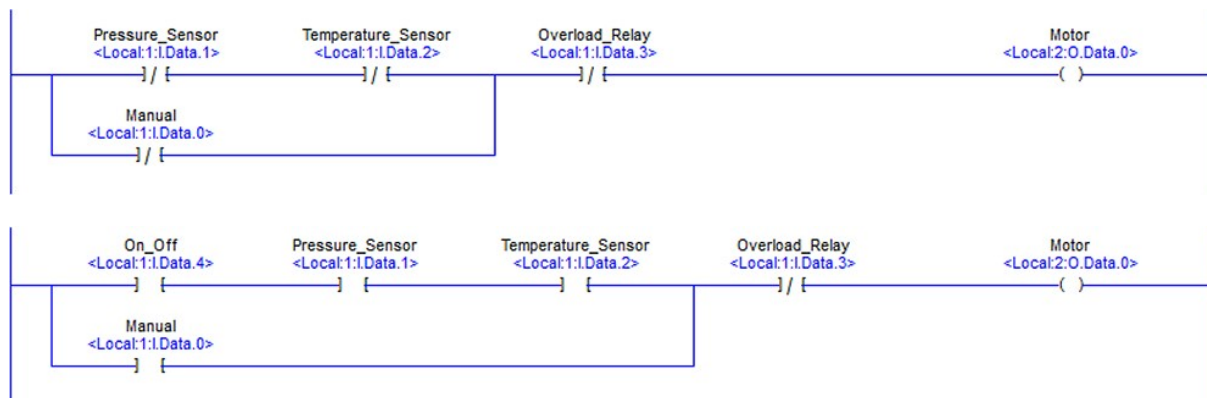
Software : Logix Pro PLC Simulator

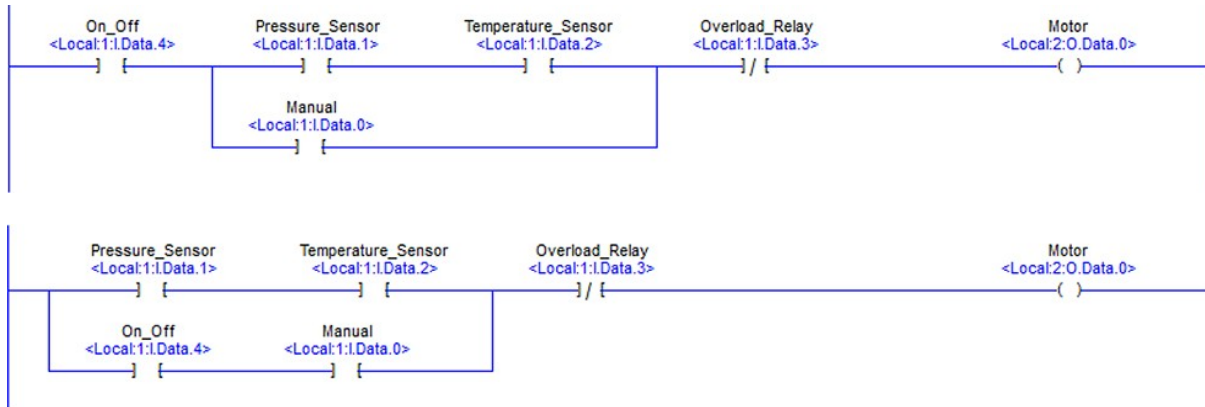
Software : 5000 Series PLC Simulator

Subtopic : Basic Ladder Instructions

Source : Chapter 1 Lab Manual > Selecting a Program to Replace Relay Logic

Which ladder program shows the original program modified to include a main on/off switch?





Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

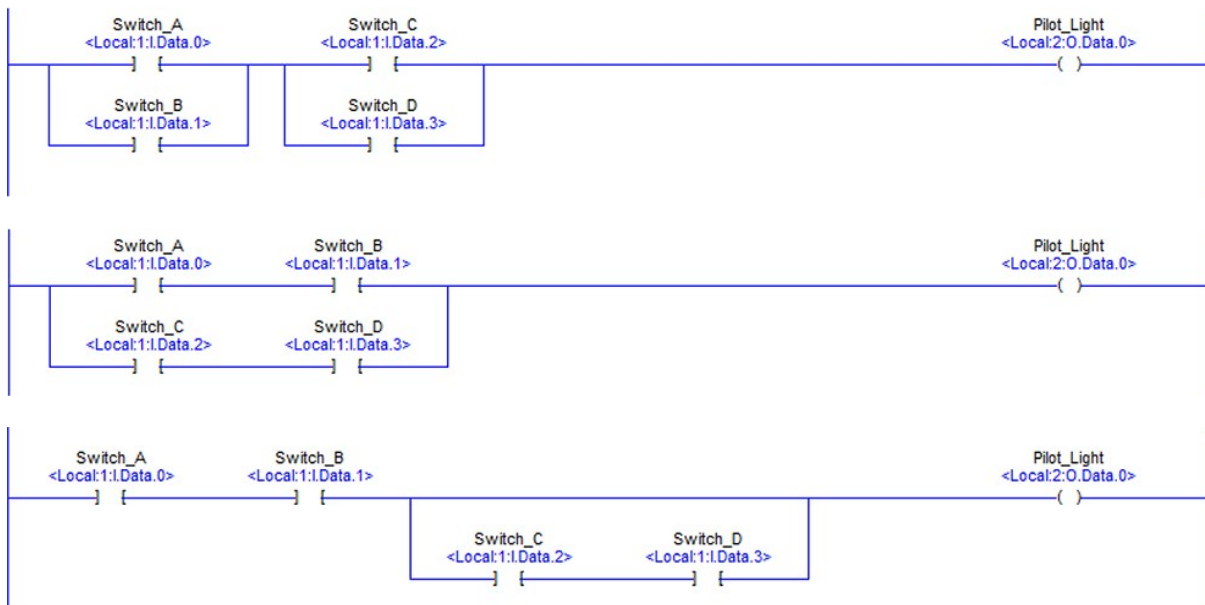
Software : Logix Pro PLC Simulator

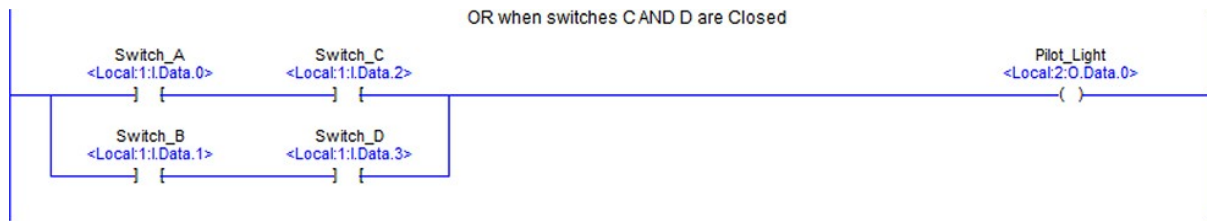
Software : 5000 Series PLC Simulator

Subtopic : Modifying Programs

Source : Chapter 1 Lab Manual > Modifying Program for On/Off Switch

Which ladder program will turn the pilot light if switches A and B or C and D are closed?





Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

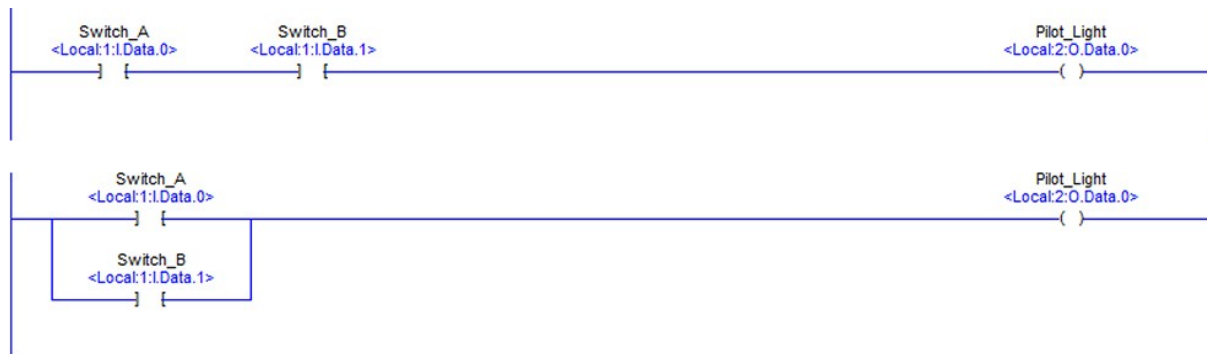
Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Interpreting Ladder Programs

Source : Chapter 1 Lab Manual > Turning a Light On With Four Switches

Which ladder program will turn the pilot light on when both switch A and switch B are closed?



Question Details

Accessibility : Screen Reader/Keyboard/CC

Chapter : 01 Programmable Logic Controllers (PLCs) An Overview

Skill : Application of Theory

Software : Logix Pro PLC Simulator

Software : 5000 Series PLC Simulator

Subtopic : Interpreting Ladder Programs

Source : Chapter 1 Lab Manual > Turning a Light On When Two Switches are Closed

Answer Key

Test name: Ch1 Lab Manual_Programmable Logic Controllers_2025

B

D

A

C

A

A

C

C

B

A