Be $x_1 = x_2 + \Delta x_{12}$ | $\Delta x_{12} \in \mathbb{Z}^-$, $x_2 > x_1$

$0 = (2x_2+1)(2u_2+1) + 2\Delta x_{12}\Delta_2$

$-(2x_2+1)(2u_1+1)$

$x_1 = x_2 - \Delta x_{12}$

$0 = (2x_2+1)(2u_2+1) - 2\Delta x_{12}\Delta_2$

$-(2x_2+1)(2u_1+1) + 2\Delta x_{12}(2u_2+1) + 2\Delta x_{12}\Delta_1$

Be $(2x_2+1) = (2x_1+1)(2x_1'+1)$

$(2x_1+1)(2x_1'+1)$

$0 = (2x_2+1)(2u_2+1) - 2\Delta x_{12}\Delta_2$

$-(2x_1+1)(2x_1'+1)(2u_1+1) + 2\Delta x_{12}(2u_2+1) + 2\Delta x_{12}\Delta_1$

$(2x_1+1)(2x_1'+1)(2u_1+1)$

$= (2x_1+1)(2x_1'+1)(2u_2+1) - 2\Delta x_{12}\Delta_2$

$+ 2\Delta x_{12}(2u_2+1) + 2\Delta x_{12}\Delta_1$

$2u_1+1 = (2u_2+1) + 2\Delta x_{12}\dfrac{(-\Delta_2+\Delta_1)+(2u_2+1)}{(2x_1+1)(2x_1'+1)}$

Be $u_1 = (-\Delta_2+\Delta_1+\alpha)(2x_1x_1' + x_1 + x_1') + \gamma$

$\Rightarrow 2u_1+1 = (2u_2+1) + 2\Delta x_{12}\dfrac{(-\Delta_2+\Delta_1)+2\cdot(-\Delta_2+\Delta_1+\alpha)(2x_1x_1'+x_1+x_1')+2\gamma+1}{(2x_1+1)(2x_1'+1)}$

$= (2u_2+1) + 2\Delta x_{12}\dfrac{(-\Delta_2+\Delta_1)+2\cdot(-\Delta_2+\Delta_1)(2x_1x_1'+x_1+x_1')+2\alpha(2x_1x_1'+x_1+x_1)}{(2x_1+1)(2x_1'+1)}$

$+\dfrac{2\gamma+1}{(2x_1+1)(2x_1'+1)}$

$= (2u_2+1) + 2\Delta x_{12}(-\Delta_2+\Delta_1)\dfrac{1+2(2x_1x_1'+x_1+x_1')}{(2x_1+1)(2x_1'+1)}$

$+ 2\Delta x_{12}\dfrac{2\alpha(2x_1x_1'+x_1+x_1')+2\gamma+1}{(2x_1+1)(2x_1'+1)}$