


Reduction for s_1

$$\left[\begin{pmatrix} s_1 \\ s_4 \end{pmatrix} \begin{pmatrix} s_2 \\ s_5 \end{pmatrix} \begin{pmatrix} s_3 \\ s_6 \end{pmatrix} \right]$$

plus

$$\left[\begin{pmatrix} -2s_1 \\ -s_1 \end{pmatrix} \begin{pmatrix} s_1 \\ s_1 \end{pmatrix} \begin{pmatrix} s_1 \\ s_1 \end{pmatrix} \right]$$

then exchange appropriate
real and imaginary components

$$\left[\begin{pmatrix} s_1 \\ s_4 \end{pmatrix} \begin{pmatrix} s_2 \\ s_5 \end{pmatrix} \begin{pmatrix} s_3 \\ s_6 \end{pmatrix} \right]$$


or

$$\left[\begin{pmatrix} s_1 \\ s_4 \end{pmatrix} \begin{pmatrix} s_2 \\ s_5 \end{pmatrix} \begin{pmatrix} s_3 \\ s_6 \end{pmatrix} \right]$$
