TTL Gates

Please do the following exercises individually.

TTL Gates

Please find out which tasks the following TTL gates perform.

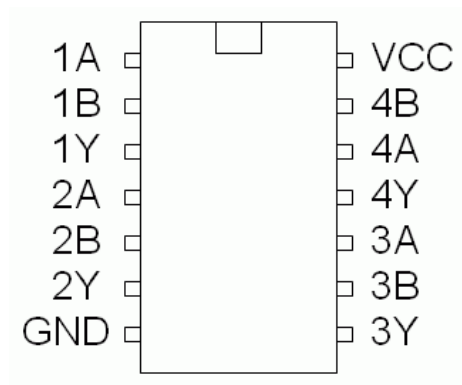7446:   7486:

7474:   74164:

The 7432 TTL Logic Gate

Please draw how the 7432 (Quadruple 2-Input Positive-OR Gates) is build up.

Working with datasheets

Please download the datasheet of the 74HC(t)86 from www.nxp.com. Find out its labeling, describe what it does and draw its pin-out.

TTL Gates

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TTL Gates
Please find out which tasks the following TTL gates perform.

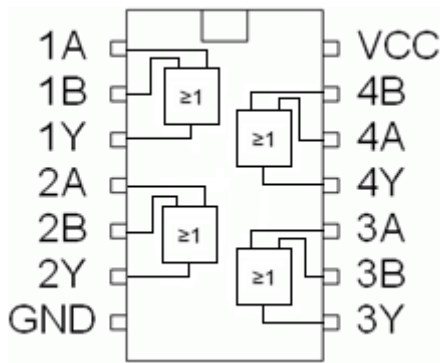7446:   BCD -> 7-Segment Decoder   7486:   Quadruple 2 Input XOR

7474:   Dual D flip-flop with preset & clear   74164: 8 Bit Serial Shift Register

The 7432 TTL Logic Gate
Please draw how the 7432 (Quadruple 2-Input Positive-OR Gates) is build up.

Working with datasheets
Please download the datasheet of the 74HC(t)86 from www.nxp.com. Find out its labeling, describe what it does and draw its pin-out.

According to the datasheet it is a *Quad 2-input EXCLUSIVE-OR gate*. It is similar to the 7432 gate and has four XORs with two input lines.