

Supporting Information for the Paper: Optimal Ternary
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Table 1: Base Codewords of Optimal $(6t + 3, 5, [3, 1])_3$ -codes

t	Base Codewords					
7	$\langle 4, 3, 6, 1 \rangle$	$\langle 9, 34, 4, 2 \rangle$	$\langle 3, 23, 29, 2 \rangle$	$\langle 11, 16, 38, 2 \rangle$	$\langle 19, 17, 10, 2 \rangle$	$\langle 33, 39, 15, 2 \rangle$
	$\langle 18, 6, 8, 2 \rangle$	$\langle 13, 26, 5, 2 \rangle$	$\langle 31, 14, 5, 1 \rangle$	$\langle 15, 26, 37, 0 \rangle$	$\langle 21, 14, 30, 2 \rangle$	$\langle 33, 41, 18, 1 \rangle$
	$\langle 7, 0, 19, 1 \rangle$	$\langle 25, 1, 28, 0 \rangle$	$\langle 7, 23, 36, 0 \rangle$	$\langle 16, 10, 27, 1 \rangle$	$\langle 32, 44, 29, 0 \rangle$	$\langle 35, 34, 30, 1 \rangle$
	$\langle 9, 22, 8, 0 \rangle$	$\langle 3, 13, 17, 0 \rangle$	$\langle 8, 12, 43, 1 \rangle$	$\langle 16, 24, 41, 0 \rangle$		
8	$\langle 0, 12, 4, 2 \rangle$	$\langle 35, 26, 9, 1 \rangle$	$\langle 18, 17, 41, 2 \rangle$	$\langle 25, 27, 14, 0 \rangle$	$\langle 32, 42, 11, 1 \rangle$	$\langle 36, 41, 31, 1 \rangle$
	$\langle 3, 4, 45, 1 \rangle$	$\langle 40, 1, 12, 0 \rangle$	$\langle 18, 36, 42, 0 \rangle$	$\langle 29, 35, 27, 2 \rangle$	$\langle 32, 49, 14, 2 \rangle$	$\langle 39, 50, 46, 2 \rangle$
	$\langle 1, 26, 30, 2 \rangle$	$\langle 43, 24, 7, 2 \rangle$	$\langle 19, 11, 16, 2 \rangle$	$\langle 30, 46, 15, 1 \rangle$	$\langle 34, 16, 14, 1 \rangle$	$\langle 44, 22, 43, 0 \rangle$
	$\langle 2, 21, 24, 0 \rangle$	$\langle 6, 36, 20, 2 \rangle$	$\langle 22, 13, 50, 1 \rangle$	$\langle 32, 39, 13, 0 \rangle$	$\langle 34, 40, 47, 2 \rangle$	$\langle 49, 12, 25, 1 \rangle$
	$\langle 23, 8, 11, 0 \rangle$					
9	$\langle 35, 9, 2, 1 \rangle$	$\langle 3, 50, 56, 1 \rangle$	$\langle 10, 52, 34, 2 \rangle$	$\langle 31, 44, 29, 0 \rangle$	$\langle 37, 49, 17, 2 \rangle$	$\langle 40, 39, 13, 0 \rangle$
	$\langle 1, 15, 53, 0 \rangle$	$\langle 36, 7, 30, 2 \rangle$	$\langle 11, 52, 48, 0 \rangle$	$\langle 32, 43, 33, 2 \rangle$	$\langle 38, 28, 56, 2 \rangle$	$\langle 41, 36, 11, 1 \rangle$
	$\langle 12, 24, 9, 2 \rangle$	$\langle 41, 1, 22, 2 \rangle$	$\langle 23, 26, 35, 2 \rangle$	$\langle 32, 55, 15, 1 \rangle$	$\langle 38, 36, 54, 0 \rangle$	$\langle 49, 35, 43, 0 \rangle$
	$\langle 28, 37, 2, 0 \rangle$	$\langle 41, 6, 27, 0 \rangle$	$\langle 26, 47, 18, 0 \rangle$	$\langle 33, 20, 13, 1 \rangle$	$\langle 40, 37, 42, 1 \rangle$	$\langle 51, 24, 43, 1 \rangle$
	$\langle 29, 28, 6, 1 \rangle$	$\langle 48, 0, 16, 2 \rangle$	$\langle 27, 51, 40, 2 \rangle$	$\langle 34, 38, 27, 1 \rangle$		
10	$\langle 3, 1, 0, 2 \rangle$	$\langle 10, 4, 18, 2 \rangle$	$\langle 32, 54, 9, 0 \rangle$	$\langle 13, 31, 57, 0 \rangle$	$\langle 16, 38, 57, 2 \rangle$	$\langle 19, 47, 58, 0 \rangle$
	$\langle 4, 5, 0, 1 \rangle$	$\langle 21, 42, 8, 1 \rangle$	$\langle 7, 43, 50, 1 \rangle$	$\langle 14, 40, 61, 2 \rangle$	$\langle 17, 46, 41, 0 \rangle$	$\langle 20, 37, 62, 1 \rangle$
	$\langle 12, 6, 2, 1 \rangle$	$\langle 21, 5, 12, 0 \rangle$	$\langle 8, 11, 20, 2 \rangle$	$\langle 14, 47, 29, 1 \rangle$	$\langle 18, 28, 57, 1 \rangle$	$\langle 21, 23, 59, 2 \rangle$
	$\langle 4, 34, 2, 0 \rangle$	$\langle 22, 9, 35, 2 \rangle$	$\langle 10, 61, 58, 1 \rangle$	$\langle 15, 23, 29, 0 \rangle$	$\langle 19, 30, 42, 2 \rangle$	$\langle 24, 41, 49, 1 \rangle$
	$\langle 6, 1, 36, 0 \rangle$	$\langle 3, 14, 10, 0 \rangle$	$\langle 12, 43, 27, 2 \rangle$	$\langle 16, 35, 25, 1 \rangle$	$\langle 19, 39, 59, 1 \rangle$	$\langle 25, 11, 42, 0 \rangle$
	$\langle 6, 5, 33, 2 \rangle$					
11	$\langle 12, 2, 6, 1 \rangle$	$\langle 19, 2, 56, 0 \rangle$	$\langle 14, 67, 52, 1 \rangle$	$\langle 23, 66, 10, 0 \rangle$	$\langle 30, 15, 46, 0 \rangle$	$\langle 36, 16, 56, 1 \rangle$
	$\langle 17, 5, 8, 1 \rangle$	$\langle 27, 59, 8, 0 \rangle$	$\langle 16, 61, 41, 0 \rangle$	$\langle 24, 41, 49, 1 \rangle$	$\langle 30, 25, 14, 2 \rangle$	$\langle 36, 28, 35, 0 \rangle$
	$\langle 7, 1, 34, 0 \rangle$	$\langle 6, 20, 14, 0 \rangle$	$\langle 19, 40, 42, 1 \rangle$	$\langle 25, 51, 39, 0 \rangle$	$\langle 31, 26, 28, 1 \rangle$	$\langle 38, 33, 37, 0 \rangle$
	$\langle 0, 60, 62, 1 \rangle$	$\langle 9, 43, 31, 2 \rangle$	$\langle 20, 51, 34, 1 \rangle$	$\langle 25, 68, 47, 1 \rangle$	$\langle 32, 28, 62, 2 \rangle$	$\langle 40, 17, 50, 0 \rangle$
	$\langle 13, 32, 4, 0 \rangle$	$\langle 11, 24, 53, 0 \rangle$	$\langle 21, 22, 40, 2 \rangle$	$\langle 26, 15, 50, 2 \rangle$	$\langle 33, 61, 22, 1 \rangle$	$\langle 42, 66, 20, 2 \rangle$
	$\langle 18, 39, 0, 2 \rangle$	$\langle 12, 52, 45, 0 \rangle$	$\langle 21, 58, 48, 0 \rangle$	$\langle 29, 54, 57, 0 \rangle$		
