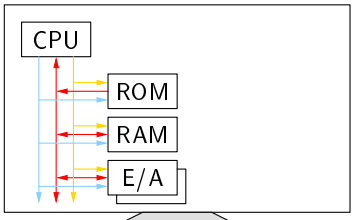
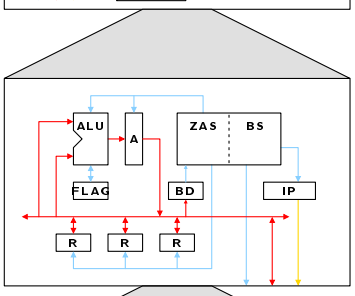
3.4.F Transistor als Schalter/Inverterstufe – Ergänzungen und Bilder

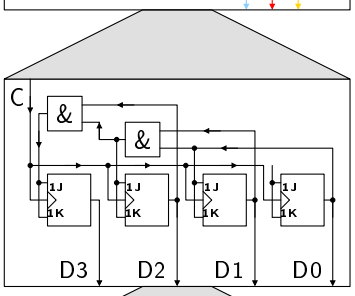
3.4.F.1 Hardware-Ebenen eines Computersystems



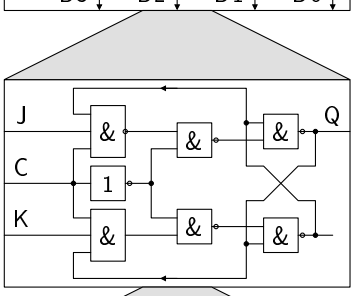
Computer (PC, *embedded system*)
besteht aus LSI-Elementen



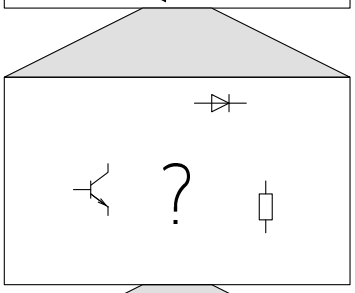
LSI-Element (CPU, RAM, ROM, Ein-/Ausgabebaustein)
besteht aus MSI-Elementen



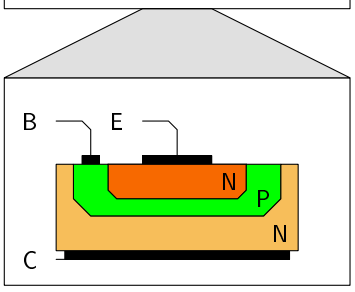
MSI-Element (Zähler, Bustreiber, Register, Multiplexer)
besteht aus SSI-Elementen



SSI-Element (Flip-Flop, Schaltnetz)
besteht aus Verknüpfungen



Verknüpfung (AND; OR, NOT)
besteht aus Schaltelementen



Schaltelement (Transistor, FET, Diode)
besteht aus Halbleiterschichten