

#	Step Description	Cost	Stage
1	flush i_1 writes to bl-file	$f_d(i_1)$	Reception
2	append i_2 writes to b-list	$f_a(i_2)$	Transmission
3	read i_3 writes from bl-file	$f_r(i_3)$	
4	transmit i_4 writes	$f_t(i_4)$	
5	append i_4 writes to b-list	$f_a(i_4)$	
6	flush i_5 writes to b-file	$f_d(i_5)$	
7	transmit ack	$f_t(1)$	
8	read i_6 writes from b-file	$f_r(i_6)$	Coordination
9	transmit i_7 writes from b-list	$f_t(i_7)$	
10	append i_7 writes to t-list	$f_a(i_7)$	
11	transmit i_8 writes	$f_t(i_8)$	
12	align i_9 writes	$f_c(i_9)$	
13	transmit i_{10} writes	$f_t(i_{10})$	
14	insert i_{11} writes into p-list	$f_i(i_{11})$	
15	flush i_{11} writes to p-file	$f_d(i_{11})$	
16	transmit ack	$f_t(1)$	
17	execute i_{12} writes	$f_e(i_{12})$	Execution
18	compact $j_1 + k_1$ rows	$f_C(j_1, k_1)$	Compaction
19	read $j_2 + k_2$ rows	$f_R(j_2, k_2)$	Acquisition