

s.	broadcasts	unicasts	total
S1	$O(m)$	$O(k.N_p.(E + V))$	$O(m.N_c + k.N_p.(E + V))$
S2	$O(V + E)$	$O(k.N_p.(E + V))$	$O(k.N_p.N_c.(E + V))$
S3	$O(m.(E + V))$	$O(m.k.N_p.(E + V))$	$O(m.N_c.(E + V) + m.k.N_p.(E + V))$
S4	$O(k.N_p. E + m)$	$O(k.N_p.(E + V))$	$O(k.N_p.(N_c. E + V) + N_c.m)$