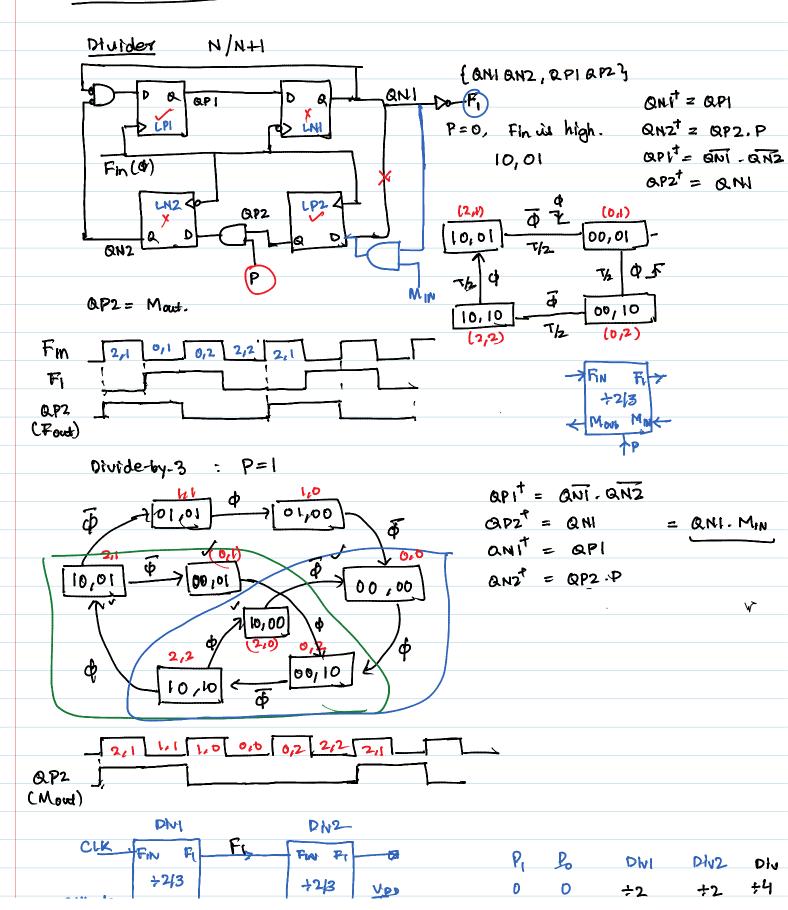
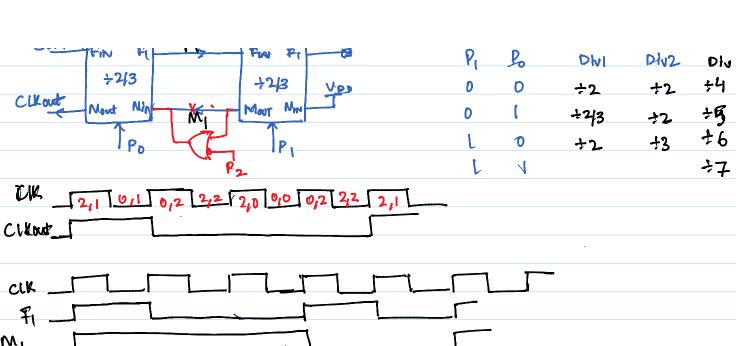
Fractional-N PLL







CLEON Seamless switching across whole range.

Po

Pr

Pr

RSTB

$$n_{sd}(z) = n_{frac}(z) STF(z) + q(z) NTF(z)$$

$$N_{sq}(k) = \chi(k) + q(k)$$

$$=) n_{frac}(z) - (NTF(z) - 1) \times -q(z) = n_{sa}(z) - q(z)$$

$$n_{sd}(z) = n_{frac}(z) + q(z) NTF(z)$$
 $n_{frac}(z) + q(z) NTF(z)$