13	$\langle 0, 5, 4, 1 \rangle$	$\langle 3, 11, 78, 1 \rangle$	$\langle 9, 26, 80, 2 \rangle$	$\langle 13, 66, 34, 1 \rangle$	$\langle 17, 77, 37, 2 \rangle$	$\langle 20, 43, 77, 1 \rangle$
	$\langle 1, 0, 3, 2 \rangle$	$\langle 4, 10, 46, 2 \rangle$	$\langle 9, 40, 48, 1 \rangle$	$\langle 14, 29, 47, 1 \rangle$	$\langle 18, 47, 77, 0 \rangle$	$\langle 20, 64, 48, 0 \rangle$
	$\langle 1, 6, 8, 0 \rangle$	$\langle 5, 21, 12, 0 \rangle$	$\langle 10, 25, 56, 1 \rangle$	$\langle 14, 33, 53, 2 \rangle$	$\langle 18, 56, 64, 2 \rangle$	$\langle 22, 38, 76, 2 \rangle$
	$\langle 2, 4, 7, 0 \rangle$	$\langle 7, 19, 30, 2 \rangle$	$\langle 11, 20, 23, 2 \rangle$	$\langle 15, 36, 59, 0 \rangle$	$\langle 18, 59, 65, 1 \rangle$	$\langle 22, 46, 71, 1 \rangle$
	$\langle 2, 6, 51, 1 \rangle$	$\langle 7, 79, 26, 1 \rangle$	$\langle 12, 24, 80, 1 \rangle$	$\langle 15, 37, 63, 1 \rangle$	$\langle 19, 41, 70, 0 \rangle$	$\langle 23, 37, 54, 0 \rangle$
	$\langle 5, 6, 16, 2 \rangle$	$\langle 8, 34, 44, 2 \rangle$	$\langle 13, 51, 33, 0 \rangle$	$\langle 15, 39, 69, 2 \rangle$	$\langle 19, 60, 75, 1 \rangle$	$\langle 30, 67, 49, 0 \rangle$
	$\langle 10, 3, 14, 0 \rangle$	$\langle 9, 22, 35, 0 \rangle$	$\langle 13, 61, 27, 2 \rangle$	$\langle 17, 63, 34, 0 \rangle$		

14	$\langle 1, 62, 47, 0 \rangle$	$\langle 5, 43, 27, 0 \rangle$	$\langle 14, 72, 48, 2 \rangle$	$\langle 29, 39, 73, 2 \rangle$	$\langle 41, 30, 33, 1 \rangle$	$\langle 67, 60, 10, 1 \rangle$
	$\langle 15, 21, 6, 2 \rangle$	$\langle 74, 3, 17, 1 \rangle$	$\langle 15, 11, 19, 0 \rangle$	$\langle 30, 17, 70, 2 \rangle$	$\langle 42, 54, 67, 0 \rangle$	$\langle 69, 12, 33, 2 \rangle$
	$\langle 20, 14, 7, 0 \rangle$	$\langle 77, 78, 9, 1 \rangle$	$\langle 16, 25, 83, 2 \rangle$	$\langle 30, 69, 40, 0 \rangle$	$\langle 42, 85, 64, 1 \rangle$	$\langle 74, 70, 18, 0 \rangle$
	$\langle 22, 63, 4, 2 \rangle$	$\langle 8, 59, 20, 1 \rangle$	$\langle 16, 86, 36, 1 \rangle$	$\langle 31, 32, 82, 2 \rangle$	$\langle 43, 59, 49, 2 \rangle$	$\langle 78, 46, 35, 2 \rangle$
	$\langle 3, 52, 67, 2 \rangle$	$\langle 85, 9, 50, 2 \rangle$	$\langle 24, 56, 51, 1 \rangle$	$\langle 34, 11, 76, 1 \rangle$	$\langle 45, 43, 40, 1 \rangle$	$\langle 79, 31, 48, 1 \rangle$
	$\langle 32, 6, 60, 0 \rangle$	$\langle 9, 82, 28, 0 \rangle$	$\langle 27, 29, 50, 1 \rangle$	$\langle 37, 13, 32, 1 \rangle$	$\langle 47, 71, 74, 2 \rangle$	$\langle 80, 26, 82, 1 \rangle$
	$\langle 38, 3, 45, 0 \rangle$	$\langle 14, 23, 63, 1 \rangle$	$\langle 28, 54, 55, 1 \rangle$	$\langle 37, 65, 25, 0 \rangle$	$\langle 66, 83, 58, 0 \rangle$	$\langle 86, 13, 68, 2 \rangle$
	$\langle 47, 5, 72, 1 \rangle$					
15	$\langle 13, 6, 8, 0 \rangle$	$\langle 39, 85, 7, 0 \rangle$	$\langle 92, 43, 3, 2 \rangle$	$\langle 24, 52, 73, 0 \rangle$	$\langle 41, 76, 26, 1 \rangle$	$\langle 76, 35, 59, 0 \rangle$
	$\langle 9, 30, 1, 2 \rangle$	$\langle 56, 28, 1, 0 \rangle$	$\langle 12, 83, 91, 1 \rangle$	$\langle 29, 88, 76, 2 \rangle$	$\langle 44, 65, 75, 2 \rangle$	$\langle 77, 59, 78, 1 \rangle$
	$\langle 10, 4, 66, 1 \rangle$	$\langle 6, 59, 19, 2 \rangle$	$\langle 17, 24, 63, 2 \rangle$	$\langle 31, 13, 51, 2 \rangle$	$\langle 44, 67, 37, 0 \rangle$	$\langle 81, 72, 46, 1 \rangle$
	$\langle 11, 48, 7, 2 \rangle$	$\langle 60, 3, 30, 0 \rangle$	$\langle 17, 28, 29, 1 \rangle$	$\langle 36, 23, 12, 0 \rangle$	$\langle 55, 16, 39, 2 \rangle$	$\langle 82, 53, 11, 1 \rangle$
	$\langle 2, 27, 78, 0 \rangle$	$\langle 62, 35, 5, 2 \rangle$	$\langle 17, 50, 45, 0 \rangle$	$\langle 37, 56, 46, 2 \rangle$	$\langle 63, 71, 30, 1 \rangle$	$\langle 84, 20, 69, 2 \rangle$
	$\langle 2, 69, 92, 1 \rangle$	$\langle 7, 49, 52, 1 \rangle$	$\langle 21, 64, 66, 0 \rangle$	$\langle 37, 74, 42, 1 \rangle$	$\langle 66, 49, 80, 2 \rangle$	$\langle 88, 74, 68, 0 \rangle$
	$\langle 29, 63, 4, 0 \rangle$	$\langle 87, 71, 4, 2 \rangle$	$\langle 22, 33, 83, 2 \rangle$	$\langle 40, 36, 39, 1 \rangle$	$\langle 68, 23, 77, 2 \rangle$	$\langle 89, 73, 54, 2 \rangle$
	$\langle 31, 6, 44, 1 \rangle$	$\langle 9, 84, 90, 1 \rangle$	$\langle 22, 91, 55, 0 \rangle$	$\langle 40, 38, 18, 0 \rangle$		
16	$\langle 9, 5, 3, 1 \rangle$	$\langle 39, 5, 57, 2 \rangle$	$\langle 19, 59, 39, 0 \rangle$	$\langle 34, 97, 57, 0 \rangle$	$\langle 62, 63, 31, 0 \rangle$	$\langle 78, 75, 42, 1 \rangle$
	$\langle 1, 11, 14, 0 \rangle$	$\langle 52, 18, 6, 0 \rangle$	$\langle 21, 51, 30, 0 \rangle$	$\langle 35, 83, 64, 0 \rangle$	$\langle 64, 42, 53, 2 \rangle$	$\langle 79, 72, 65, 0 \rangle$
	$\langle 14, 51, 0, 2 \rangle$	$\langle 56, 4, 31, 1 \rangle$	$\langle 21, 74, 45, 1 \rangle$	$\langle 49, 73, 28, 1 \rangle$	$\langle 65, 89, 81, 1 \rangle$	$\langle 80, 97, 95, 1 \rangle$
