Sheikh Hasina University, Netrokona Department of Computer Science and Engineering

CSE-2205: Introduction to Mechatronics

Lec-25: Programmable Logic Controller (PLC)

Mechatronics: Electronic Control Systems in Mechanical Engineering by W. Bolton

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Dept. of Robotics and Mechatronics Engineering
University of Dhaka

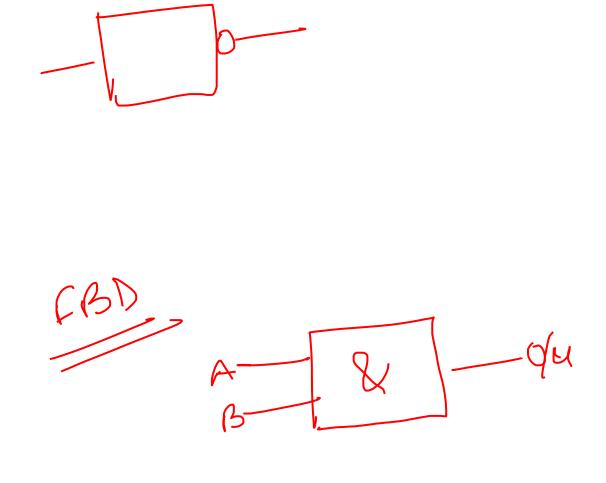
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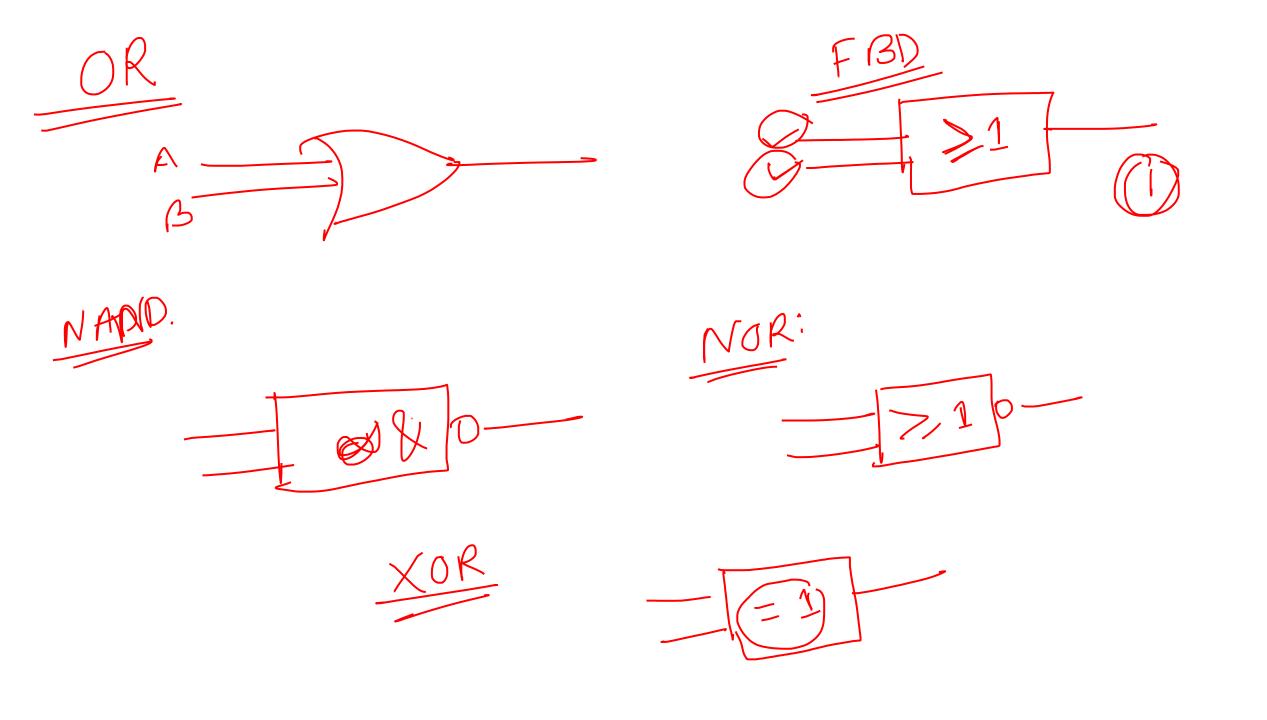
Adjunct Faculty
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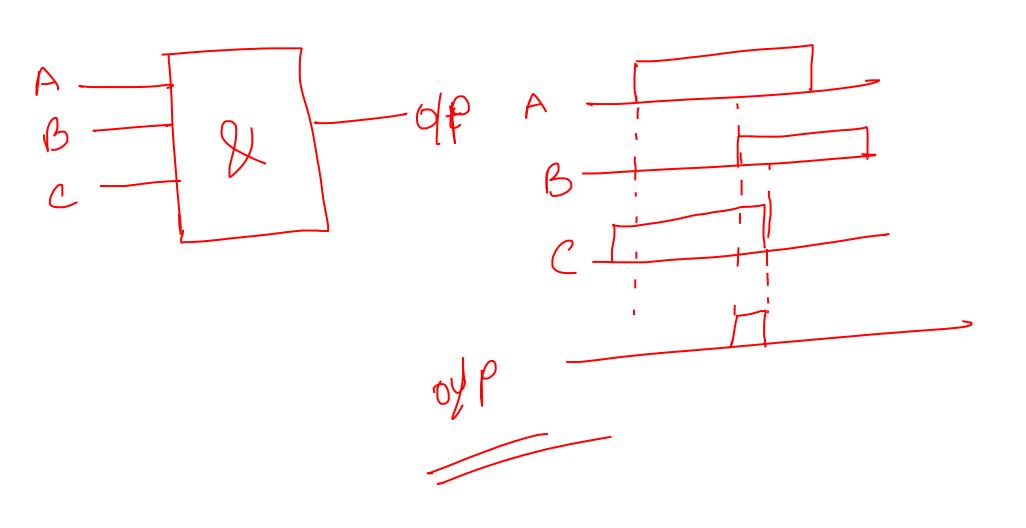
Function blocks: Function "mputs_



