22K-4187 - SYED SAMROZE ALK

## HOSIGNMENI #F03

## (QUESTION #01)

Contact bounce is a common problem that occurs when a switch or button is pressed, causing the contacts to sapidly open & close nultiple times before settling into a stable state. This can be cause issues in electronic circuits especially when the switch is used to trigges an event.

One remedy for contact bounce is the use of a debounce circuit which can eliminate or reduce the effect of bouncing contacts. It works by delaying the response to the switch or button until the contacts howe stabilized.

Following are several types of debource circuit

> RC debource circuit

> Sumitt Trigger Debounce circuit

+ Sylware Debouncing



