hypercube address	2d grid address				
S	D	r	c	dim	x
0	0	0	0	0	0
1	1	0	1	1	
2	4	0	2	2	
3	5	0	3	2	
4	16	0	4	3	
5	17	0	5	3	
6	20	0	6	3	
7	21	0	7	3	
8	2	1	0	4	
9	3	1	1	4	
10	6	1	2	4	
11	7	1	3	4	
12	18	1	4	4	
13	19	1	5	4	
14	22	1	6	4	
15	23	1	7	4	
16	8	2	0	5	
17	9	2	1	5	
18	12	2	2	5	
19	13	2	3	5	
20	24	2	4	5	
21	25	2	5	5	
22	28	2	6	5	
23	29	2	7	5	
24	10	3	0	5	
25	11	3	1	5	
26	14	3	2	5	
27	15	3	3	5	
28	26	3	4	5	
29	27	3	5	5	
30	30	3	6	5	
31	31	3	7	5	

Note: x column values: 0,1,2,2,3,3,3,3,4,4,4,4,4,4,4,4,5... (all 5 from row 16)

y	**Incorrect—The mapping function.** **F(S)->D**
	0
	1
	2
	2
	4
	4
	4
	4
	8
	8
	8
	8
	8
	8
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	8
	16
	16
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	16
	16