$$\bar{n}_1' = (2x_1+1)(2u_1+1) - 2\Delta x_{1,2}\Delta_1$$
$$\bar{n}_2' = (2x_2+1)(2u_2+1) - 2\Delta x_{1,2}\Delta_2$$

$$\Rightarrow (2u_1+1) = (-\Delta_2+\Delta_1+1)\,x_2 \overset{\rightarrow}{=} (-\Delta_2+\Delta_1+1)(2x_2y_2+x_2+y_2)$$
$$(2u_2+1) = (-\Delta_2+\Delta_1+1)\,x_1 \overset{\rightarrow}{=} (-\Delta_2+\Delta_1+1)\underbrace{(2x_1y_1+x_1+y_1)}_{((2x_1+1)(2y_1+1)-1)\frac{1}{2}}$$

Be: $x_2 > x_1$, $2x_2+1 = (2x_1+1)(2x_1'+1)$

$$0 = (2x_1+1)(2x_1'+1)(2u_2+1) - 2\Delta x_{1,2}\Delta_2$$
$$-(2x_1+1)(2u_1+1) + 2\Delta x_{1,2}\Delta_1$$

$$(2x_1+1)(2u_1+1) = (2x_1+1)(2x_1'+1)(2u_2+1) - 2\Delta x_{1,2}\Delta_2 + 2\Delta x_{1,2}\Delta_1$$

$$(2u_1+1) = (2x_1'+1)(2u_2+1) + 2\Delta x_{1,2}\frac{(-\Delta_2+\Delta_1)}{2x_1+1}$$
$$= (2x_1'+1)(-\Delta_2+\Delta_1+1)\left((2x_1+1)(2y_1+1)-1\right)\frac{1}{2} + 2\Delta x_{1,2}\frac{-\Delta_2+\Delta_1}{2x_1+1}$$
$$= (2x_1'+1)(2x_1+1)(2y_1+1)(-\Delta_2+\Delta_1+1)\cdot\frac{1}{2} - (2x_1'+1)(-\Delta_2+\Delta_1+1)\frac{1}{2} + 2\Delta x_{1,2}\frac{-\Delta_2+\Delta_1}{2x_1+1}$$