	$\langle 15, 7, 10, 0 \rangle$	$\langle 6, 19, 66, 2 \rangle$	$\langle 24, 80, 79, 2 \rangle$	$\langle 50, 91, 29, 2 \rangle$	$\langle 66, 82, 94, 0 \rangle$	$\langle 81, 96, 41, 2 \rangle$
	$\langle 2, 55, 22, 0 \rangle$	$\langle 72, 8, 50, 1 \rangle$	$\langle 25, 86, 36, 0 \rangle$	$\langle 53, 44, 71, 1 \rangle$	$\langle 68, 19, 34, 1 \rangle$	$\langle 87, 97, 15, 2 \rangle$
	$\langle 26, 9, 80, 0 \rangle$	$\langle 10, 39, 58, 1 \rangle$	$\langle 28, 58, 50, 0 \rangle$	$\langle 57, 98, 55, 1 \rangle$	$\langle 71, 16, 32, 0 \rangle$	$\langle 90, 52, 59, 1 \rangle$
	$\langle 27, 8, 84, 0 \rangle$	$\langle 12, 86, 13, 1 \rangle$	$\langle 29, 23, 96, 1 \rangle$	$\langle 60, 64, 15, 1 \rangle$	$\langle 73, 34, 16, 2 \rangle$	$\langle 92, 23, 56, 2 \rangle$
	$\langle 3, 41, 46, 0 \rangle$	$\langle 17, 49, 12, 0 \rangle$	$\langle 30, 16, 20, 1 \rangle$	$\langle 61, 38, 26, 1 \rangle$	$\langle 76, 45, 70, 0 \rangle$	$\langle 94, 85, 21, 2 \rangle$
$\langle 35, 7, 48, 1 \rangle$						
18	$\langle 0, 68, 9, 1 \rangle$	$\langle 8, 76, 97, 0 \rangle$	$\langle 16, 20, 93, 1 \rangle$	$\langle 6, 55, 102, 2 \rangle$	$\langle 83, 73, 64, 1 \rangle$	$\langle 100, 92, 46, 2 \rangle$
	$\langle 18, 8, 11, 2 \rangle$	$\langle 99, 61, 0, 2 \rangle$	$\langle 16, 22, 36, 2 \rangle$	$\langle 67, 48, 22, 0 \rangle$	$\langle 90, 77, 32, 1 \rangle$	$\langle 101, 27, 23, 1 \rangle$
	$\langle 2, 98, 99, 1 \rangle$	$\langle 10, 68, 51, 2 \rangle$	$\langle 17, 36, 65, 0 \rangle$	$\langle 7, 86, 103, 0 \rangle$	$\langle 90, 82, 24, 2 \rangle$	$\langle 103, 92, 31, 1 \rangle$
	$\langle 23, 52, 5, 0 \rangle$	$\langle 105, 84, 4, 1 \rangle$	$\langle 25, 37, 21, 0 \rangle$	$\langle 72, 85, 18, 0 \rangle$	$\langle 94, 42, 12, 2 \rangle$	$\langle 104, 54, 97, 1 \rangle$
	$\langle 39, 14, 3, 1 \rangle$	$\langle 11, 94, 71, 0 \rangle$	$\langle 40, 43, 38, 2 \rangle$	$\langle 75, 15, 59, 0 \rangle$	$\langle 97, 35, 59, 2 \rangle$	$\langle 106, 37, 30, 2 \rangle$
	$\langle 4, 67, 85, 2 \rangle$	$\langle 12, 60, 95, 1 \rangle$	$\langle 45, 43, 42, 1 \rangle$	$\langle 78, 54, 32, 2 \rangle$	$\langle 98, 14, 26, 2 \rangle$	$\langle 107, 53, 30, 0 \rangle$
	$\langle 4, 82, 56, 0 \rangle$	$\langle 14, 109, 9, 0 \rangle$	$\langle 46, 11, 47, 1 \rangle$	$\langle 78, 8, 110, 1 \rangle$	$\langle 99, 60, 66, 0 \rangle$	$\langle 108, 34, 66, 2 \rangle$
	$\langle 6, 68, 28, 0 \rangle$	$\langle 15, 10, 33, 1 \rangle$	$\langle 52, 38, 69, 1 \rangle$	$\langle 80, 13, 50, 2 \rangle$	$\langle 10, 101, 81, 0 \rangle$	$\langle 109, 29, 84, 2 \rangle$
$\langle 7, 62, 20, 2 \rangle$	$\langle 15, 23, 17, 2 \rangle$	$\langle 57, 85, 30, 1 \rangle$	$\langle 83, 12, 58, 0 \rangle$	$\langle 100, 13, 73, 0 \rangle$	$\langle 110, 89, 63, 0 \rangle$	
$\langle 7, 82, 41, 1 \rangle$						
19	$\langle 6, 8, 1, 0 \rangle$	$\langle 10, 68, 79, 2 \rangle$	$\langle 25, 98, 88, 2 \rangle$	$\langle 34, 91, 29, 2 \rangle$	$\langle 21, 10, 115, 1 \rangle$	$\langle 32, 104, 67, 2 \rangle$
	$\langle 9, 1, 7, 2 \rangle$	$\langle 11, 67, 64, 1 \rangle$	$\langle 27, 77, 99, 0 \rangle$	$\langle 35, 42, 51, 1 \rangle$	$\langle 21, 112, 94, 2 \rangle$	$\langle 32, 82, 101, 1 \rangle$
	$\langle 0, 5, 93, 2 \rangle$	$\langle 14, 46, 29, 1 \rangle$	$\langle 28, 43, 59, 1 \rangle$	$\langle 35, 61, 95, 2 \rangle$	$\langle 22, 84, 111, 0 \rangle$	$\langle 37, 114, 17, 2 \rangle$
	$\langle 10, 14, 3, 0 \rangle$	$\langle 15, 19, 94, 1 \rangle$	$\langle 28, 71, 49, 0 \rangle$	$\langle 35, 7, 101, 0 \rangle$	$\langle 23, 107, 53, 1 \rangle$	$\langle 38, 115, 76, 2 \rangle$
	$\langle 18, 34, 3, 1 \rangle$	$\langle 18, 82, 55, 2 \rangle$	$\langle 30, 55, 47, 0 \rangle$	$\langle 36, 32, 42, 0 \rangle$	$\langle 23, 108, 50, 2 \rangle$	$\langle 39, 75, 113, 2 \rangle$
	$\langle 22, 52, 0, 1 \rangle$	$\langle 18, 83, 85, 0 \rangle$	$\langle 30, 92, 16, 2 \rangle$	$\langle 37, 24, 50, 1 \rangle$	$\langle 25, 113, 61, 0 \rangle$	$\langle 40, 75, 110, 1 \rangle$
	$\langle 33, 16, 2, 0 \rangle$	$\langle 19, 78, 48, 2 \rangle$	$\langle 31, 63, 82, 0 \rangle$	$\langle 38, 13, 62, 1 \rangle$	$\langle 26, 104, 62, 0 \rangle$	$\langle 5, 116, 108, 0 \rangle$
	$\langle 37, 78, 4, 0 \rangle$	$\langle 20, 38, 57, 0 \rangle$	$\langle 33, 80, 12, 2 \rangle$	$\langle 57, 44, 69, 1 \rangle$	$\langle 27, 83, 111, 1 \rangle$	$\langle 8, 113, 116, 1 \rangle$
$\langle 6, 55, 54, 1 \rangle$	$\langle 20, 66, 84, 2 \rangle$	$\langle 33, 90, 36, 1 \rangle$	$\langle 13, 96, 106, 0 \rangle$	$\langle 30, 71, 105, 1 \rangle$	$\langle 24, 102, 101, 2 \rangle$	
$\langle 9, 70, 79, 1 \rangle$	$\langle 21, 67, 87, 0 \rangle$	$\langle 34, 80, 79, 0 \rangle$	$\langle 20, 114, 41, 1 \rangle$			

