



DavisBase

Nano

Use Case

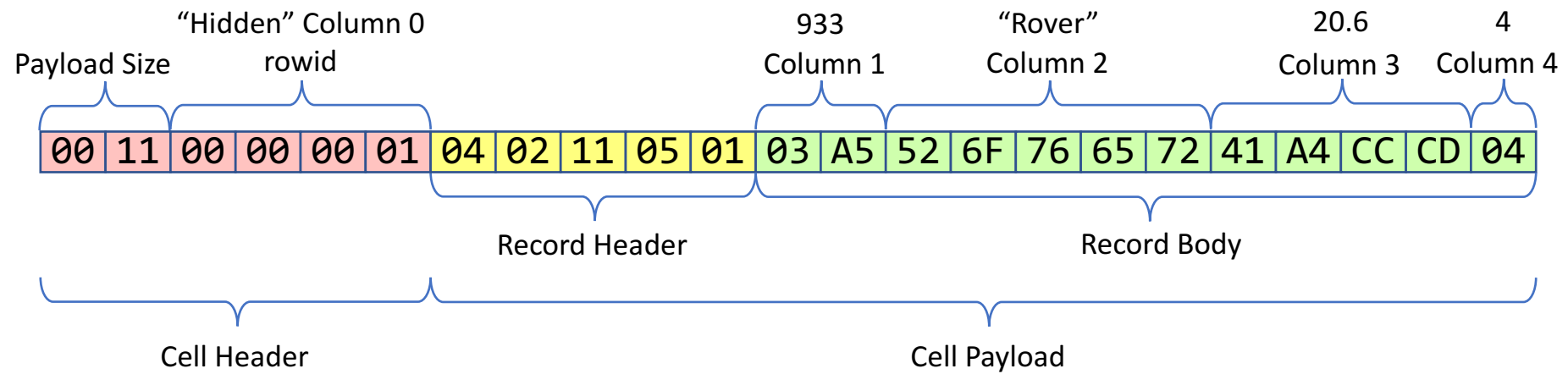
- Suppose we want to create a database table of individual dogs
- We have information about several dogs that is in a tabular format