Logic Gates. NOT Got.



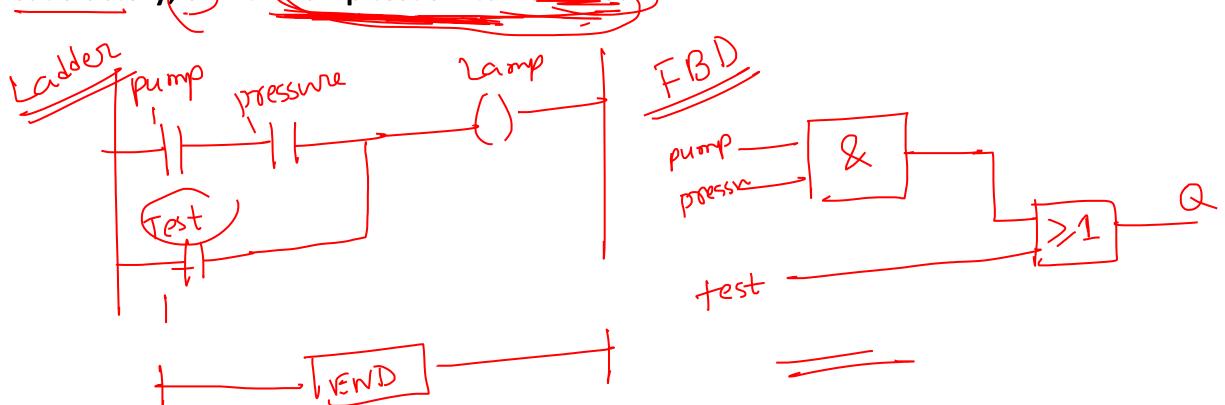




adder FB

Program examples



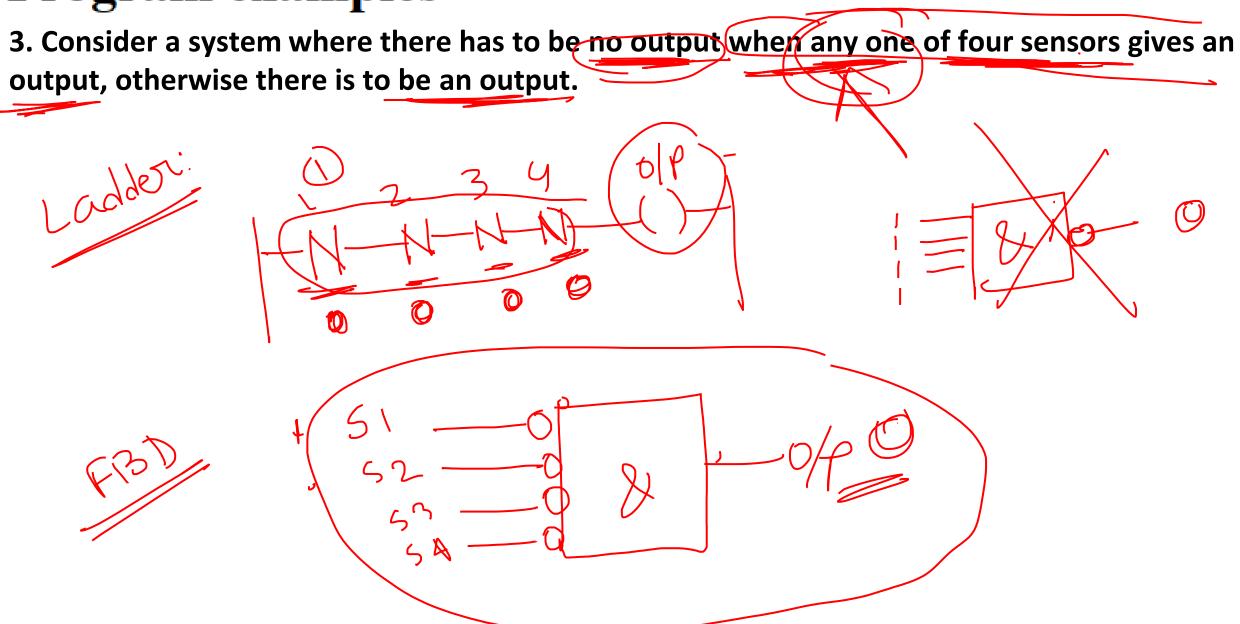


Program examples

2. Consider a valve which is to be operated to lift a load when a pump is running and either