1 6 bais <61, 62> = <5,4>

94	C,=x mad 5	(2=21/5 mod 4
10	10 mad 5 = 0	(10/c) muel 4 = 2
5	D	
C		J
8	3	1
7	2	
(		$\mathcal{D}$
3	.3	D
5	D	1
_		

4 4 Bit map for C1. [56:45 Jos 0,1,2,3,4] · C(0) = [1,1,0,0,0,1,0,1,00] •  $C_{r}(1) = [0,0,1,0,0,0,1,0,1,0]$ · (, (2) = [0,0,0,0,1,0,0,0,0,0] ° (, (3) = [0,0,0,1,0,0,0,0,0] · c, (4) = [0,0,0,0,0,0,0,0,0] Bit map for C2:- $C(D) = \sum_{i=1}^{n} C(D_i) =$ 

17-9]: [0,0,0,0,0,0,0,0,0,0]

d. Two queries are needed in a range coded bit map to evaluate the overlap.

Overing 4 accesses
[1-3] and [4-6]