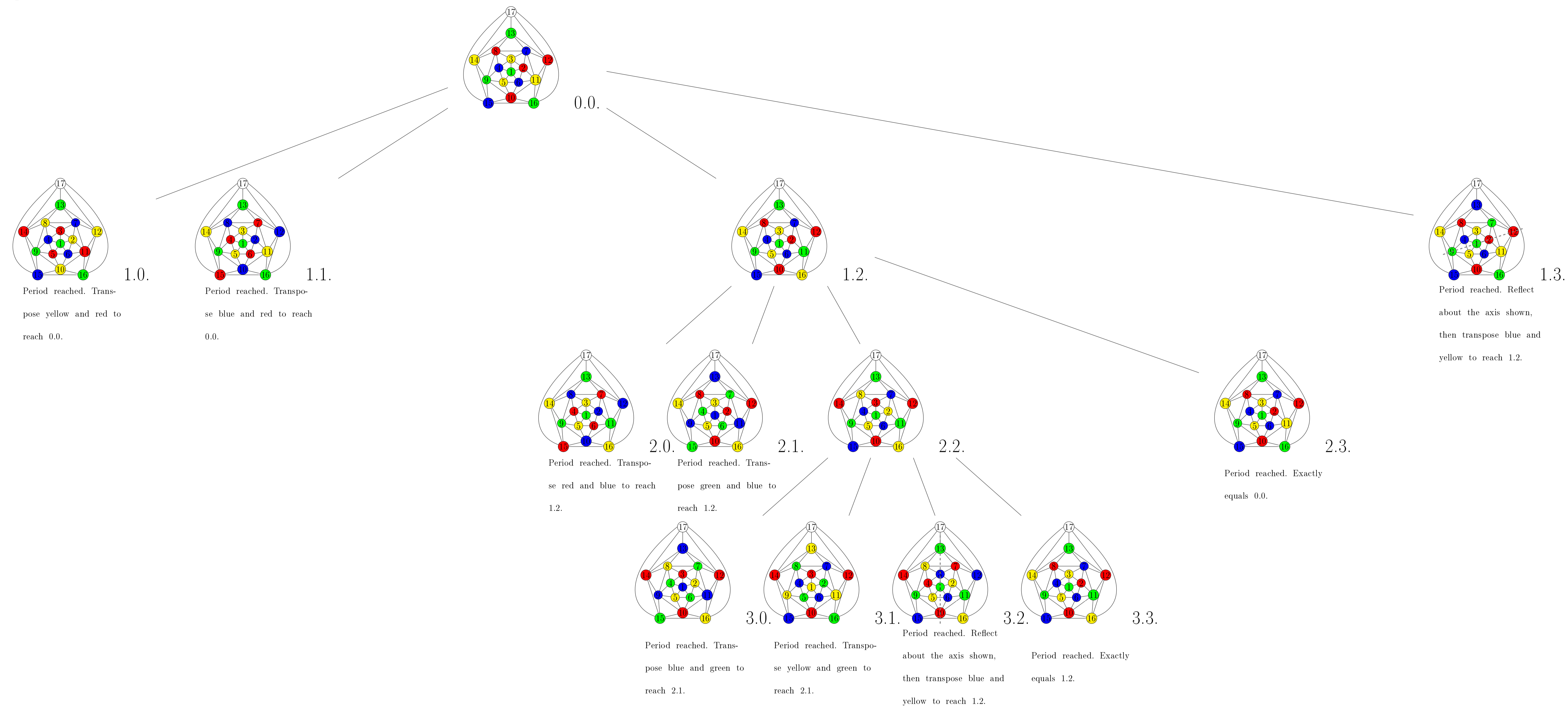


# Proof that the Errera Graph is a narrow Kempe-Impasse

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In each level, from left to right, all four possible Kempe-Operations, namely

Kempe-Chain starting at the head of the neighbourhood with the change-colour taken from the left foot of the neighbourhood.

Kempe-Chain starting at the head of the neighbourhood with the change-colour taken from the right foot of the neighbourhood.

Kempe-Chain starting at the right hand of the neighbourhood with the change-colour taken from the left foot of the neighbourhood.

Kempe-Chain starting at the left hand of the neighbourhood with the change-colour taken from the right foot of the neighbourhood.

in this order get tried out.

□