20	$\langle 66, 9, 7, 1 \rangle$	$\langle 25, 91, 22, 1 \rangle$	$\langle 52, 46, 60, 1 \rangle$	$\langle 74, 81, 90, 1 \rangle$	$\langle 38, 109, 41, 1 \rangle$	$\langle 65, 19, 103, 1 \rangle$	
	$\langle 19, 18, 0, 2 \rangle$	$\langle 27, 102, 7, 0 \rangle$	$\langle 54, 97, 71, 0 \rangle$	$\langle 75, 63, 85, 0 \rangle$	$\langle 42, 118, 12, 0 \rangle$	$\langle 66, 101, 31, 2 \rangle$	
	$\langle 29, 88, 8, 2 \rangle$	$\langle 27, 82, 64, 1 \rangle$	$\langle 58, 98, 16, 2 \rangle$	$\langle 80, 2, 112, 1 \rangle$	$\langle 46, 69, 108, 0 \rangle$	$\langle 68, 115, 59, 0 \rangle$	
	$\langle 30, 3, 45, 0 \rangle$	$\langle 30, 80, 81, 2 \rangle$	$\langle 61, 13, 28, 0 \rangle$	$\langle 83, 51, 20, 0 \rangle$	$\langle 48, 117, 10, 1 \rangle$	$\langle 72, 36, 110, 1 \rangle$	
	$\langle 41, 10, 5, 2 \rangle$	$\langle 35, 81, 57, 0 \rangle$	$\langle 61, 34, 87, 2 \rangle$	$\langle 90, 95, 94, 0 \rangle$	$\langle 50, 120, 26, 2 \rangle$	$\langle 73, 109, 15, 2 \rangle$	
	$\langle 42, 5, 23, 1 \rangle$	$\langle 35, 99, 65, 2 \rangle$	$\langle 62, 73, 95, 1 \rangle$	$\langle 32, 118, 40, 1 \rangle$	$\langle 52, 113, 86, 2 \rangle$	$\langle 77, 102, 89, 2 \rangle$	
	$\langle 50, 1, 25, 0 \rangle$	$\langle 39, 18, 62, 0 \rangle$	$\langle 62, 76, 51, 2 \rangle$	$\langle 32, 75, 116, 2 \rangle$	$\langle 53, 104, 25, 2 \rangle$	$\langle 78, 111, 22, 0 \rangle$	
	$\langle 14, 20, 43, 2 \rangle$	$\langle 46, 39, 11, 2 \rangle$	$\langle 64, 74, 55, 0 \rangle$	$\langle 33, 112, 95, 2 \rangle$	$\langle 60, 19, 112, 0 \rangle$	$\langle 39, 122, 107, 1 \rangle$	
	$\langle 16, 89, 14, 1 \rangle$	$\langle 48, 38, 42, 2 \rangle$	$\langle 71, 15, 29, 1 \rangle$	$\langle 36, 44, 101, 0 \rangle$	$\langle 60, 57, 106, 2 \rangle$	$\langle 72, 119, 103, 0 \rangle$	
	$\langle 2, 56, 121, 0 \rangle$	$\langle 50, 30, 70, 1 \rangle$	$\langle 74, 67, 72, 2 \rangle$	$\langle 37, 100, 49, 0 \rangle$	$\langle 63, 108, 11, 1 \rangle$	$\langle 88, 120, 109, 0 \rangle$	
	$\langle 24, 87, 37, 1 \rangle$						
	21	$\langle 1, 6, 31, 2 \rangle$	$\langle 23, 19, 71, 0 \rangle$	$\langle 48, 38, 89, 2 \rangle$	$\langle 10, 27, 127, 0 \rangle$	$\langle 122, 65, 54, 2 \rangle$	$\langle 81, 104, 12, 2 \rangle$
		$\langle 15, 3, 6, 1 \rangle$	$\langle 24, 30, 37, 0 \rangle$	$\langle 53, 25, 21, 0 \rangle$	$\langle 105, 20, 84, 2 \rangle$	$\langle 124, 41, 83, 1 \rangle$	$\langle 86, 110, 81, 1 \rangle$
		$\langle 11, 5, 36, 2 \rangle$	$\langle 24, 32, 61, 2 \rangle$	$\langle 62, 29, 92, 1 \rangle$	$\langle 108, 15, 81, 0 \rangle$	$\langle 127, 83, 68, 2 \rangle$	$\langle 94, 67, 120, 1 \rangle$
$\langle 47, 2, 93, 1 \rangle$		$\langle 28, 35, 34, 0 \rangle$	$\langle 64, 85, 25, 2 \rangle$	$\langle 108, 28, 95, 2 \rangle$	$\langle 128, 42, 34, 1 \rangle$	$\langle 99, 117, 77, 0 \rangle$	
$\langle 5, 23, 73, 1 \rangle$		$\langle 30, 78, 97, 2 \rangle$	$\langle 75, 114, 7, 1 \rangle$	$\langle 109, 14, 61, 1 \rangle$	$\langle 16, 52, 117, 2 \rangle$	$\langle 105, 103, 31, 1 \rangle$	
$\langle 5, 39, 85, 0 \rangle$		$\langle 32, 36, 92, 0 \rangle$	$\langle 8, 120, 62, 0 \rangle$	$\langle 112, 60, 16, 1 \rangle$	$\langle 60, 91, 111, 0 \rangle$	$\langle 114, 11, 113, 0 \rangle$	
$\langle 114, 62, 9, 2 \rangle$		$\langle 37, 3, 113, 2 \rangle$	$\langle 84, 49, 46, 1 \rangle$	$\langle 115, 52, 99, 1 \rangle$	$\langle 72, 57, 102, 2 \rangle$	$\langle 116, 100, 85, 1 \rangle$	
$\langle 119, 6, 79, 0 \rangle$		$\langle 38, 26, 13, 0 \rangle$	$\langle 87, 1, 107, 0 \rangle$	$\langle 117, 28, 50, 1 \rangle$	$\langle 73, 64, 115, 0 \rangle$	$\langle 12, 100, 118, 0 \rangle$	
$\langle 12, 82, 71, 1 \rangle$		$\langle 43, 41, 80, 2 \rangle$	$\langle 96, 106, 9, 0 \rangle$	$\langle 119, 10, 64, 1 \rangle$	$\langle 74, 110, 60, 2 \rangle$	$\langle 90, 123, 125, 0 \rangle$	
$\langle 128, 4, 54, 0 \rangle$		$\langle 46, 65, 56, 0 \rangle$	$\langle 96, 14, 42, 2 \rangle$	$\langle 119, 22, 46, 2 \rangle$	$\langle 80, 101, 37, 1 \rangle$	$\langle 95, 102, 103, 0 \rangle$	
$\langle 19, 33, 90, 1 \rangle$		$\langle 47, 61, 44, 0 \rangle$	$\langle 10, 21, 101, 2 \rangle$	$\langle 121, 76, 50, 0 \rangle$			

Table 2: Base Codewords of $[3, 1]$ -GDC(5)s of Type $2^{3u}4^1$

u	Base Codewords					
3	$\langle 0, 2, 8, 16 \rangle$	$\langle 0, 11, 14, 17 \rangle$	$\langle \infty_1, 0, 7, 4 \rangle$	$\langle \infty_0, 0, 1, 11 \rangle$	$\langle \infty_2, 0, 13, 15 \rangle$	$\langle \infty_3, 0, 17, 12 \rangle$
	$\langle 1, 5, 11, 4 \rangle$	$\langle 1, 14, 17, 15 \rangle$				
4	$\langle 0, 1, 2, 19 \rangle$	$\langle 0, 4, 10, 13 \rangle$	$\langle 1, 4, 23, 15 \rangle$	$\langle \infty_0, 0, 3, 1 \rangle$	$\langle \infty_2, 0, 11, 20 \rangle$	$\langle \infty_3, 0, 17, 21 \rangle$
