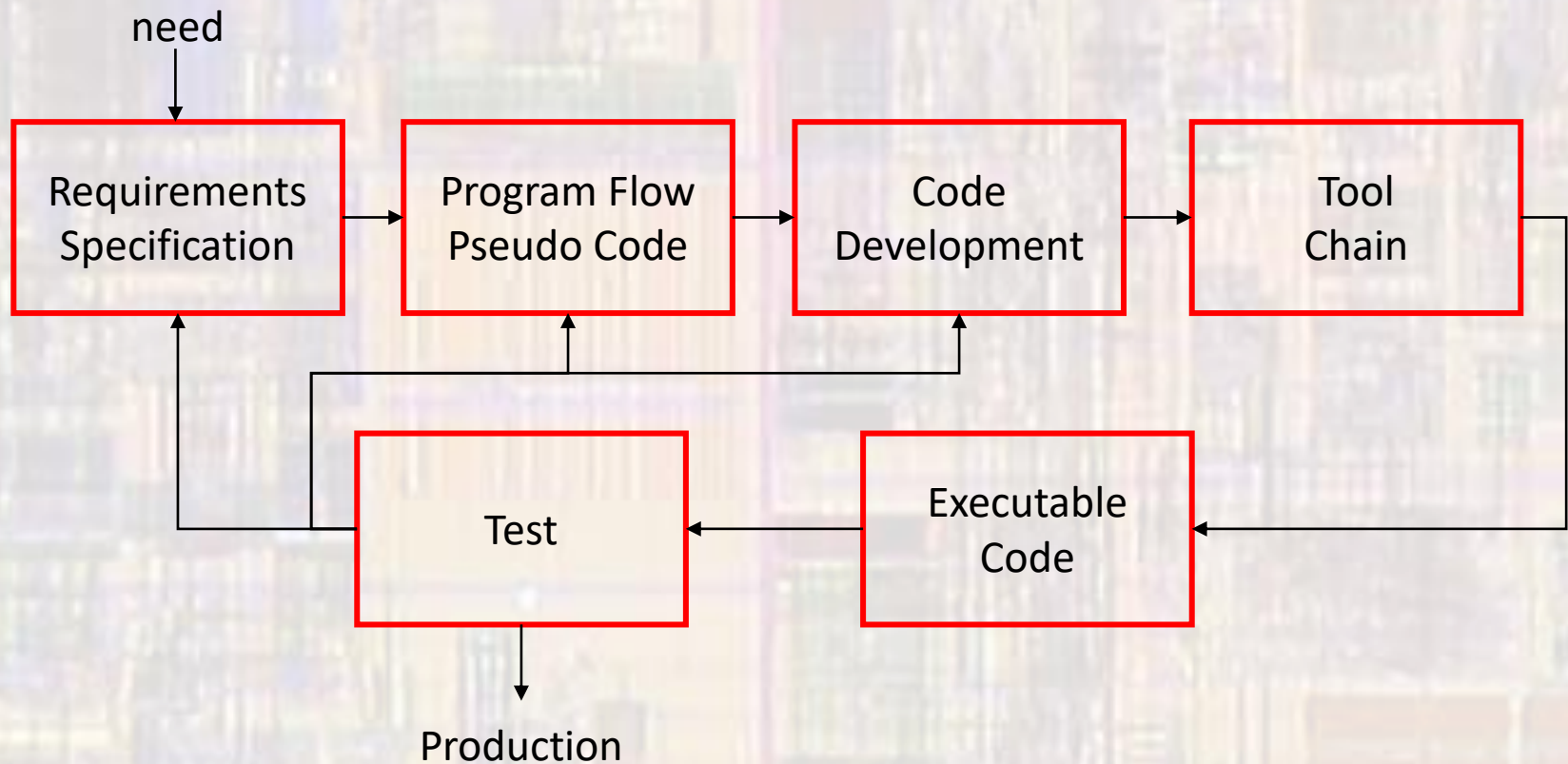


# Flow Diagrams

Last updated 6/30/21

# Flow Diagrams

- Development process

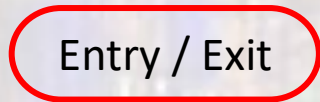


# Flow Diagrams

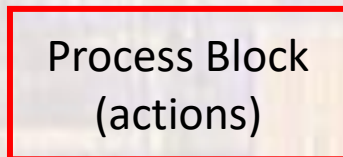
- Program Flow
  - Hierarchical system design
  - Up/Down sub-system design
  - Focus on general structure – not too specific

