Low Bucket List in d_0

Bucket Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sub ID	1						3				2				0	

High Bucket List in d_0

Bucket Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sub ID					1							2	3			0

Low Bucket List in d_0

Bucket Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sub ID		2					4		1				0			

High Bucket List in d_0

Bucket Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sub ID				2						4		1			0	
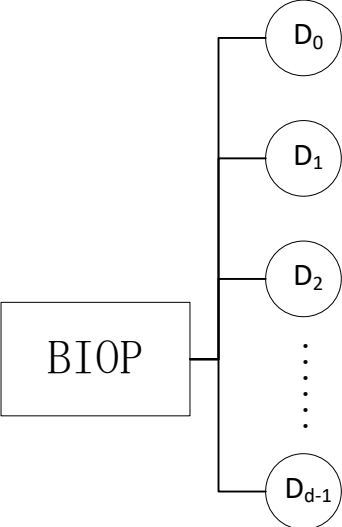
Low Bucket List | l_0 | l_1 | l_2 | l_3 | $\cdots$ | l_{b-2} | l_{b-1}

Bitsets in low value end

$Bitset^0$

$Bitset^1$

$Bitset^{2^{be}-1}$

BIOP

D_0

D_1

D_2

D_{d-1}

High Bucket List | h_0 | h_1 | h_2 | h_3 | $\cdots$ | h_{b-2} | h_{b-1}

$Bitset_0^0$

$Bitset_0^1$

$Bitset_0^2$

$Bitset_0^3$