Encoding 4 × 4 baselevel using Morton codes and bit flips

 $100101 \rightarrow (00_2, 011_2) \rightarrow (4, 3)$

	0 =	= 00000-0-00	1 = 00000-0-01	8 = 00001-0-00	9 = 00001-0-01	32 = 00100-0-00	33 = 00100-0-01	40 = 00101-0-00	41 = 00101-0-01	
4 = 00000-1-00	6 = 00000-1-10	00000 → (00 ₂ ,	$000^{5}) \rightarrow (0,0)$ $12 = 00001-1-00$	Φ0 = 00001-0-10 = 1-1-10000 = 00001 → (00 ₂)	$11 = 00001 - 0 - \frac{10}{1000000000000000000000000000000000$	\$4 = 00100-0-10 	35 = 00100-0-100-1-10100 = 4 ,010 ₂) → (0,2) 44	Ф2 = 00101-0-10 -1-10100 = 94 00101 → (00 ₂	43 = 00101-0-13 -1-00001 = 28 ,011 ₂) → (0,3)	134 = 10000-1-10
5 = 00000-1-01	₹ = 00000-1-11	= 00010-0-00	17 = 00010-0-03	11-1-10000 	10-1-00 = 00011-0-04	88 = 00110-0-00	10-1-10100 = 49 = 00110-0-0 2	\$6 = 00111-0-00	57 = 00111-0-01	135 = 10000-1-11
20 = 00010-1-00	$22 = 00010 - 1 - 1 \frac{1}{8}$	= 00010-0-10 00010 → (01 ₂ ,	$19 = 00010 - 0 - \frac{100}{1000}$ $000_{2}) \rightarrow (1, 0)$	% 00011 → (01 ₂	$27 = 00011 - 0 - \frac{10}{100}$ $001_{0} \rightarrow (1, 1)$ $001_{2} \rightarrow (1, 1)$	20 00110 → (01 ⁵ 00	51 = 00110-0-30 1-1 100 100 100 100 100 100 10	\$8 = 00111-0-10 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	, 011 ₂) → (1, 3) 1, 011 ₂) → (1, 3) 1, 011 ₃ 1, 011 ₄	150 = 10010-1-10
21 = 00010-1-01	№ = 00010-1-11	= 01000-0-00	65 = 01000-0-83 = 00011-1-01	11-1-11000 = ₹2 = 01001-0-00	73 = 01001-0-024	\$6 = 01100-0-00	97 = 01100-0- 07	11-1-11100 = 1304 = 01101-0-00	100 = 01101-0-61 $100 = 10010-1-01$	151 = 10010-1-11
68 = 01000-1-00	70 = 01000-1-1	= 01000-0-10 01000 → (10 ₂ ,	67 = 01000 - 0 - 100 -	%4 = 01001-0-10 T-1- 1-1- 100 10 11 18 20 01001 → (10 ₂	$75 = 01001-0-3$ -00110 $0001_{2}) \rightarrow (2,1)$	98 = 01100-0-10 1-001100 01100 → (10 ₂	99 = 01100 - 0 - 3 $0100 - 0 - 3$	∰6 = 01101-0-10 -1 -1 01 01 01101 → (10 ₂	107 = 01101-0-81 1000 1000 100 100 100 100 100 100 100 100	198 = 11000-1-10
69 = 01000-1-01	⊠ = 01000-1-11	= 01010-0-00	$\mathcal{L}_{0}^{-0.01010} = 18$ $\mathcal{L}_{0}^{-0.01010} = 01001.1.01$	88 = 01001-0-00 11-1-1	60 = 01011 - 0.001 $61 = 01100 - 0.01$	11-1-00 01100 ED 2 = 01110-0-00	113 = 01110-0-0-0-0-0-0-0-0-1-0-1-0-1-0-1-0-1	11-1-10-00 12-1-11-0-00	121 = 01111-0-01 10-0-1-01	199 = 11000-1-11
84 = 01010-1-00	86 = 01010 - 1 - 1	= 01010-0-10 01010 → (11 ₂ ,	83 = 01010-0-190-1-11010 = 7000 ₂) → (3, 0) = 7000 ₂	9 0 = 01011-0-10 1-1-1-10 1-1-1-10 1-1-1-10 1-1-10 1-1-10	$91 = 01011 - 0 - 13$ $001_2) \rightarrow (3, 1)$	11	115 = 01110-0-81 -1-1-1111 010 ₂) → (3,2)	\$\frac{12}{17}2 = 011111-0-10 \begin{array}{cccccccccccccccccccccccccccccccccccc	123 = 01111 - 0 - 20 $123 = 01111 - 0 - 20$ $1010 - 1 - 010$ $1010 - 1 - 010$ $1010 - 1 - 010$ $1010 - 010$	214 = 11010-1-10
85 = 01010-1-01	$\frac{87}{87} = 01010-1-11$	= 100000-0-00	10-1-11010 = 01011-1-01	11-1- 1010 = 2 % 4 = 100001-0-00	265 = 100001-0 10 1	11-1-0 = 00100-0-00	289 = 100100-0합1 1922 = 01111-1-01	11-1-11110 = 2 <u>9</u> 6 = 100101-0-00	297 = 100101-0 10 1	215 = 11010-1-11
258 = 100000-0-10 259 = 100000-0-11 266 = 100001-0-10 267 = 100001-0-11 290 = 100100-0-10 291 = 100100-0-11 298 = 100101-0-10 299 = 100101-0-11										

 $100100 \rightarrow (00_2, 010_2) \rightarrow (4, 2)$

 $100000 \rightarrow (00_2, 000_2) \rightarrow (4, 0)$

 $100001 \rightarrow (00_2, 001_2) \rightarrow (4, 1)$