the lift switch is operated or a switch operated indicating that the load has not already been lifted and is at the bottom of its lift channel.

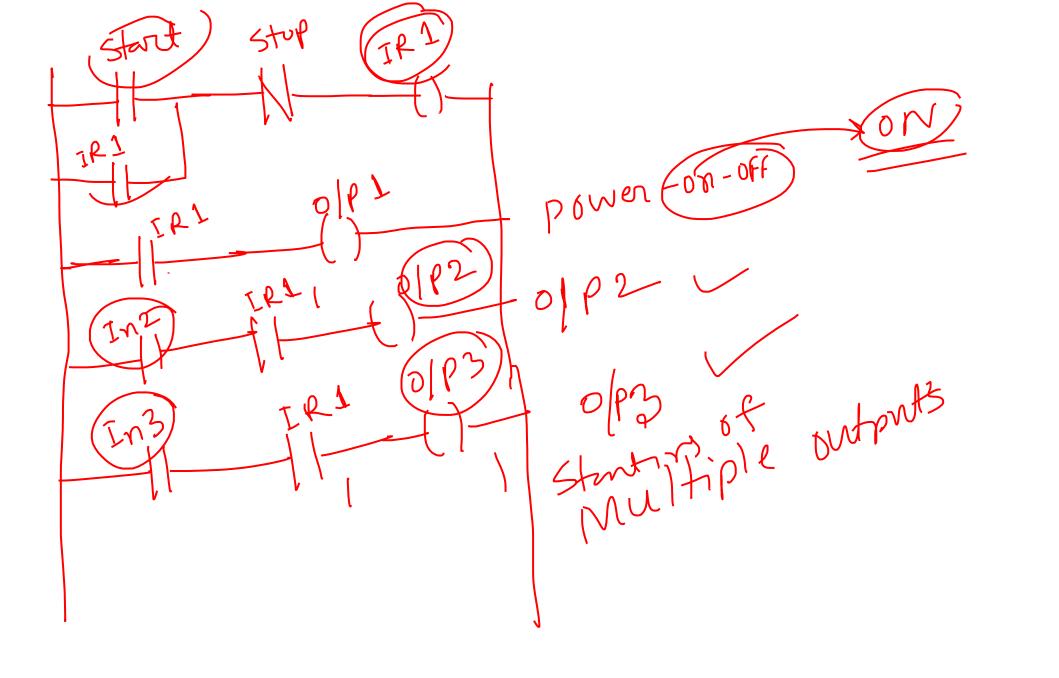
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Program examples