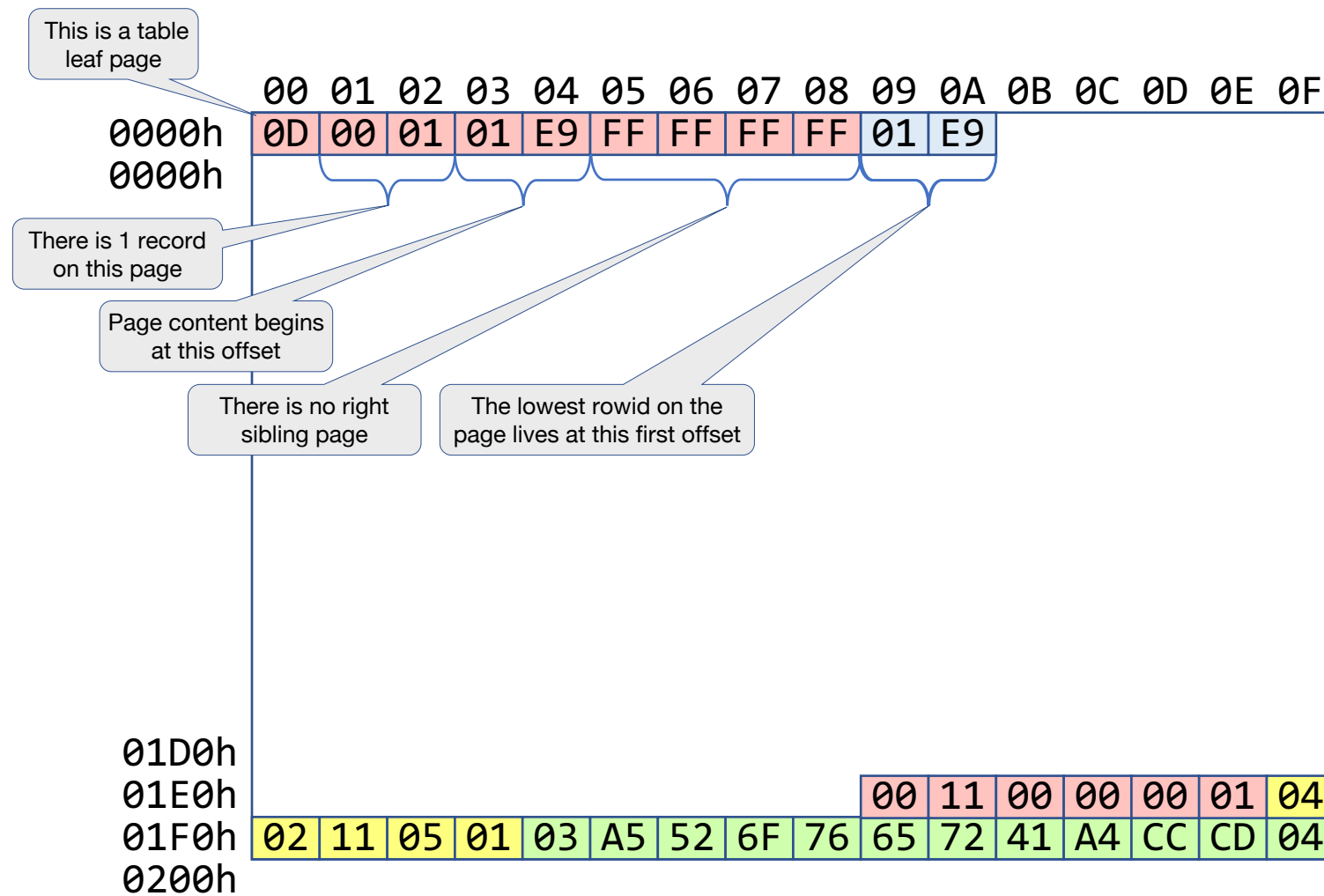
Tag ID	Name	Weight (kg)	Age (years)
933	Rover	20.6	4
8326	Spot	10.8	7
5359	Lucky	31.2	5
10355	Dinky	4.8	11
7757	Bruiser	42.0	6
3597	Patch	29.6	9
202	Prince	16.6	7
1630	Bubbles	7.1	1
11223	Peanut	14.3	2

Database of Dogs

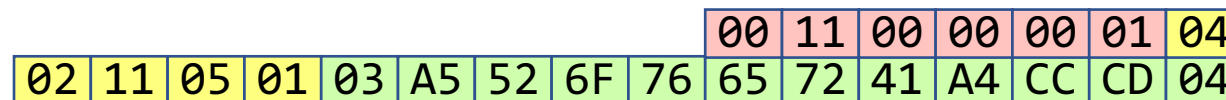
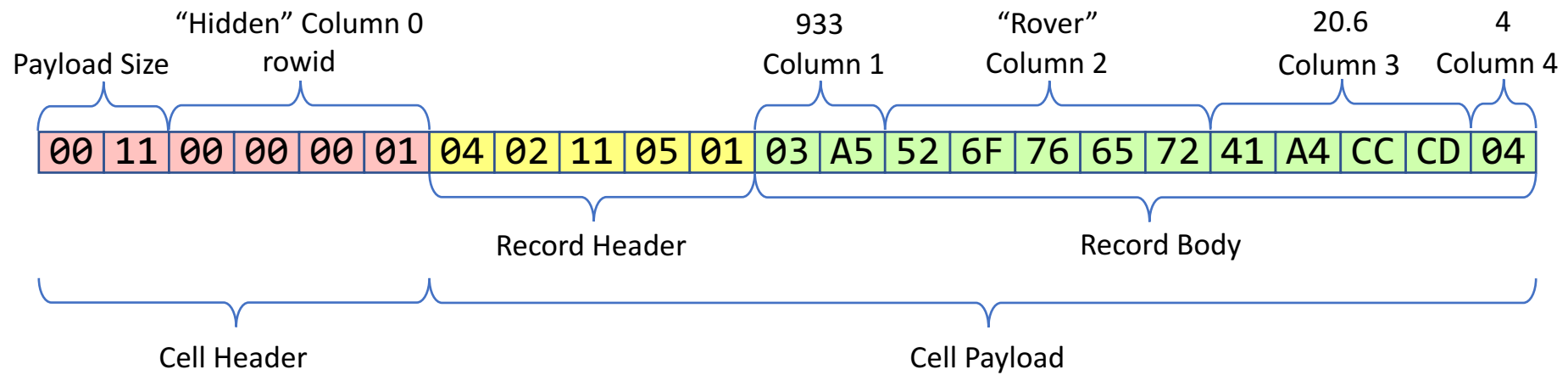
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First Record Format Insert