	$\langle 1, 7, 21, 2 \rangle$	$\langle 0, 8, 15, 14 \rangle$	$\langle 1, 9, 20, 12 \rangle$	$\langle \infty_1, 0, 9, 2 \rangle$		
5	$\langle 0, 4, 9, 5 \rangle$	$\langle 1, 6, 7, 12 \rangle$	$\langle 0, 3, 23, 26 \rangle$	$\langle 1, 5, 13, 25 \rangle$	$\langle \infty_0, 0, 7, 8 \rangle$	$\langle \infty_2, 0, 17, 16 \rangle$
	$\langle 0, 8, 24, 3 \rangle$	$\langle 0, 18, 20, 2 \rangle$	$\langle 1, 2, 15, 23 \rangle$	$\langle 1, 10, 29, 20 \rangle$	$\langle \infty_1, 0, 11, 13 \rangle$	$\langle \infty_3, 0, 27, 24 \rangle$
6	$\langle 0, 8, 30, 2 \rangle$	$\langle 0, 20, 27, 1 \rangle$	$\langle 1, 5, 22, 35 \rangle$	$\langle 0, 12, 21, 23 \rangle$	$\langle \infty_0, 0, 5, 21 \rangle$	$\langle \infty_2, 0, 29, 6 \rangle$
	$\langle 1, 4, 6, 18 \rangle$	$\langle 0, 4, 17, 20 \rangle$	$\langle 0, 10, 11, 19 \rangle$	$\langle 1, 11, 13, 22 \rangle$	$\langle \infty_1, 0, 25, 3 \rangle$	$\langle \infty_3, 0, 35, 24 \rangle$
	$\langle 1, 9, 15, 6 \rangle$	$\langle 1, 14, 17, 0 \rangle$				
7	$\langle 0, 4, 31, 9 \rangle$	$\langle 0, 1, 40, 29 \rangle$	$\langle 0, 5, 30, 41 \rangle$	$\langle 1, 5, 18, 15 \rangle$	$\langle \infty_0, 0, 9, 2 \rangle$	$\langle \infty_2, 0, 37, 10 \rangle$
	$\langle 0, 6, 20, 1 \rangle$	$\langle 0, 10, 34, 6 \rangle$	$\langle 1, 2, 35, 10 \rangle$	$\langle 1, 15, 17, 33 \rangle$	$\langle \infty_1, 0, 15, 3 \rangle$	$\langle \infty_3, 0, 39, 16 \rangle$
	$\langle 1, 8, 19, 2 \rangle$	$\langle 0, 16, 23, 4 \rangle$	$\langle 1, 24, 37, 0 \rangle$	$\langle 1, 21, 33, 13 \rangle$		
8	$\langle 0, 3, 30, 4 \rangle$	$\langle 0, 6, 14, 23 \rangle$	$\langle 1, 4, 29, 39 \rangle$	$\langle 0, 27, 36, 31 \rangle$	$\langle 1, 18, 20, 47 \rangle$	$\langle \infty_1, 0, 13, 2 \rangle$
	$\langle 0, 1, 38, 46 \rangle$	$\langle 0, 7, 22, 41 \rangle$	$\langle 1, 5, 30, 45 \rangle$	$\langle 0, 28, 44, 10 \rangle$	$\langle 1, 34, 43, 28 \rangle$	$\langle \infty_2, 0, 37, 1 \rangle$
	$\langle 0, 17, 47, 5 \rangle$	$\langle 1, 3, 17, 26 \rangle$	$\langle 1, 9, 14, 40 \rangle$	$\langle 1, 13, 23, 18 \rangle$	$\langle \infty_0, 0, 5, 7 \rangle$	$\langle \infty_3, 0, 41, 6 \rangle$
9	$\langle 0, 7, 28, 2 \rangle$	$\langle 0, 13, 42, 6 \rangle$	$\langle 1, 5, 38, 20 \rangle$	$\langle 0, 16, 34, 37 \rangle$	$\langle 1, 16, 31, 29 \rangle$	$\langle \infty_1, 0, 11, 7 \rangle$
	$\langle 1, 3, 6, 49 \rangle$	$\langle 0, 5, 50, 30 \rangle$	$\langle 1, 9, 18, 44 \rangle$	$\langle 0, 22, 24, 10 \rangle$	$\langle 1, 17, 37, 43 \rangle$	$\langle \infty_2, 0, 31, 1 \rangle$
	$\langle 1, 8, 49, 0 \rangle$	$\langle 0, 6, 46, 14 \rangle$	$\langle 0, 10, 29, 33 \rangle$	$\langle 1, 13, 27, 45 \rangle$	$\langle \infty_0, 0, 3, 4 \rangle$	$\langle \infty_3, 0, 35, 15 \rangle$
	$\langle 0, 1, 23, 32 \rangle$	$\langle 1, 2, 45, 11 \rangle$				
10	$\langle 0, 2, 6, 39 \rangle$	$\langle 1, 41, 45, 2 \rangle$	$\langle 0, 19, 37, 18 \rangle$	$\langle 1, 12, 36, 35 \rangle$	$\langle 1, 29, 30, 14 \rangle$	$\langle \infty_1, 0, 9, 2 \rangle$
	$\langle 1, 7, 9, 47 \rangle$	$\langle 0, 10, 57, 55 \rangle$	$\langle 0, 20, 52, 11 \rangle$	$\langle 1, 15, 27, 19 \rangle$	$\langle 1, 34, 51, 26 \rangle$	$\langle \infty_2, 0, 29, 5 \rangle$
	$\langle 0, 22, 35, 3 \rangle$	$\langle 0, 11, 18, 25 \rangle$	$\langle 0, 23, 44, 13 \rangle$	$\langle 1, 16, 37, 52 \rangle$	$\langle \infty_0, 0, 1, 4 \rangle$	$\langle \infty_3, 0, 43, 6 \rangle$
	$\langle 0, 7, 26, 12 \rangle$	$\langle 0, 12, 15, 54 \rangle$	$\langle 1, 10, 56, 34 \rangle$	$\langle 1, 23, 28, 43 \rangle$		

11	$\langle 0, 2, 3, 65 \rangle$	$\langle 1, 4, 65, 18 \rangle$	$\langle 0, 17, 36, 11 \rangle$	$\langle 0, 40, 46, 61 \rangle$	$\langle 1, 22, 29, 11 \rangle$	$\langle \infty_0, 0, 11, 3 \rangle$
	$\langle 0, 5, 62, 8 \rangle$	$\langle 1, 45, 55, 2 \rangle$	$\langle 0, 19, 42, 58 \rangle$	$\langle 1, 10, 59, 47 \rangle$	$\langle 1, 30, 53, 57 \rangle$	$\langle \infty_1, 0, 29, 1 \rangle$
	$\langle 0, 16, 38, 7 \rangle$	$\langle 1, 8, 61, 46 \rangle$	$\langle 0, 21, 56, 46 \rangle$	$\langle 1, 19, 35, 37 \rangle$	$\langle 1, 32, 40, 64 \rangle$	$\langle \infty_2, 0, 41, 4 \rangle$
	$\langle 0, 18, 32, 5 \rangle$	$\langle 0, 13, 54, 22 \rangle$	$\langle 0, 39, 65, 26 \rangle$	$\langle 1, 21, 63, 56 \rangle$	$\langle 1, 37, 52, 58 \rangle$	$\langle \infty_3, 0, 55, 9 \rangle$
13	$\langle 0, 8, 64, 7 \rangle$	$\langle 1, 22, 75, 8 \rangle$	$\langle 0, 17, 72, 19 \rangle$	$\langle 0, 49, 67, 59 \rangle$	$\langle 1, 34, 77, 70 \rangle$	$\langle \infty_0, 0, 7, 3 \rangle$
	$\langle 1, 6, 47, 7 \rangle$	$\langle 1, 46, 55, 9 \rangle$	$\langle 0, 19, 63, 50 \rangle$	$\langle 0, 65, 77, 60 \rangle$	$\langle 1, 39, 42, 54 \rangle$	$\langle \infty_1, 0, 25, 5 \rangle$
