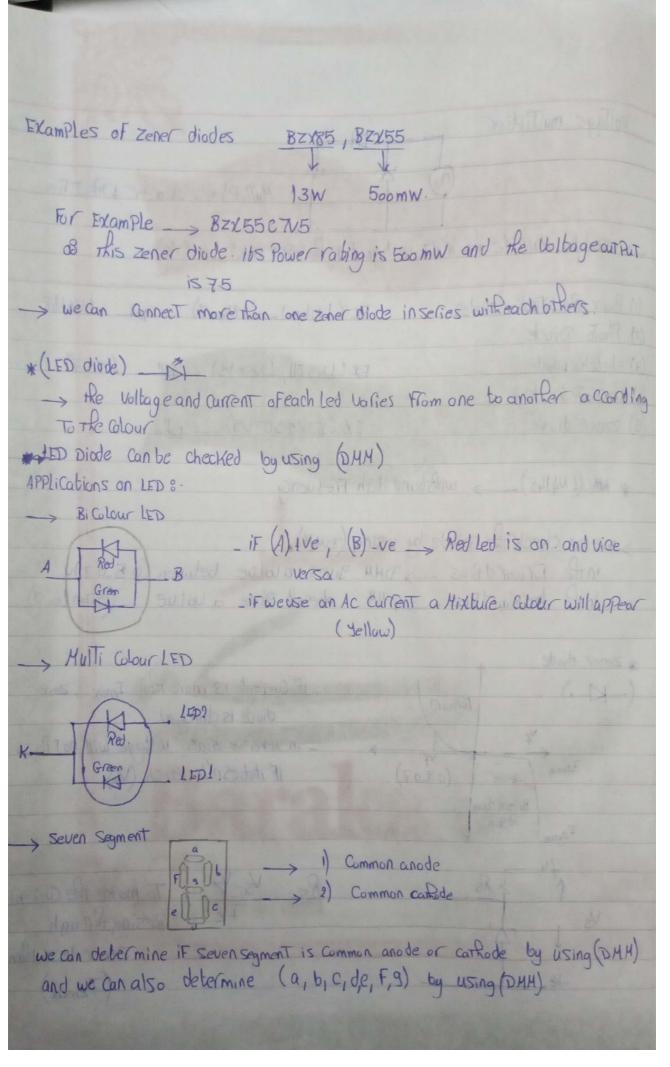
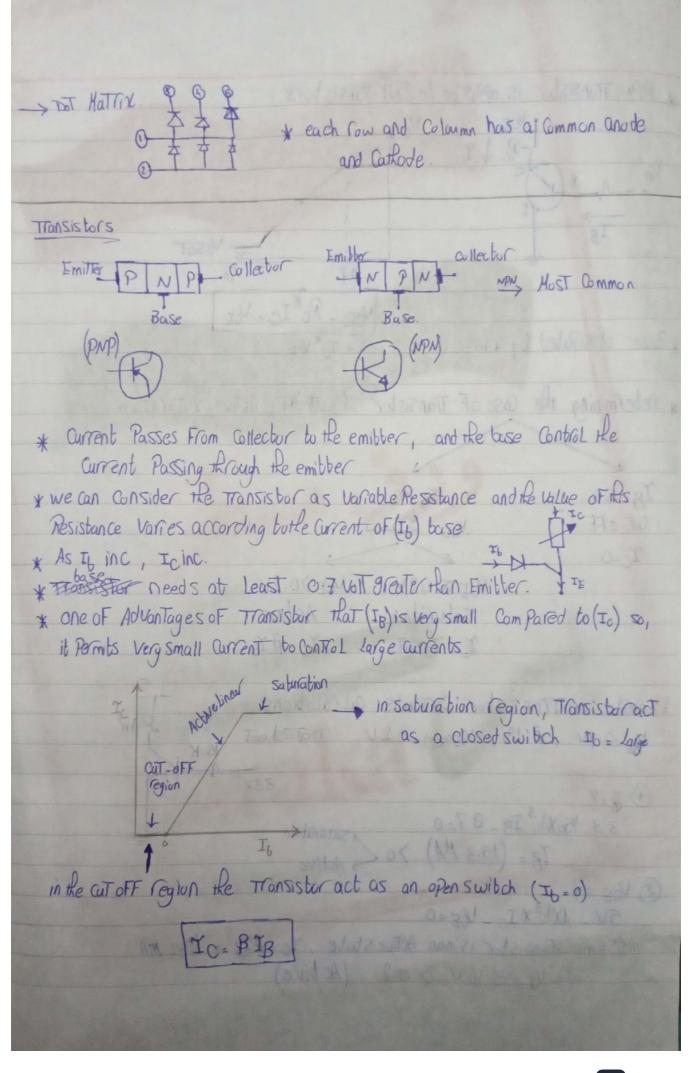
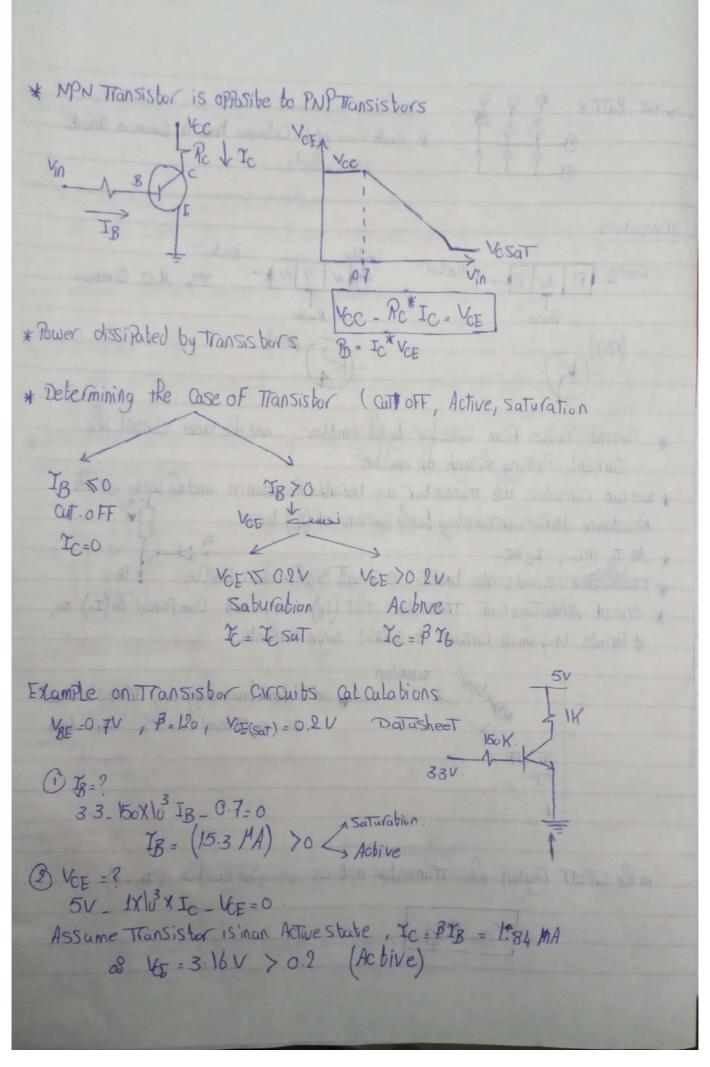
EX (IN4001 > 1N4007) - > 1N4148 (1) Power Rectification diodes (2) Photo Diude EX (1N5711, 1N5819) - 15 (<07) (3) Shottky Diode (4) varicap Diode EX (82X55C7U5) ____ (5) zener dia de * HAV (1 N4148) ___ withstand High Frequency. > we can check the Diode by using (DMM), in the Forward Bigs -> DMM gives a value between (0.5.0.7)v. inte backward Bias _ > DAM doesn't give a value (open loop) * zener diode - if Current is more than I max., zener diode is damaged _ in Reverse Bias voltage will not Pass iF itobespt reach (V2). PS = Vs-Vz, To make the Current Tz Possing through Zener Less than







Another Example on Determining Mode of thansistor 5_ loxTg -07-100 Ic =0 Assume Transister Active IC = BIB Tc=120 TB where B=120 5_ 10×103 TB-0.7_100×120 TB=0 TB = 1955 MA 70 -> Sat -> ACTIVE 12 - 1×103 TC - VOE - 100 TC = 0 TC = 120 X 1955MA = 235 mA 00 VCE = - 13.85 < 0.2 -> Saturation 124 & 12_ 1x103 TC - VCE - 100 TC = 0 TC = 10.73 m A * Some Examples on Common Transisturs (BC547, BC337, 2N2222, BD139, ...) * in case of using Transistor as a switch, It should be Horethan original trits value by 5 or 10 time. $R_B = \frac{V_N - V_{BE}}{T_B} = \frac{33-0.7}{0.91} = 2.857 \text{ k}\Omega$