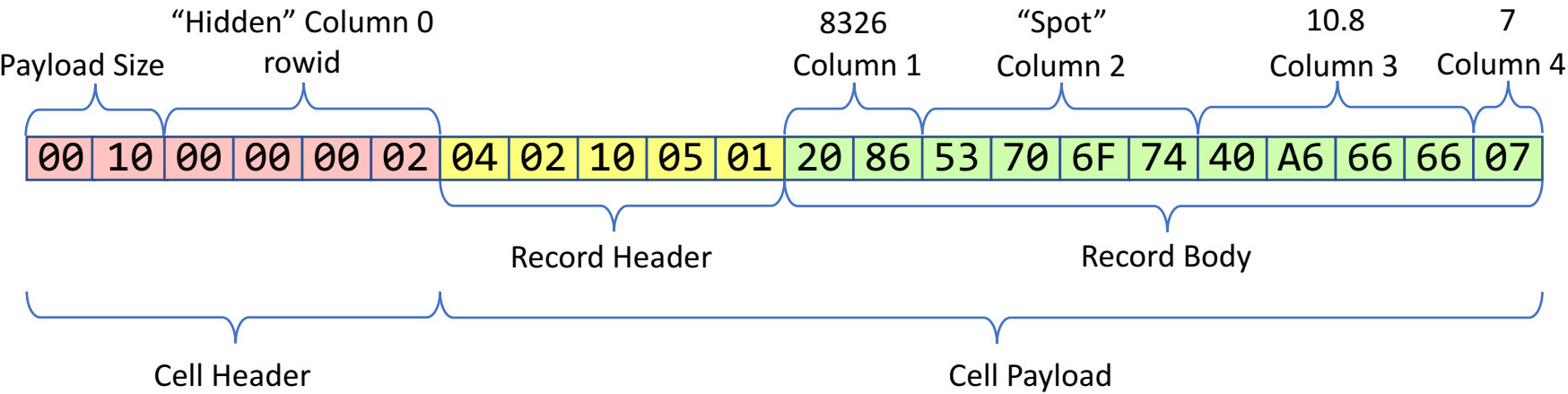


[illegible]

