

Number of recipients	Encryption time CCA	Decryption time CCA
1	270.636 ms	277.559 ms
5	1278.750 ms	357.302 ms
10	2564.510 ms	460.930 ms
15	3799.600 ms	560.611 ms
20	5029.470 ms	657.030 ms
25	6258.510 ms	761.765 ms
50	12300.500 ms	1237.820 ms
100	25867.700 ms	2260.230 ms

Table 1: Execution time of the BE scheme for varying sizes of the recipient set

Number of recipients	Encryption time CPA	Decryption time CPA
1	267.069 ms	250.853 ms
5	1253.46 ms	252.812 ms
10	2502.540 ms	257.947 ms
15	3706.460 ms	252.962 ms
20	4955.800 ms	259.406 ms
25	6185.610 ms	254.532 ms
50	12436.800 ms	266.849 ms
100	24881.100 ms	296.688 ms

Table 2: Execution time of the CPA secure BE scheme for varying sizes of the recipient set