	$\langle 0, 12, 30, 9 \rangle$	$\langle 1, 68, 69, 0 \rangle$	$\langle 0, 26, 54, 42 \rangle$	$\langle 1, 10, 71, 14 \rangle$	$\langle 1, 49, 63, 18 \rangle$	$\langle \infty_2, 0, 31, 13 \rangle$
	$\langle 0, 13, 55, 2 \rangle$	$\langle 1, 8, 76, 60 \rangle$	$\langle 0, 27, 76, 45 \rangle$	$\langle 1, 21, 64, 41 \rangle$	$\langle 1, 51, 73, 45 \rangle$	$\langle \infty_3, 0, 59, 11 \rangle$
	$\langle 0, 4, 38, 30 \rangle$	$\langle 0, 16, 58, 51 \rangle$	$\langle 0, 46, 51, 54 \rangle$	$\langle 1, 27, 58, 13 \rangle$		
14	$\langle 0, 2, 3, 34 \rangle$	$\langle 1, 21, 30, 0 \rangle$	$\langle 1, 9, 31, 24 \rangle$	$\langle 0, 22, 60, 20 \rangle$	$\langle 1, 11, 51, 65 \rangle$	$\langle 1, 76, 83, 31 \rangle$
	$\langle 1, 4, 69, 7 \rangle$	$\langle 1, 40, 56, 8 \rangle$	$\langle 0, 10, 51, 59 \rangle$	$\langle 0, 27, 58, 53 \rangle$	$\langle 1, 12, 48, 63 \rangle$	$\langle \infty_0, 0, 35, 2 \rangle$
	$\langle 0, 18, 23, 7 \rangle$	$\langle 1, 6, 70, 10 \rangle$	$\langle 0, 11, 47, 63 \rangle$	$\langle 0, 32, 71, 67 \rangle$	$\langle 1, 13, 71, 62 \rangle$	$\langle \infty_2, 0, 69, 6 \rangle$
	$\langle 0, 4, 54, 13 \rangle$	$\langle 1, 7, 53, 19 \rangle$	$\langle 0, 13, 72, 48 \rangle$	$\langle 0, 43, 61, 46 \rangle$	$\langle 1, 25, 52, 45 \rangle$	$\langle \infty_1, 0, 67, 10 \rangle$
	$\langle 0, 6, 76, 33 \rangle$	$\langle 1, 8, 36, 74 \rangle$	$\langle 0, 17, 21, 22 \rangle$	$\langle 0, 44, 63, 65 \rangle$	$\langle 1, 29, 54, 46 \rangle$	$\langle \infty_3, 0, 83, 12 \rangle$
17	$\langle 0, 4, 7, 41 \rangle$	$\langle 1, 12, 48, 0 \rangle$	$\langle 0, 26, 78, 94 \rangle$	$\langle 0, 46, 54, 21 \rangle$	$\langle 1, 38, 87, 73 \rangle$	$\langle 0, 28, 57, 100 \rangle$
	$\langle 1, 2, 8, 26 \rangle$	$\langle 1, 47, 53, 6 \rangle$	$\langle 0, 30, 90, 75 \rangle$	$\langle 1, 20, 40, 49 \rangle$	$\langle 1, 39, 63, 80 \rangle$	$\langle 1, 78, 99, 100 \rangle$
	$\langle 0, 1, 44, 58 \rangle$	$\langle 1, 77, 89, 8 \rangle$	$\langle 0, 31, 40, 59 \rangle$	$\langle 1, 22, 92, 60 \rangle$	$\langle 1, 4, 101, 53 \rangle$	$\langle \infty_0, 0, 27, 3 \rangle$
	$\langle 0, 17, 86, 1 \rangle$	$\langle 0, 10, 85, 91 \rangle$	$\langle 0, 35, 69, 44 \rangle$	$\langle 1, 26, 60, 19 \rangle$	$\langle 1, 50, 88, 83 \rangle$	$\langle \infty_1, 0, 39, 2 \rangle$
	$\langle 0, 2, 89, 78 \rangle$	$\langle 0, 14, 23, 99 \rangle$	$\langle 0, 41, 73, 39 \rangle$	$\langle 1, 31, 59, 13 \rangle$	$\langle 1, 61, 81, 21 \rangle$	$\langle \infty_2, 0, 47, 5 \rangle$
	$\langle 0, 61, 71, 8 \rangle$	$\langle 0, 18, 37, 73 \rangle$	$\langle 0, 45, 80, 67 \rangle$	$\langle 1, 37, 85, 28 \rangle$	$\langle 1, 90, 95, 76 \rangle$	$\langle \infty_3, 0, 79, 6 \rangle$
18	$\langle 0, 1, 16, 24 \rangle$	$\langle 0, 20, 85, 79 \rangle$	$\langle 0, 78, 87, 98 \rangle$	$\langle 1, 4, 56, 107 \rangle$	$\langle 1, 59, 75, 50 \rangle$	$\langle 1, 98, 102, 22 \rangle$
	$\langle 0, 3, 22, 16 \rangle$	$\langle 0, 24, 64, 37 \rangle$	$\langle 1, 14, 104, 0 \rangle$	$\langle 1, 40, 73, 88 \rangle$	$\langle 1, 85, 94, 43 \rangle$	$\langle 1, 101, 103, 15 \rangle$
	$\langle 0, 6, 14, 69 \rangle$	$\langle 0, 25, 26, 88 \rangle$	$\langle 1, 21, 43, 30 \rangle$	$\langle 1, 42, 105, 9 \rangle$	$\langle 0, 12, 103, 22 \rangle$	$\langle \infty_0, 0, 39, 2 \rangle$
	$\langle 1, 36, 82, 5 \rangle$	$\langle 0, 28, 51, 92 \rangle$	$\langle 1, 26, 28, 51 \rangle$	$\langle 1, 47, 57, 35 \rangle$	$\langle 0, 34, 70, 104 \rangle$	$\langle \infty_1, 0, 43, 3 \rangle$
	$\langle 0, 10, 58, 99 \rangle$	$\langle 0, 35, 66, 67 \rangle$	$\langle 1, 29, 97, 32 \rangle$	$\langle 1, 49, 96, 17 \rangle$	$\langle 0, 57, 101, 93 \rangle$	$\langle \infty_2, 0, 45, 7 \rangle$
	$\langle 0, 17, 31, 68 \rangle$	$\langle 0, 37, 75, 65 \rangle$	$\langle 1, 33, 62, 81 \rangle$	$\langle 1, 54, 83, 93 \rangle$	$\langle 1, 12, 88, 102 \rangle$	$\langle \infty_3, 0, 71, 9 \rangle$
22	$\langle 0, 19, 49, 96 \rangle$	$\langle 0, 41, 59, 97 \rangle$				
	$\langle 1, 2, 5, 77 \rangle$	$\langle 0, 5, 128, 24 \rangle$	$\langle 1, 16, 31, 27 \rangle$	$\langle 0, 13, 120, 42 \rangle$	$\langle 0, 82, 106, 74 \rangle$	$\langle 1, 99, 117, 38 \rangle$
	$\langle 0, 7, 59, 27 \rangle$	$\langle 0, 55, 79, 46 \rangle$	$\langle 1, 18, 34, 32 \rangle$	$\langle 0, 22, 39, 127 \rangle$	$\langle 1, 20, 127, 33 \rangle$	$\langle 1, 84, 125, 115 \rangle$
	$\langle 1, 3, 63, 99 \rangle$	$\langle 0, 58, 94, 61 \rangle$	$\langle 1, 29, 58, 75 \rangle$	$\langle 0, 30, 61, 117 \rangle$	$\langle 1, 22, 123, 56 \rangle$	$\langle 1, 107, 119, 114 \rangle$
	$\langle 0, 11, 57, 91 \rangle$	$\langle 0, 60, 89, 59 \rangle$	$\langle 1, 33, 42, 80 \rangle$	$\langle 0, 32, 84, 109 \rangle$	$\langle 1, 23, 113, 71 \rangle$	$\langle \infty_0, 0, 19, 2 \rangle$