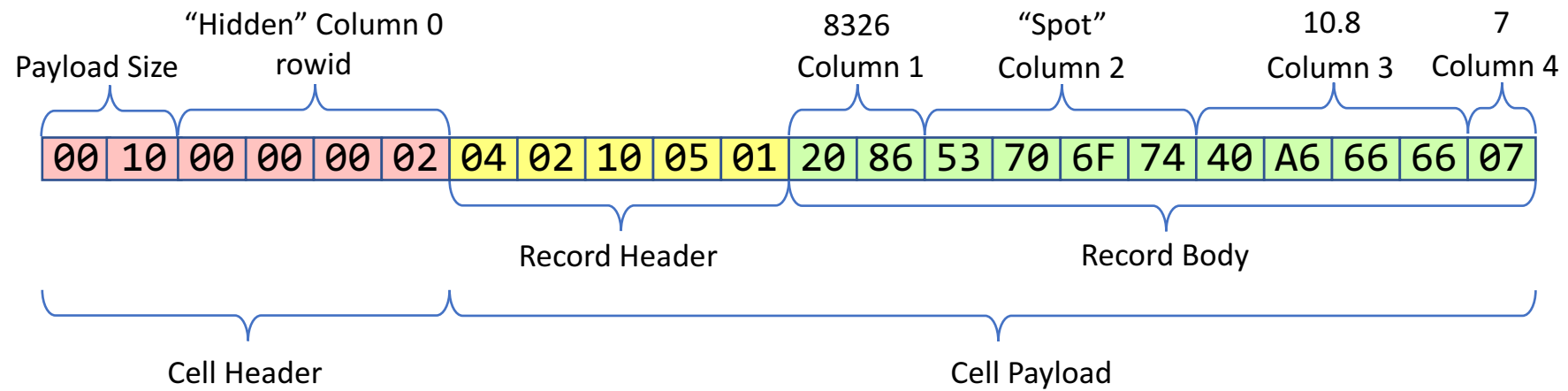
Insert First Record



Second Record Format Insert

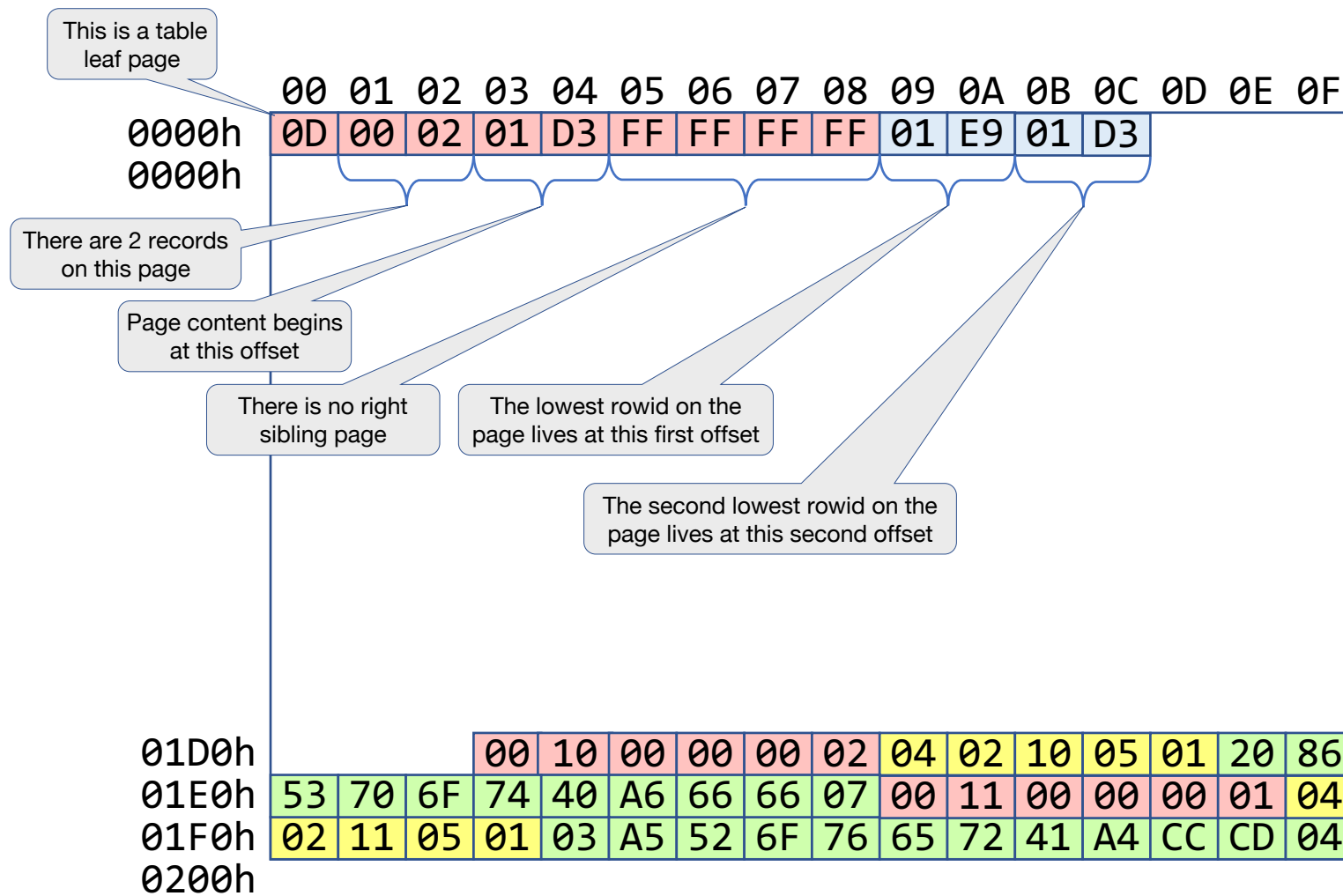


Insert



			00	10	00	00	00	02	04	02	10	05	01	20	86
53	70	6F	74	40	A6	66	66	07	00	11	00	00	00	01	04
