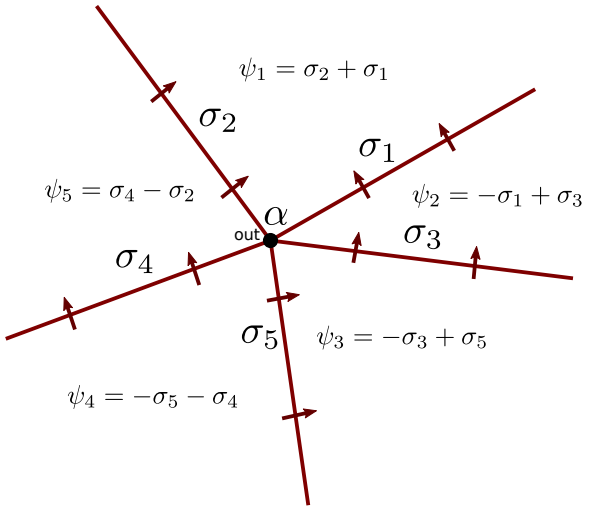

$$\sigma_1 \times \sigma_1 = k_{1,1} \cdot \alpha \quad \sigma_1 \times \sigma_2 = k_{1,2} \cdot \alpha \quad \sigma_1 \times \sigma_3 = k_{1,3} \cdot \alpha \quad \sigma_1 \times \sigma_4 = k_{1,4} \cdot \alpha \quad \sigma_1 \times \sigma_5 = k_{1,5} \cdot \alpha$$

$$\sigma_2 \times \sigma_1 = k_{2,1} \cdot \alpha \quad \sigma_2 \times \sigma_2 = k_{2,2} \cdot \alpha \quad \sigma_2 \times \sigma_3 = k_{2,3} \cdot \alpha \quad \sigma_2 \times \sigma_4 = k_{2,4} \cdot \alpha \quad \sigma_2 \times \sigma_5 = k_{2,5} \cdot \alpha$$

$$\sigma_3 \times \sigma_1 = k_{3,1} \cdot \alpha \quad \sigma_3 \times \sigma_2 = k_{3,2} \cdot \alpha \quad \sigma_3 \times \sigma_3 = k_{3,3} \cdot \alpha \quad \sigma_3 \times \sigma_4 = k_{3,4} \cdot \alpha \quad \sigma_3 \times \sigma_5 = k_{3,5} \cdot \alpha$$

$$\sigma_4 \times \sigma_1 = k_{4,1} \cdot \alpha \quad \sigma_4 \times \sigma_2 = k_{4,2} \cdot \alpha \quad \sigma_4 \times \sigma_3 = k_{4,3} \cdot \alpha \quad \sigma_4 \times \sigma_4 = k_{4,4} \cdot \alpha \quad \sigma_4 \times \sigma_5 = k_{4,5} \cdot \alpha$$

$$\sigma_5 \times \sigma_1 = k_{5,1} \cdot \alpha \quad \sigma_5 \times \sigma_2 = k_{5,2} \cdot \alpha \quad \sigma_5 \times \sigma_3 = k_{5,3} \cdot \alpha \quad \sigma_5 \times \sigma_4 = k_{5,4} \cdot \alpha \quad \sigma_5 \times \sigma_5 = k_{5,5} \cdot \alpha$$

$$k_{1,1} = k_{2,2} = k_{3,3} = k_{4,4} = k_{5,5} = 0$$

$$k_{1,2} = -k_{2,1} \quad k_{1,3} = -k_{3,1} \quad k_{1,4} = -k_{4,1} \quad k_{1,5} = -k_{5,1}$$
$$k_{2,3} = -k_{3,2} \quad k_{2,4} = -k_{4,2} \quad k_{2,5} = -k_{5,2}$$
$$k_{3,4} = -k_{4,3} \quad k_{3,5} = -k_{5,3}$$
$$k_{4,5} = -k_{5,4}$$

$$\psi_1 \times \psi_1 = 0 \quad \psi_1 \times \psi_2 = -0.5 \cdot \alpha \quad \psi_1 \times \psi_3 = 0 \quad \psi_1 \times \psi_4 = 0 \quad \psi_1 \times \psi_5 = 0.5 \cdot \alpha$$

$$\psi_2 \times \psi_1 = 0.5 \cdot \alpha \quad \psi_2 \times \psi_2 = 0 \quad \psi_2 \times \psi_3 = -0.5 \cdot \alpha \quad \psi_2 \times \psi_4 = 0 \quad \psi_2 \times \psi_5 = 0$$

$$\psi_3 \times \psi_1 = 0 \quad \psi_3 \times \psi_2 = 0.5 \cdot \alpha \quad \psi_3 \times \psi_3 = 0 \quad \psi_3 \times \psi_4 = -0.5 \cdot \alpha \quad \psi_3 \times \psi_5 = 0$$

$$\psi_4 \times \psi_1 = 0 \quad \psi_4 \times \psi_2 = 0 \quad \psi_4 \times \psi_3 = 0.5 \cdot \alpha \quad \psi_4 \times \psi_4 = 0 \quad \psi_4 \times \psi_5 = -0.5 \cdot \alpha$$

$$\psi_5 \times \psi_1 = -0.5 \cdot \alpha \quad \psi_5 \times \psi_2 = 0 \quad \psi_5 \times \psi_3 = 0 \quad \psi_5 \times \psi_4 = 0.5 \cdot \alpha \quad \psi_5 \times \psi_5 = 0$$