

generalized Suffix Array	Construction time	Memory building $gSA(C_R)$	Cumulated memory footprint		
	$O(mq)$	$4.02mq$	gSA built $4mq$	ISA built $8mq$	LCP built $12mq$

(a)

Gk arrays	Construction time	Memory building $gSA(C_R)$	Cumulated memory footprint		
	$O(mq)$	$4.02mq$	$GkSA$ built $4\hat{m}q$	$GkIFA$ & $GkCFA$ built $8\hat{m}q + 4(\hat{r} + 1)$	$GkCFPS$ built $8\hat{m}q + 4(\hat{r} + 1)$

(b)

	Gk arrays	generalized Suffix Array
Q1	$O(occ_Reads(f))$	$O(q + occ_C_R(f))$
Q2	$O(occ_Reads(f))$	$O(q + occ_C_R(f))$
Q3	$O(occ_Reads(f))$	$O(occ_C_R(f))$
Q4	$O(1)$	$O(occ_C_R(f))$
Q5	$O(occ_Reads(f))$	$O(q + occ_C_R(f))$
Q6	$O(occ_Reads(f))$	$O(q + occ_C_R(f))$
Q7	$O(occ_Reads(f))$	$O(q + occ_C_R(f))$

(c)