SE-410 Homework 7

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1.)

Input x →

Input clock →

```
y = 0
If (clock != null)
        Then y = x
Else
        Then y = null
```

→ Output y
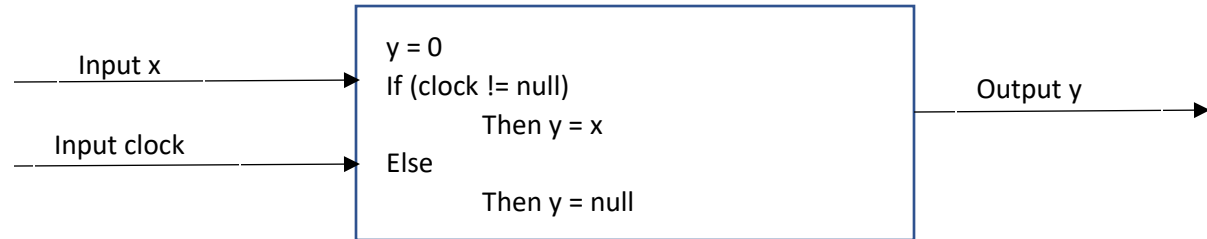
2.)

The input-output behavior of the above component is the output of the input x if the clock exists and a null output if the clock does not exist as an input. Which defines that component is reliant on the existence of the clock.