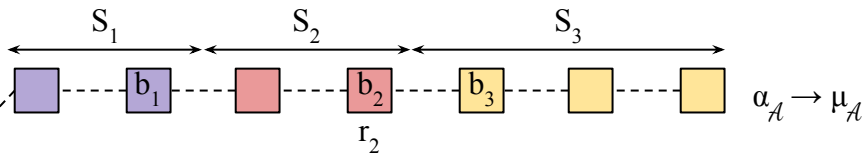
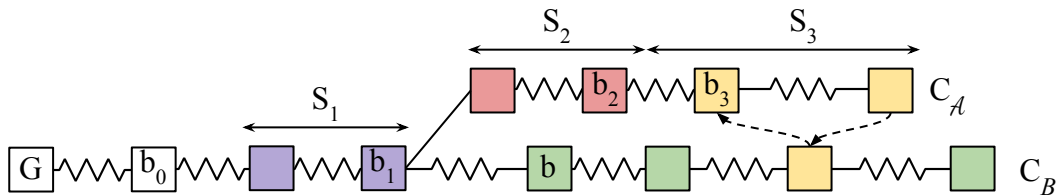


$b_0: \text{LCA}(\pi_{\mathcal{A}}, \pi_{\mathcal{B}})$

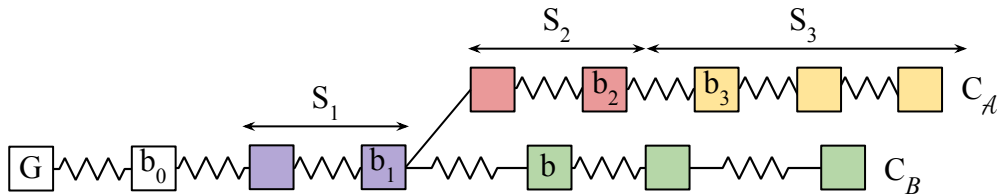
$b_1: \text{LCA}(\alpha_{\mathcal{A}}^S, \alpha_{\mathcal{B}}^S)$



I.



II.



III.