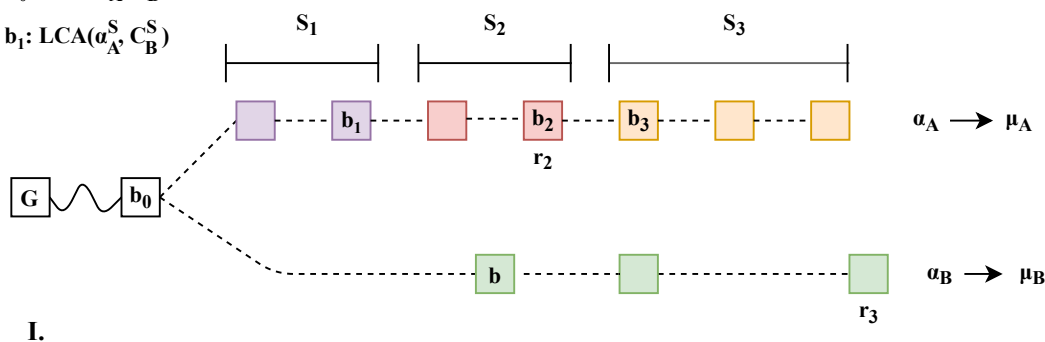
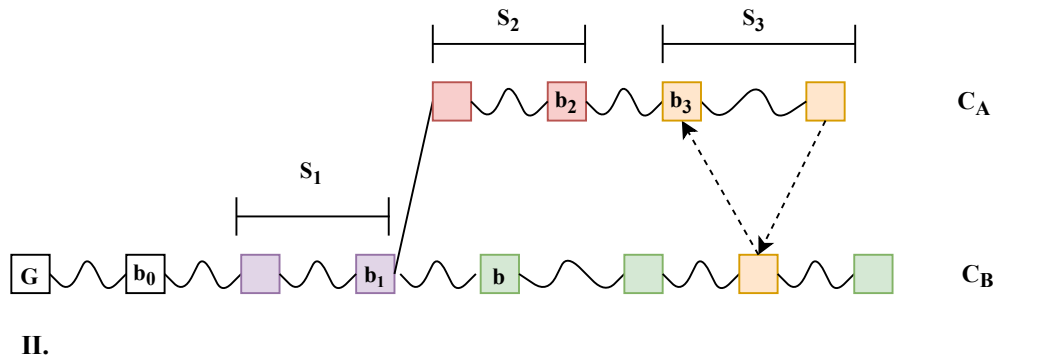


$b_0$ :  $\text{LCA}(\pi_A, \pi_B)$

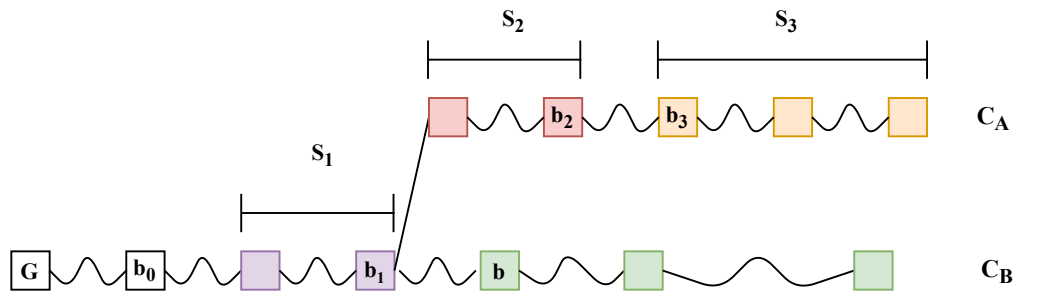
$b_1$ :  $\text{LCA}(a_A^S, C_B^S)$



I.



II.



III.