$$d_i = \frac{\lambda}{4\pi\left(10^{\frac{P_r - P_t - G_t - G_r}{20}}\right)}$$

$$\begin{pmatrix} 2x_1 - 2x_0 & 2y_1 - 2y_0 \end{pmatrix} = \begin{pmatrix} d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2 \end{pmatrix}$$

$$\begin{aligned}
2(x_1 - x_0)x + 2(y_1 - y_0)y &= d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2 \\
2(y_1 - y_0)y &= d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2 - 2(x_1 - x_0)x \\
y &= \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2 - 2(x_1 - x_0)x}{2(y_1 - y_0)} \\
y &= \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{2(x_1 - x_0)x}{2(y_1 - y_0)} \\
y &= \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{(x_1 - x_0)x}{(y_1 - y_0)} \\
y &= \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{x_1 - x_0}{y_1 - y_0}x \\
g &= \frac{y_1 - y_0}{x_1 - x_0} \\
y - y_0 &= g(x - x_0) \\
y &= \left(\frac{y_1 - y_0}{x_1 - x_0}\right)(x - x_0) + y_0 \\
y &= \frac{y_1 - y_0}{x_1 - x_0}x - \frac{y_1 - y_0}{x_1 - x_0}x_0 + y_0 \\
\frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{x_1 - x_0}{y_1 - y_0}x &= \frac{y_1 - y_0}{x_1 - x_0}x - \frac{y_1 - y_0}{x_1 - x_0}x_0 + y_0 \\
\frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} + \frac{y_1 - y_0}{x_1 - x_0}x_0 - y_0 &= \frac{y_1 - y_0}{x_1 - x_0}x + \frac{x_1 - x_0}{y_1 - y_0}x
\end{aligned}$$