Bancor v2 Real Curve Relationship between curves

$$P_{low\_1} = P_{high\_2} \Leftrightarrow$$

$$\frac{A^2}{(A-1)^2} * \frac{y_{0\_1}}{x_{0\_1}} = \frac{(A-1)^2}{A^2} * \frac{y_{0\_2}}{x_{0\_1}} \Leftrightarrow$$

$$\frac{x_{0_2}}{y_{0_2}} * \frac{y_{0_1}}{x_{0_1}} = \frac{(A-1)^4}{A^4} \Leftrightarrow$$

$$\frac{P_{0_1}}{P_{0_2}} = \frac{(A-1)^4}{A^4} \Leftrightarrow$$

Considering P_{0_1} as a constant:

$$P_{0_2} = \frac{P_{0_1} * A^4}{(A-1)^4} \Leftrightarrow$$

$$\frac{y_{0_2}}{x_{0_2}} = \frac{P_{0_1} * A^4}{(A-1)^4} \Leftrightarrow$$

With $\mathrm{K} = \frac{P_{0_1} * A^4}{(A-1)^4}$:

$$\frac{y_{0_2}}{x_{0_2}} = K \Leftrightarrow$$

$$y_{0_2} = K * x_{0_2}$$