# Flow Diagrams

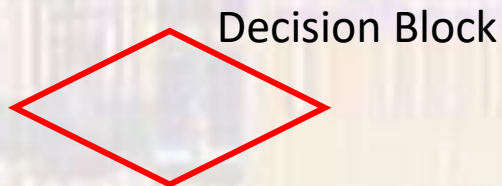
- Basic flow diagram blocks



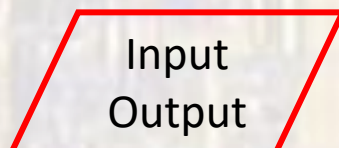
Start/end of this section of the flow diagram



Actions for the program to take  
Internal to the processor



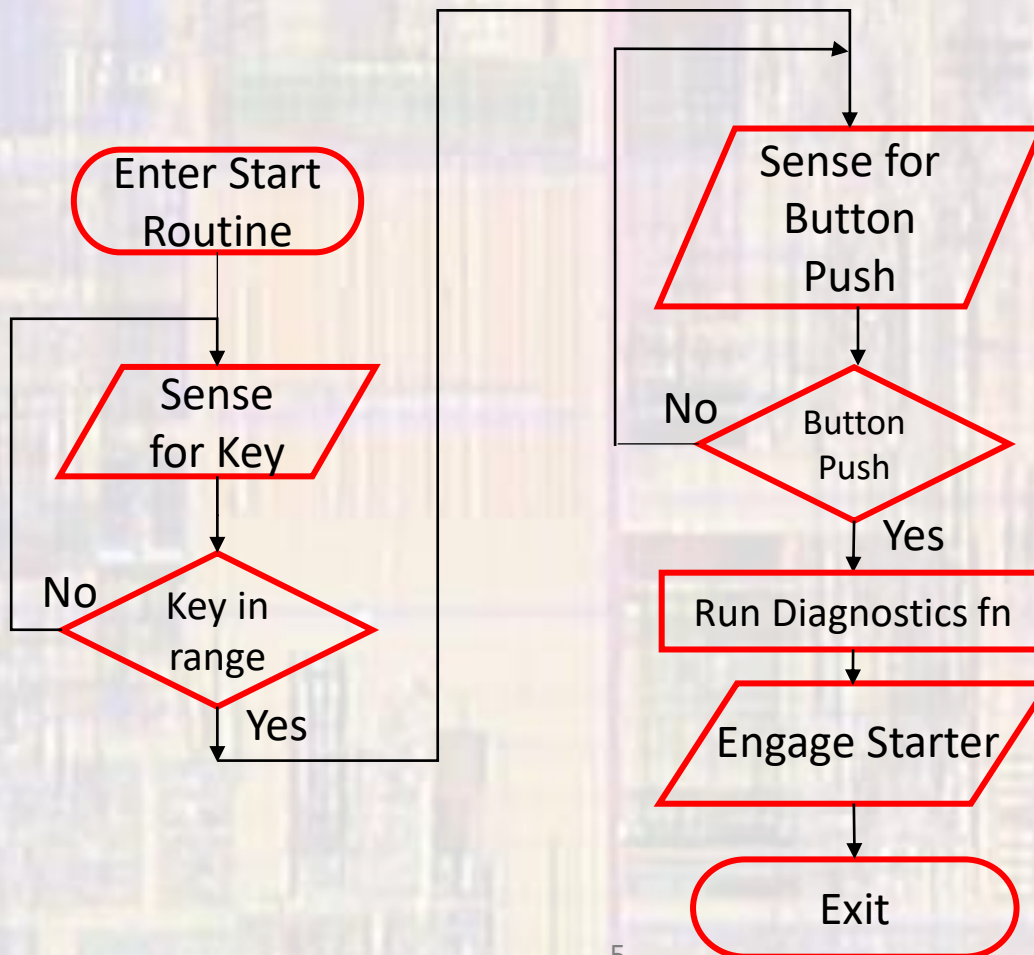
Flow direction options  
Y/N or T/F decisions



