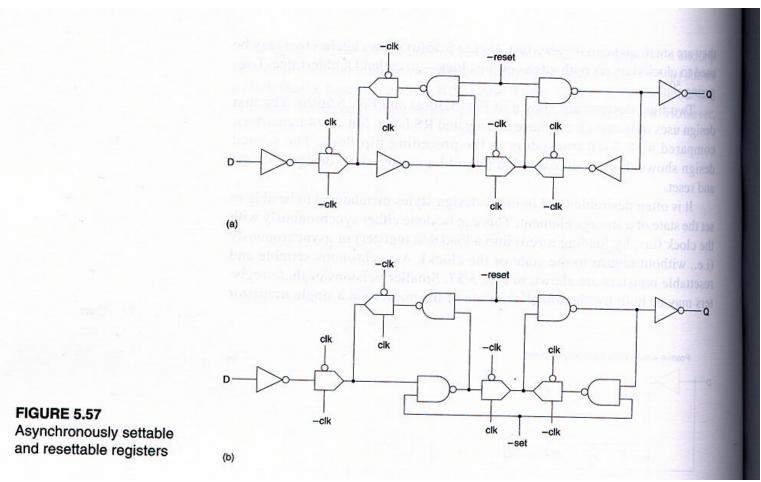


FIGURE 5.49 Pipelined system options: (a) a register based pipelined system; (b) a latch based pipelined system; (c) another example of a latch based pipeline system

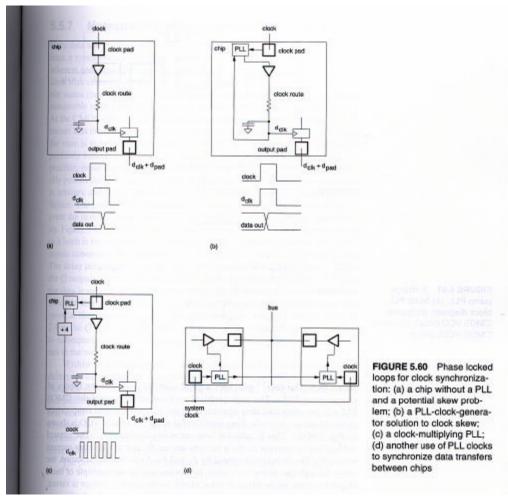
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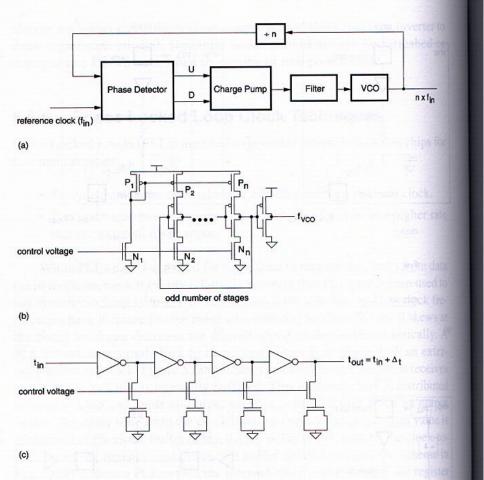
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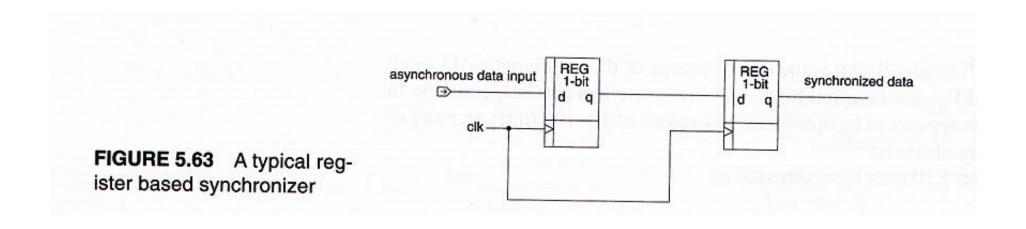


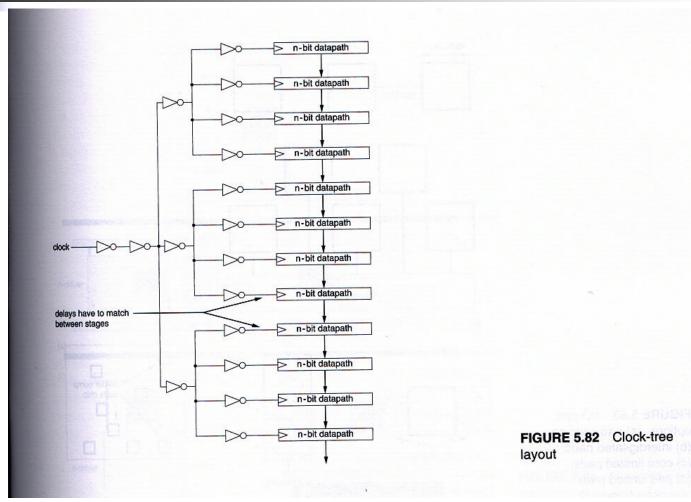


pump PLL: (a) basic PLL block diagram; (b) typical CMOS VCO circuit; (c) typical CMOS VCDL circuit

