

$$w = 253618 \quad \leftrightarrow \quad \begin{array}{|c|c|c|c|} \hline & & & 5 \\ \hline & 6 & 2 & 1 \\ \hline & & 4 & 3 \\ \hline \end{array} \quad \leftrightarrow (\{5\}, \{1, 2, 6\}, \{3, 4\}).$$