#### SELEC CONTROLS

## WINDOW COMPARATOR

# -SW Assignment 4-

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#### 1 Problem statement

Design "Window Comparator" function in which the output indicates whether the input signal is within the parameter range bounded by different thresholds.

### 2 Variable Specification

No.	Variable	Description	I/O	Data Type	Range	
1	lowerThresh (LT)	Lower Threshold set-point	Input	Unsigned Long Int	0	4294967295
2	upperThresh (UT)	Upper Threshold set-point	Input	Unsigned Long Int	0	4294967295
3	userInput (IS)	Input for comparision	Input	Unsigned Long Int	0	4294967295
4	winCompFlag	Off if IS $>$ UT or IS $<$ LT	Output	Bool	0	1

#### 3 Flowchart

## References

- [1] this is fun
- [2] this is also fun