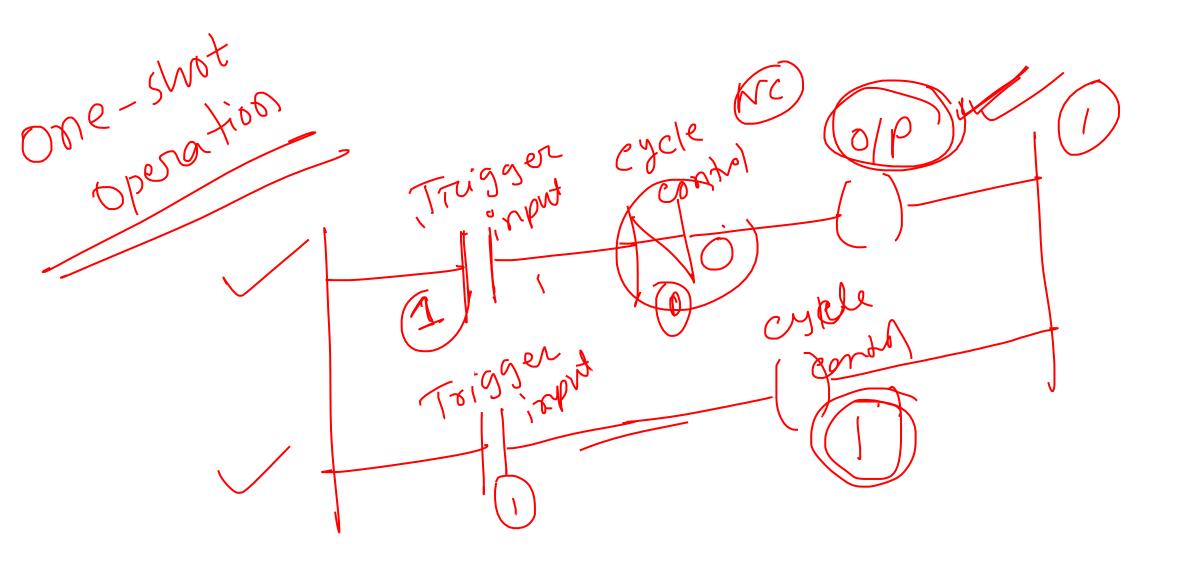


Internal Relays: ta (bits) 5 ecutye Inputs: Jn1 = Sensor on one side In 2 = Enable Switch In3 = Sensor on other · Motor

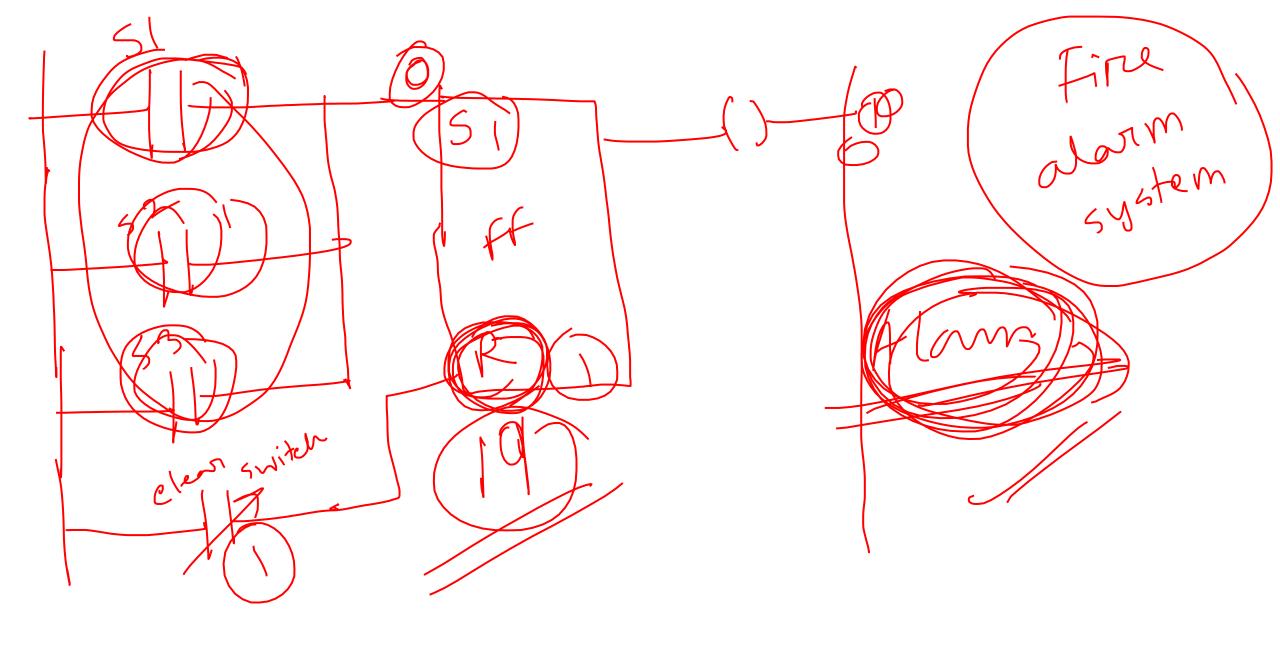
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ROLL, $\left(\mathsf{V} \right)$



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JR Blip-blop Invalid 2 BUP-BLOP TUDSIE