02	11	05	01	03	A5	52	6F	76	65	72	41	A4	CC	CD	04

How The Second Record Is Stored In A Table Leaf Page



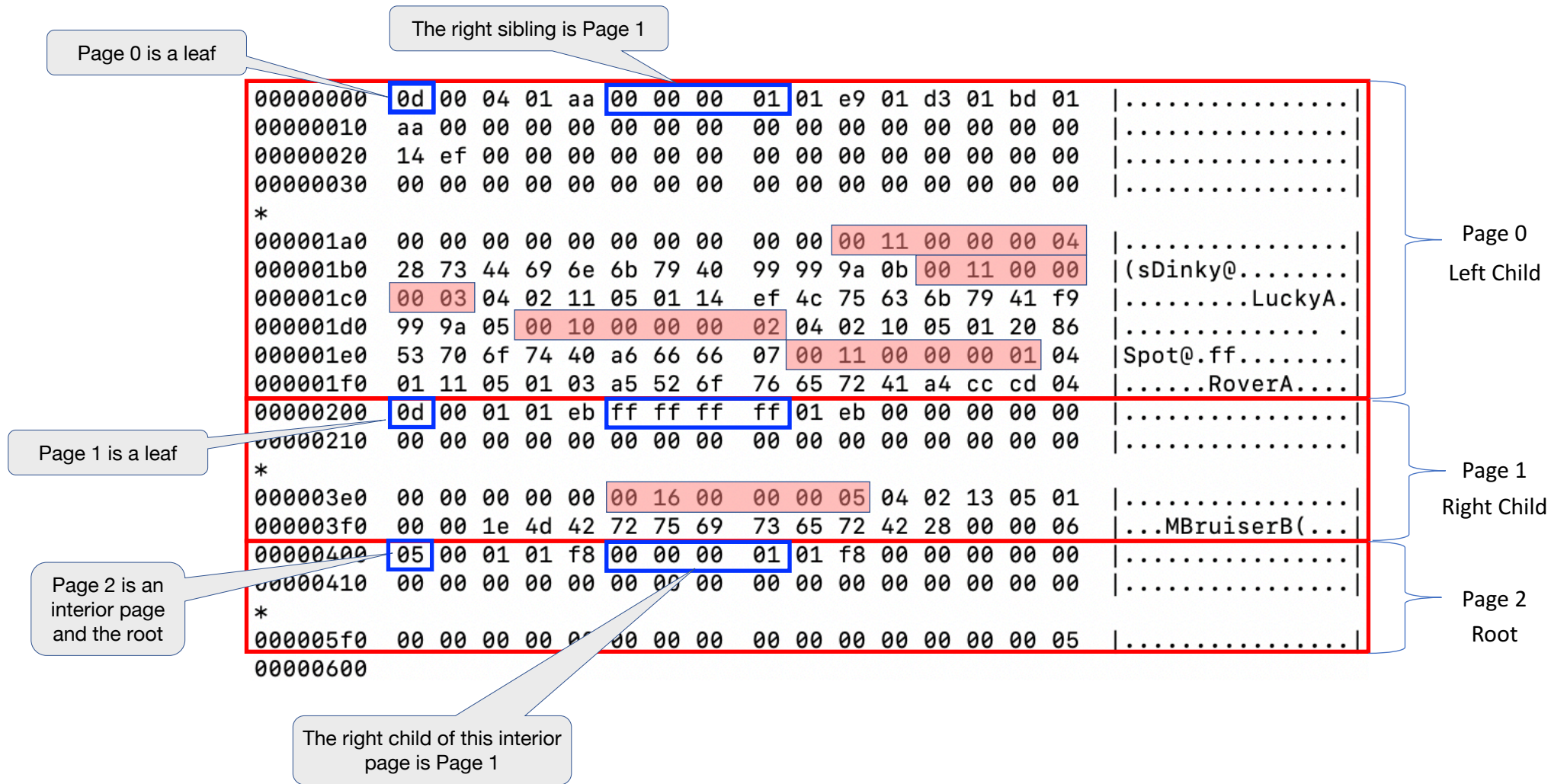
How The Third Record Is Stored In A Table Leaf Page

