$$Diff(wa, nt) \land Diff(wa, sa) \land$$
$$Diff(nt, q) \land Diff(nt, sa) \land$$
$$Diff(q, nsw) \land Diff(q, sa) \land$$
$$Diff(nsw, v) \land Diff(nsw, sa) \land$$
$$Diff(v, sa) \Rightarrow Colorable()$$

$$Diff(Red, Blue) \quad Diff(Red, Green)$$
$$Diff(Green, Red) \ Diff(Green, Blue)$$
$$Diff(Blue, Red) \quad Diff(Blue, Green)$$

(a)   (b)