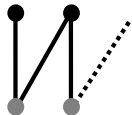
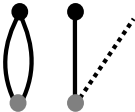
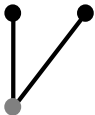
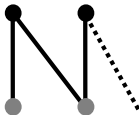
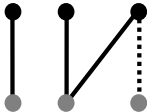
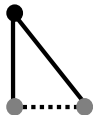
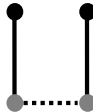


$\{\circ, p\} \{q, r\}$  $\{p, q\} \{r, \dots\}$  $\{p, q\} \{\circ, r\}$  $\{p, q\} \{r, \dots\}$ *i) cut-and-join* $\{\circ, p\} \{q, \circ\}$  $\{p, q\}$  $\{p, q\}$  $\{p, q\}$ *ii) join* $\{p, q\} \{r, \dots\}$  $\{\circ, p\} \{q, r\}$  $\{\circ, p\} \{\circ, q\} \{r, \dots\}$  $\{\circ, p\} \{q, r\}$ *iii) cut-and-join* $\{p, q\}$  $\{\dots, p\} \{q, \dots\}$  $\{\circ, p\} \{\circ, q\}$  $\{\dots, p\} \{q, \dots\}$ *iv) cut*