$$\mathcal{B}_{i \to i} = \{I, b_{i \to i, 2}, \cdots, b_{i \to i, |\mathcal{B}_{i \to i}|}\}$$

$$\mathcal{B}_{i \to i} = \{I, b_{i \to i, 2}, \cdots, b_{i \to i, |\mathcal{B}_{i \to i}|}\} \quad \mathcal{B}_{i \to i+1} = \{b_{i \to i+1, 1}, \cdots, b_{i \to i+1, |\mathcal{B}_{i \to i+1}|}\}$$