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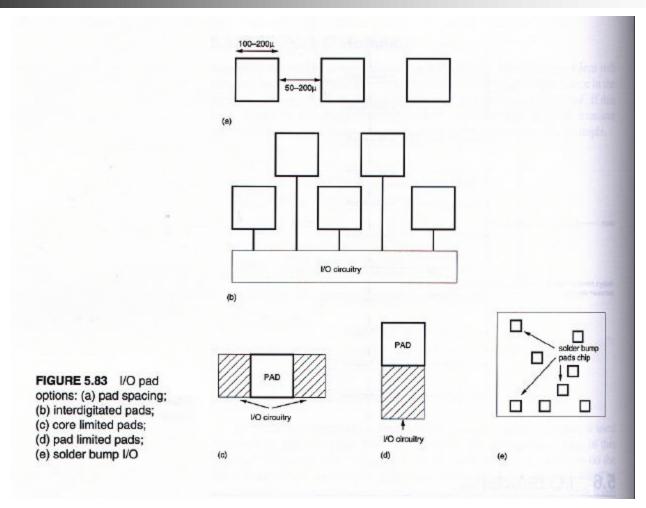






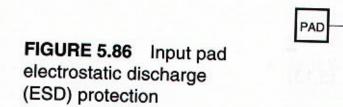
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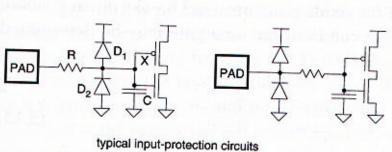




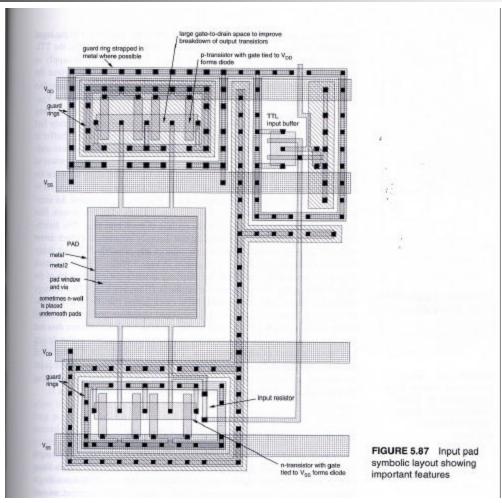
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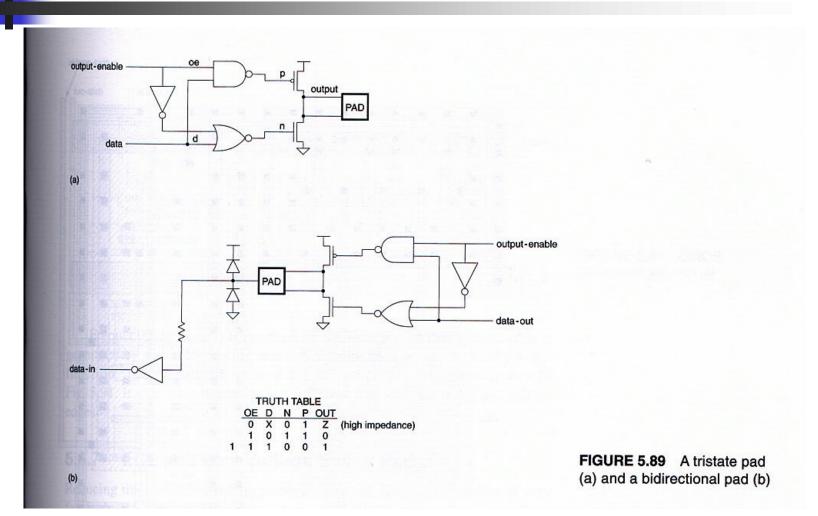






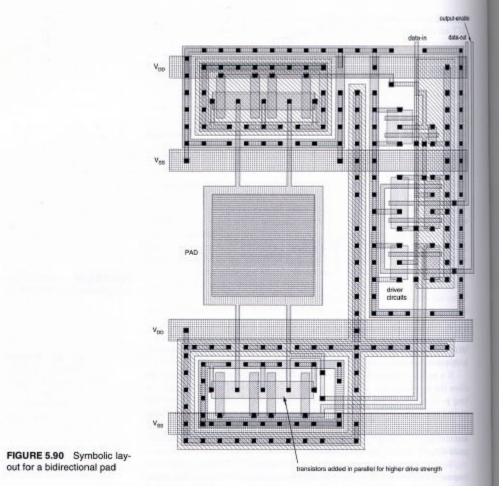


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