L   R

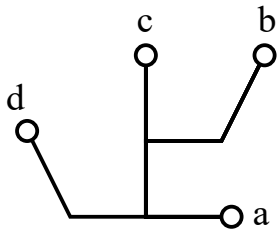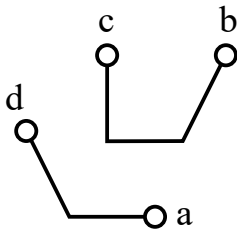$\partial L = abcd \wedge$ $\longleftrightarrow$ $\partial R1 = ad \wedge$ $\partial R2 = bc \wedge$