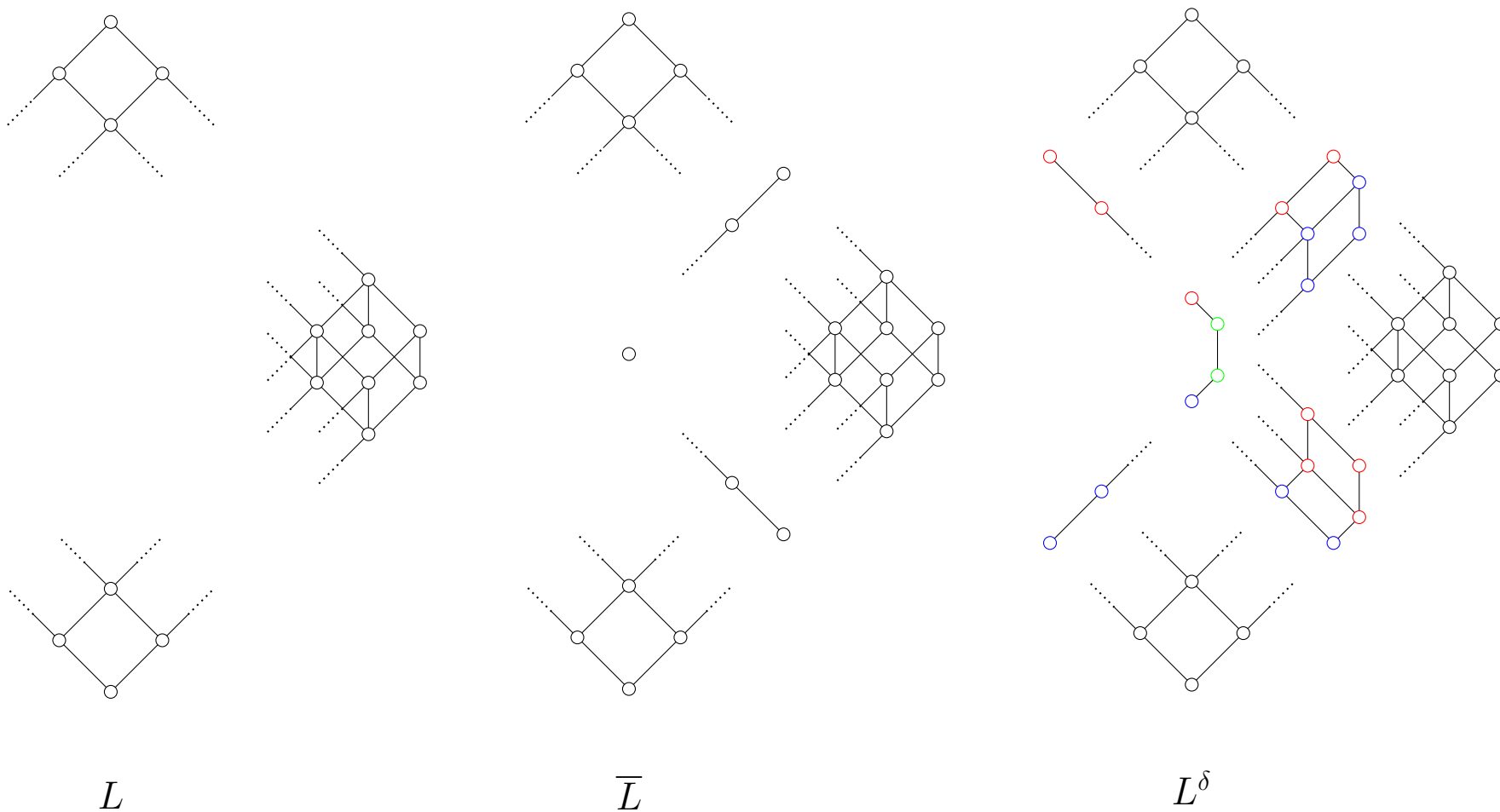


A distributive lattice with non-modular MacNeille completion



The middle example is due to N. Funayama [1944]. Note that the canonical extension L^δ of L is still distributive. The blue elements are in $O(L^\delta)$, the red elements are in $K(L^\delta)$ and the green elements are neither open nor closed.