$$\begin{array}{c}
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} \\
0 = \frac{(1-a)^2}{1-a^2} e_{xx} e_{x} - \frac{s_1^2 + s_2^2}{2a^2} e_{xx} - \frac{s_1$$