Parameter space

$$S = \frac{1}{\sqrt{2}} (v_1 + h_1) + \frac{i}{\sqrt{2}} A_1$$
$$S' = \frac{1}{\sqrt{2}} (v_2 + h_2) + \frac{i}{\sqrt{2}} A_2$$

$$S' = \frac{1}{\sqrt{2}} \left(v_2 + h_2 \right) + \frac{i}{\sqrt{2}} A_2$$