Actions associated with external entities  
outputs to screen or wires  
inputs from keyboard or wires

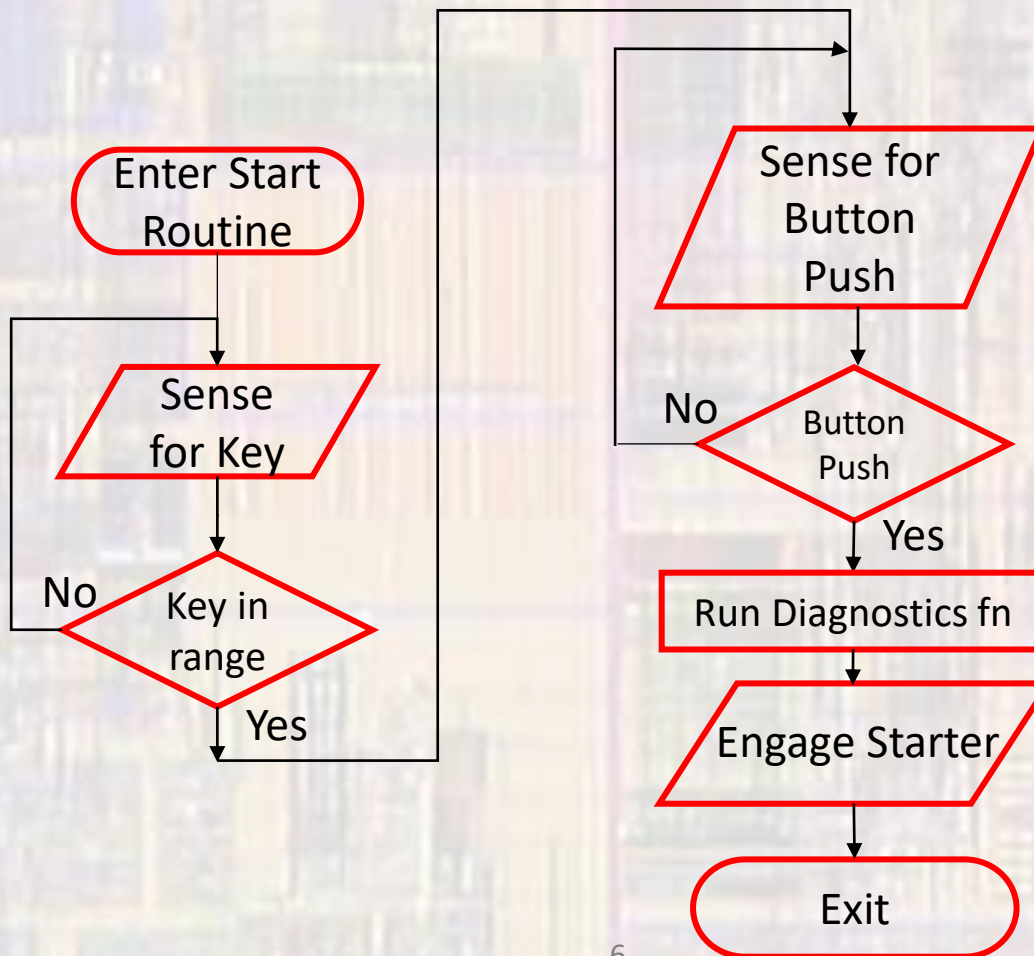
# Flow Diagrams

- Program Flow – Keyless Start



# Flow Diagrams

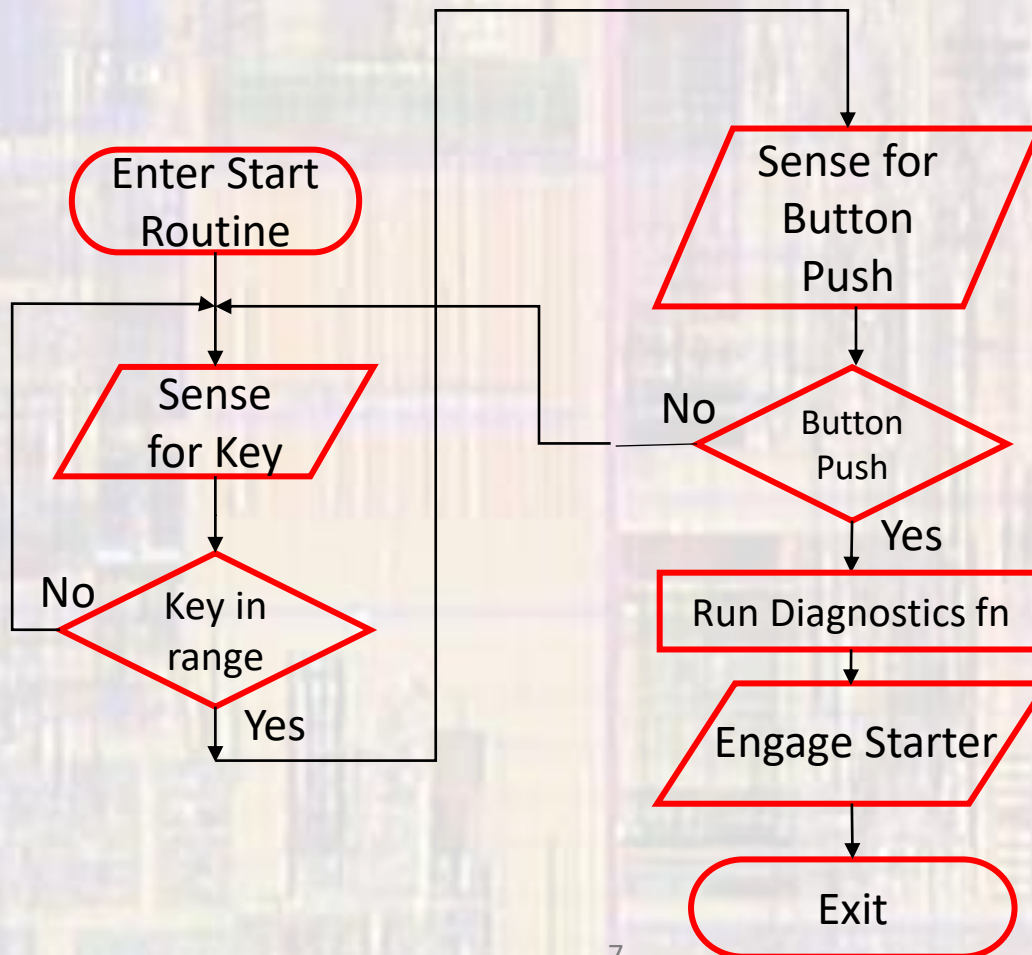
- Program Flow – Keyless Start



What's wrong?

# Flow Diagrams

- Program Flow – Keyless Start



# Flow Diagrams

- Pseudo Code – Keyless Start

In an infinite loop:

If Key present

    If button pushed

        run diagnostics fn

        engage starter

    end

end