	$\langle 0, 18, 130, 4 \rangle$	$\langle 0, 62, 63, 51 \rangle$	$\langle 1, 36, 80, 98 \rangle$	$\langle 0, 33, 40, 120 \rangle$	$\langle 1, 57, 112, 29 \rangle$	$\langle \infty_2, 0, 81, 1 \rangle$
	$\langle 0, 23, 71, 21 \rangle$	$\langle 0, 8, 126, 76 \rangle$	$\langle 1, 45, 50, 34 \rangle$	$\langle 0, 42, 85, 125 \rangle$	$\langle 1, 59, 95, 104 \rangle$	$\langle \infty_3, 0, 93, 5 \rangle$
	$\langle 0, 35, 98, 47 \rangle$	$\langle 1, 12, 88, 69 \rangle$	$\langle 1, 55, 82, 94 \rangle$	$\langle 0, 54, 122, 94 \rangle$	$\langle 1, 83, 106, 11 \rangle$	$\langle \infty_1, 0, 37, 10 \rangle$
$\langle 0, 47, 87, 71 \rangle$	$\langle 1, 14, 60, 86 \rangle$	$\langle 1, 65, 68, 28 \rangle$	$\langle 0, 67, 104, 16 \rangle$			

Table 3: The Codewords of Optimal $(n, 5, [3, 1])_3$ -codes for $n \in \{11, 17, 23, 29, 35\}$

n	Codewords					
11	$\langle 0, 1, 2, 9 \rangle$	$\langle 1, 3, 5, 0 \rangle$	$\langle 2, 4, 8, 1 \rangle$	$\langle 4, 5, 7, 9 \rangle$	$\langle 1, 7, 9, 10 \rangle$	$\langle 4, 9, 10, 2 \rangle$
	$\langle 0, 5, 6, 4 \rangle$	$\langle 1, 4, 6, 3 \rangle$	$\langle 2, 6, 9, 5 \rangle$	$\langle 5, 8, 9, 3 \rangle$	$\langle 1, 8, 10, 6 \rangle$	$\langle 6, 7, 10, 0 \rangle$
	$\langle 0, 7, 8, 5 \rangle$	$\langle 2, 3, 7, 4 \rangle$	$\langle 3, 6, 8, 7 \rangle$	$\langle 0, 3, 10, 8 \rangle$	$\langle 2, 5, 10, 7 \rangle$	
17	$\langle 0, 1, 5, 7 \rangle$	$\langle 1, 8, 14, 4 \rangle$	$\langle 5, 6, 13, 4 \rangle$	$\langle 2, 5, 16, 11 \rangle$	$\langle 4, 6, 14, 15 \rangle$	$\langle 9, 13, 16, 2 \rangle$
	$\langle 5, 7, 8, 2 \rangle$	$\langle 1, 9, 10, 8 \rangle$	$\langle 0, 10, 15, 4 \rangle$	$\langle 2, 6, 15, 13 \rangle$	$\langle 4, 9, 11, 13 \rangle$	$\langle 0, 12, 16, 13 \rangle$
	$\langle 6, 7, 9, 3 \rangle$	$\langle 2, 3, 12, 5 \rangle$	$\langle 0, 2, 13, 14 \rangle$	$\langle 3, 14, 16, 9 \rangle$	$\langle 5, 10, 14, 1 \rangle$	$\langle 11, 14, 15, 0 \rangle$
	$\langle 0, 3, 9, 15 \rangle$	$\langle 2, 4, 7, 16 \rangle$	$\langle 0, 7, 14, 12 \rangle$	$\langle 3, 4, 13, 10 \rangle$	$\langle 5, 9, 12, 16 \rangle$	$\langle 7, 12, 15, 10 \rangle$
	$\langle 0, 4, 8, 11 \rangle$	$\langle 2, 8, 10, 0 \rangle$	$\langle 1, 2, 11, 10 \rangle$	$\langle 3, 5, 11, 14 \rangle$	$\langle 6, 10, 16, 5 \rangle$	$\langle 8, 11, 12, 15 \rangle$
	$\langle 0, 6, 11, 2 \rangle$	$\langle 2, 9, 14, 7 \rangle$	$\langle 1, 3, 15, 16 \rangle$	$\langle 3, 7, 10, 11 \rangle$	$\langle 7, 11, 16, 1 \rangle$	$\langle 10, 11, 13, 16 \rangle$
	$\langle 1, 6, 12, 0 \rangle$	$\langle 3, 6, 8, 12 \rangle$	$\langle 1, 4, 16, 12 \rangle$	$\langle 4, 10, 12, 2 \rangle$	$\langle 8, 15, 16, 6 \rangle$	$\langle 12, 13, 14, 11 \rangle$
	$\langle 1, 7, 13, 9 \rangle$	$\langle 4, 5, 15, 3 \rangle$				

23	$\langle 0, 3, 4, 8 \rangle$	$\langle 3, 9, 13, 4 \rangle$	$\langle 2, 14, 15, 1 \rangle$	$\langle 6, 12, 20, 1 \rangle$	$\langle 11, 14, 18, 8 \rangle$	$\langle 6, 15, 22, 13 \rangle$	
	$\langle 0, 5, 6, 3 \rangle$	$\langle 5, 9, 17, 6 \rangle$	$\langle 2, 3, 21, 12 \rangle$	$\langle 6, 14, 21, 4 \rangle$	$\langle 12, 18, 19, 6 \rangle$	$\langle 7, 14, 16, 18 \rangle$	
	$\langle 7, 8, 9, 1 \rangle$	$\langle 0, 11, 16, 2 \rangle$	$\langle 3, 18, 22, 5 \rangle$	$\langle 6, 7, 11, 20 \rangle$	$\langle 14, 20, 22, 2 \rangle$	$\langle 8, 11, 19, 12 \rangle$	
	$\langle 0, 1, 22, 4 \rangle$	$\langle 0, 17, 18, 7 \rangle$	$\langle 3, 7, 12, 16 \rangle$	$\langle 6, 8, 10, 22 \rangle$	$\langle 15, 16, 19, 5 \rangle$	$\langle 8, 15, 18, 21 \rangle$	
	$\langle 0, 7, 21, 5 \rangle$	$\langle 0, 2, 19, 13 \rangle$	$\langle 4, 11, 13, 0 \rangle$	$\langle 7, 17, 22, 8 \rangle$	$\langle 16, 21, 22, 1 \rangle$	$\langle 9, 11, 15, 14 \rangle$	
	$\langle 1, 3, 8, 20 \rangle$	$\langle 0, 8, 20, 19 \rangle$	$\langle 4, 12, 14, 5 \rangle$	$\langle 7, 19, 20, 4 \rangle$	$\langle 2, 11, 20, 10 \rangle$	$\langle 9, 12, 22, 17 \rangle$	
	$\langle 1, 4, 6, 19 \rangle$	$\langle 0, 9, 10, 15 \rangle$	$\langle 4, 18, 21, 3 \rangle$	$\langle 8, 13, 21, 6 \rangle$	$\langle 3, 10, 14, 21 \rangle$	$\langle 9, 16, 18, 20 \rangle$	
	$\langle 1, 7, 13, 2 \rangle$	$\langle 1, 10, 16, 6 \rangle$	$\langle 4, 7, 15, 12 \rangle$	$\langle 8, 16, 17, 0 \rangle$	$\langle 3, 11, 17, 13 \rangle$	$\langle 10, 11, 22, 19 \rangle$	
	$\langle 2, 4, 5, 18 \rangle$	$\langle 1, 11, 12, 9 \rangle$	$\langle 4, 8, 22, 11 \rangle$	$\langle 9, 20, 21, 0 \rangle$	$\langle 3, 15, 20, 22 \rangle$	$\langle 10, 18, 20, 14 \rangle$	
	$\langle 2, 6, 9, 11 \rangle$	$\langle 1, 19, 21, 8 \rangle$	$\langle 4, 9, 19, 21 \rangle$	$\langle 0, 12, 15, 18 \rangle$	$\langle 4, 10, 17, 16 \rangle$	$\langle 12, 13, 16, 15 \rangle$	
