$I_{C2} = (150mA)(4) = 600mA$

$h_{FE} = 60$

$I_{b2} = \frac{I_C}{h_{FE}} = \frac{600mA}{60} = 10mA$

assume $R3 = \infty$, $I_{b2} = \frac{I_C}{h_{FE}} = \frac{600mA}{60} = 10mA$ @ $I_{C_1} = 10mA$

$V_{R2} = 5V - V_{BE,SAT_1} = -V_{CE,SAT_1}$
$= 5V - (1.2V) - (6.25V)$
$= 3.55V$

$R2 = \frac{V_{R2}}{I_{R2}} = \frac{3.55V}{10mA(1.3)} = 273 \rightarrow 270\Omega$

$P_2 = I^2 R_2 = (10mA)^2(273)$
$\rightarrow = 270\,mW$ ≈ ½ W

$R3 = 10 \cdot R2$
$= 2.7k\Omega$

$\rightarrow 1210/3225$ ≈ ½ W

$I_{C_1} = 10mA$ $h_{FE} = 110$

$I_{b_1} = \frac{I_{C_1}}{h_{FE}} = \frac{10mA}{110} = 0.0909\,mA$

$V_{BE,SAT_1} = 0.7V$ @ $I_C = 10mA$

$V_{R1} = 3.3V - V_{BE,SAT_1} = 3.3V$
$= 3.3V - (0.7V) = 2.6V$

$R1 = \frac{V_{R1}}{I_{R_1}(1.3)} = \frac{2.6V}{(90.9uA)(1.3)} = 22k\Omega \rightarrow 22k\Omega$
$\rightarrow 20k\Omega$
$18k\Omega$

$0.148\,mW$

$R4 = 10 \cdot R1$
$= 180k\Omega$

3.3V

Q1 BC876/656 $h_{FE} = 110$ $I_C = 3.5mA$

$I_6 = \frac{I_C}{h_{FE}} = \frac{3.5mA}{110} = 0.0318\,mA = 31.8uA$

$V_{BE,SAT} = 0.7V$ @ $I_C = 10mA$

$R1 = \frac{V_{CC} - V_{BE}}{(I_{B})(1.3)} = \frac{3.3 - 0.7}{(31.8uA)(1.3)} = 62.893k\Omega \rightarrow 62k\Omega$
$R2 \approx 62k\Omega$

$R2 = 10 \cdot R1$
$R2 \approx 620k\Omega$