$$I_{DS} = K * \ ln\left(1 + exp\left(\frac{V_{GS} - 1.7}{\frac{slp}{26}}\right)\right) * \frac{V_{DS}}{1 \ + \max(x0_0 + x0_1 * (V_{GS} + 4.1), 0.2) * V_{DS}} \quad V_{DS} > 0$$

$$I_{DS} = -K * ln\left(1 + exp\left(\frac{V_{GD} - 1.7}{\frac{slp}{21}}\right) * \frac{V_{SD}}{1 \ + \max(x0_0 + x0_1 * (V_{GD} + 6.1), 0.2) * V_{SD}}\right) \ V_{DS} \leq 0$$

$$K = cur * 0.8 * \left(\frac{T - 25 + 273}{300}\right)^{-2.7}$$

$$cur = \left\{\left(\frac{0.85}{3.6}\right) * \left(0.069 * \frac{75}{80}\right) * 295\right\} = 0{,}4685890625$$

$$Rd = \frac{3.6}{4} * 0.95 * 0.82 * \frac{1 - \left(-0.128 * (T - 25)\right)}{295} * 18.2$$

$$Rs = \frac{3.6}{4} * 0.95 * 0.82 * \frac{1 - \left(-0.128 * (T - 25)\right)}{295}$$