

$$(123) \Rightarrow (13)(12)$$

$$ABC \rightarrow \cancel{CBA} CAB \checkmark$$

$$(12) \quad ABC \rightarrow BAC$$

$$(13) \quad \cancel{BAC} \rightarrow CAB \checkmark$$

$$(1234) \Rightarrow (14)(13)(12)$$

$$(12) \quad ABCD \rightarrow BACD$$

$$(13) \quad BACD \rightarrow CABD$$

$$(14) \quad CABD \rightarrow DABC \checkmark$$

$$(1234) \quad ABCD \rightarrow DABC \checkmark$$