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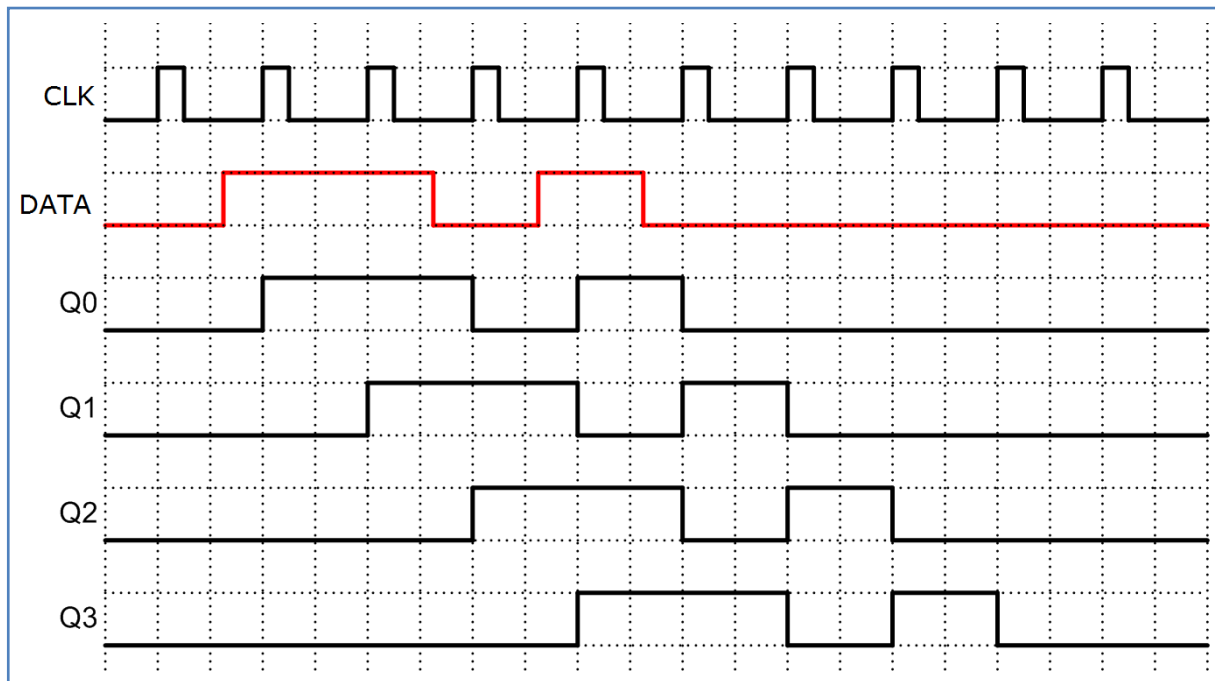
## Introduction To Digital Electronics – Lesson 8: Design A 4-Bit Shift Register

### FORMULAS

The following formulas and information are meant to go with the online lesson found here:  
[http://www.pyroelectro.com/edu/digital/shift\\_register/](http://www.pyroelectro.com/edu/digital/shift_register/)

### SHIFT REGISTER TIMING DIAGRAM

The following is the timing diagram for the 4-bit shift register we learned about in this lesson. Remember the clock governs when input and output change in the system, so it appears on the first line of the timing diagram.



### ADDITIONAL INFORMATION

If you have any questions about the formulas or information found in this document, please feel free to head on over to the forums and ask us some questions!

<http://www.pyroelectro.com/forums/viewforum.php?f=21>