This is a table
leaf page

[illegible]

00000000	0d	00	04	01	aa	ff	ff	ff	ff	01	e9	01	d3	01	bd	01
00000010	aa	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000020	14	ef	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000030	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
*																	
000001a0	00	00	00	00	00	00	00	00	00	00	00	11	00	00	00	04
000001b0	28	73	44	69	6e	6b	79	40	99	99	9a	0b	00	11	00	00	(sDinky@.....
000001c0	00	03	04	02	11	05	01	14	ef	4c	75	63	6b	79	41	f9LuckyA.
000001d0	99	9a	05	00	10	00	00	00	02	04	02	10	05	01	20	86
000001e0	53	70	6f	74	40	a6	66	66	07	00	11	00	00	00	01	04	Spot@.ff.....
000001f0	01	11	05	01	03	a5	52	6f	76	65	72	41	a4	cc	cd	04RoverA....
00000200																	

Record Insert: Table Page Overflow



00000000	0d 00 04 01 aa 00 00 00	01 01 e9 01 d3 01 bd 01
00000010	aa 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00
00000020	14 ef 00 00 00 00 00 00	00 00 00 00 00 00 00 00
00000030	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00
*			
000001a0	00 00 00 00 00 00 00 00	00 00 00 11 00 00 00 04
000001b0	28 73 44 69 6e 6b 79 40	99 99 9a 0b 00 11 00 00	(sDinky@.....
000001c0	00 03 04 02 11 05 01 14	ef 4c 75 63 6b 79 41 f9LuckyA.
000001d0	99 9a 05 00 10 00 00 00	02 04 02 10 05 01 20 86
000001e0	53 70 6f 74 40 a6 66 66	07 00 11 00 00 00 01 04	Spot@.ff.....
000001f0	01 11 05 01 03 a5 52 6f	76 65 72 41 a4 cc cd 04RoverA....
00000200	0d 00 01 01 eb ff ff ff	ff 01 eb 00 00 00 00 00
00000210	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00
*			
000003e0	00 00 00 00 00 00 16 00	00 00 05 04 02 13 05 01
000003f0	00 00 1e 4d 42 72 75 69	73 65 72 42 28 00 00 06	...MBruiserB(...
00000400	05 00 01 01 f8 00 00 00	01 01 f8 00 00 00 00 00
00000410	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00
*			
000005f0	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 05
00000600			