

F2

$$v_2 + J_{12}/2 + J_{23}/2$$

$$v_2 - J_{12}/2 + J_{23}/2$$

$$v_2 + J_{12}/2 - J_{23}/2$$

$$v_2 - J_{12}/2 - J_{23}/2$$

$$v_1 - J_{12}/2 - J_{13}/2$$

$$v_1 - J_{12}/2 + J_{13}/2$$

$$v_1 + J_{12}/2 - J_{13}/2$$

$$v_1 + J_{12}/2 + J_{13}/2$$

F1

