



S_{iv} CAAAAGTCCTTGAGTAAG

S_{bv} 10001111100111000

$S_{bv}^{rank_1}$ 1 1 1 1 2 3 4 5 6 6 6 7 8 9 9 9 9

$S_{bv}^{select_1}$ 1 5 6 7 8 9 12 13 14

G_{iv} ... (η_i, Ξ_i) ...
 $\eta_5 = (5, 8, 1, 2, 1)$
 $\Xi_5 = (1, 2, 1)$

N_{path} 101011011

$p_{1_{ids}}$ 1 3 5 6 8 9

$p_{1_{pos}}$ 1 5 6 7 10 11

$p_{1_{offset}}$ 10001110011000

$p_{1_{offset}}^{rank_1}$ 1 1 1 1 2 3 4 4 4 5 6 6 6 6

$p_{1_{offset}}^{select_1}$ 1 5 6 7 10 11