	$\langle 2, 7, 10, 0 \rangle$	$\langle 1, 2, 18, 22 \rangle$	$\langle 5, 13, 15, 8 \rangle$	$\langle 0, 13, 14, 12 \rangle$	$\langle 4, 16, 20, 13 \rangle$	$\langle 12, 17, 21, 19 \rangle$	
	$\langle 2, 8, 12, 7 \rangle$	$\langle 1, 5, 20, 15 \rangle$	$\langle 5, 19, 22, 0 \rangle$	$\langle 1, 15, 17, 11 \rangle$	$\langle 5, 10, 12, 20 \rangle$	$\langle 13, 17, 20, 18 \rangle$	
	$\langle 3, 5, 16, 9 \rangle$	$\langle 1, 9, 14, 16 \rangle$	$\langle 5, 7, 18, 11 \rangle$	$\langle 10, 13, 19, 3 \rangle$	$\langle 5, 11, 21, 16 \rangle$	$\langle 14, 17, 19, 22 \rangle$	
	$\langle 3, 6, 19, 2 \rangle$	$\langle 2, 13, 22, 9 \rangle$	$\langle 5, 8, 14, 17 \rangle$	$\langle 10, 15, 21, 7 \rangle$	$\langle 6, 13, 18, 10 \rangle$		
	29	$\langle 1, 3, 5, 8 \rangle$	$\langle 1, 8, 14, 26 \rangle$	$\langle 6, 11, 14, 8 \rangle$	$\langle 10, 11, 13, 9 \rangle$	$\langle 4, 13, 28, 27 \rangle$	$\langle 9, 18, 23, 27 \rangle$
		$\langle 2, 3, 6, 0 \rangle$	$\langle 1, 9, 25, 24 \rangle$	$\langle 6, 17, 28, 3 \rangle$	$\langle 10, 16, 27, 4 \rangle$	$\langle 4, 14, 20, 25 \rangle$	$\langle 10, 12, 15, 21 \rangle$
$\langle 0, 1, 2, 22 \rangle$		$\langle 2, 12, 18, 7 \rangle$	$\langle 6, 26, 27, 7 \rangle$	$\langle 11, 16, 28, 1 \rangle$	$\langle 4, 15, 17, 10 \rangle$	$\langle 10, 14, 22, 24 \rangle$	
$\langle 0, 4, 11, 6 \rangle$		$\langle 2, 14, 21, 9 \rangle$	$\langle 6, 9, 12, 26 \rangle$	$\langle 11, 17, 20, 0 \rangle$	$\langle 4, 16, 19, 15 \rangle$	$\langle 10, 17, 24, 25 \rangle$	
$\langle 0, 6, 7, 12 \rangle$		$\langle 2, 20, 28, 5 \rangle$	$\langle 7, 17, 19, 8 \rangle$	$\langle 12, 13, 19, 4 \rangle$	$\langle 4, 22, 23, 18 \rangle$	$\langle 10, 25, 28, 15 \rangle$	
$\langle 0, 9, 26, 8 \rangle$		$\langle 2, 4, 25, 21 \rangle$	$\langle 7, 23, 28, 9 \rangle$	$\langle 12, 22, 25, 1 \rangle$	$\langle 5, 10, 18, 22 \rangle$	$\langle 11, 15, 18, 28 \rangle$	
$\langle 1, 4, 6, 14 \rangle$		$\langle 2, 5, 24, 18 \rangle$	$\langle 8, 15, 24, 7 \rangle$	$\langle 13, 15, 16, 5 \rangle$	$\langle 5, 11, 26, 15 \rangle$	$\langle 11, 19, 23, 22 \rangle$	
$\langle 2, 8, 9, 12 \rangle$		$\langle 3, 19, 21, 7 \rangle$	$\langle 8, 18, 28, 6 \rangle$	$\langle 13, 23, 26, 0 \rangle$	$\langle 5, 21, 28, 19 \rangle$	$\langle 11, 21, 25, 17 \rangle$	
$\langle 3, 4, 10, 1 \rangle$		$\langle 3, 24, 28, 4 \rangle$	$\langle 8, 19, 25, 0 \rangle$	$\langle 14, 15, 25, 2 \rangle$	$\langle 6, 10, 20, 13 \rangle$	$\langle 12, 14, 28, 23 \rangle$	
$\langle 3, 7, 11, 2 \rangle$		$\langle 3, 25, 26, 9 \rangle$	$\langle 9, 11, 24, 5 \rangle$	$\langle 14, 18, 24, 1 \rangle$	$\langle 6, 15, 22, 25 \rangle$	$\langle 12, 17, 27, 14 \rangle$	
$\langle 4, 5, 12, 2 \rangle$		$\langle 3, 8, 12, 15 \rangle$	$\langle 9, 16, 22, 2 \rangle$	$\langle 16, 23, 24, 3 \rangle$	$\langle 6, 16, 21, 24 \rangle$	$\langle 12, 20, 23, 17 \rangle$	
$\langle 6, 8, 13, 2 \rangle$		$\langle 3, 9, 15, 20 \rangle$	$\langle 9, 27, 28, 0 \rangle$	$\langle 17, 21, 22, 4 \rangle$	$\langle 6, 18, 19, 11 \rangle$	$\langle 12, 21, 26, 28 \rangle$	
$\langle 7, 8, 10, 3 \rangle$		$\langle 4, 24, 27, 9 \rangle$	$\langle 0, 10, 21, 16 \rangle$	$\langle 19, 24, 26, 2 \rangle$	$\langle 6, 24, 25, 20 \rangle$	$\langle 13, 14, 27, 19 \rangle$	
$\langle 7, 9, 14, 6 \rangle$		$\langle 4, 7, 18, 13 \rangle$	$\langle 0, 12, 24, 13 \rangle$	$\langle 2, 10, 26, 11 \rangle$	$\langle 7, 12, 16, 25 \rangle$	$\langle 13, 18, 25, 23 \rangle$	
$\langle 0, 22, 27, 3 \rangle$		$\langle 4, 8, 26, 22 \rangle$	$\langle 0, 14, 23, 21 \rangle$	$\langle 2, 11, 27, 13 \rangle$	$\langle 7, 15, 27, 17 \rangle$	$\langle 13, 22, 24, 11 \rangle$	
$\langle 0, 3, 13, 25 \rangle$		$\langle 4, 9, 21, 23 \rangle$	$\langle 0, 16, 25, 14 \rangle$	$\langle 2, 15, 23, 24 \rangle$	$\langle 7, 20, 25, 18 \rangle$	$\langle 14, 16, 26, 18 \rangle$	
$\langle 0, 5, 15, 23 \rangle$		$\langle 5, 14, 19, 3 \rangle$	$\langle 0, 18, 20, 15 \rangle$	$\langle 2, 16, 17, 19 \rangle$	$\langle 7, 22, 26, 20 \rangle$	$\langle 15, 19, 20, 26 \rangle$	
$\langle 0, 8, 17, 27 \rangle$		$\langle 5, 20, 22, 9 \rangle$	$\langle 0, 19, 28, 24 \rangle$	$\langle 2, 19, 22, 10 \rangle$	$\langle 8, 11, 22, 16 \rangle$	$\langle 15, 26, 28, 16 \rangle$	
$\langle 1, 10, 23, 6 \rangle$		$\langle 5, 25, 27, 6 \rangle$	$\langle 1, 11, 12, 10 \rangle$	$\langle 3, 14, 17, 13 \rangle$	$\langle 8, 20, 27, 24 \rangle$	$\langle 17, 18, 26, 24 \rangle$	
$\langle 1, 16, 18, 0 \rangle$		$\langle 5, 6, 23, 28 \rangle$	$\langle 1, 13, 17, 15 \rangle$	$\langle 3, 16, 20, 10 \rangle$	$\langle 8, 21, 23, 10 \rangle$	$\langle 17, 23, 25, 16 \rangle$	
$\langle 1, 20, 26, 4 \rangle$		$\langle 5, 7, 13, 10 \rangle$	$\langle 1, 15, 21, 27 \rangle$	$\langle 3, 18, 22, 26 \rangle$	$\langle 9, 10, 19, 17 \rangle$	$\langle 18, 21, 27, 20 \rangle$	
$\langle 1, 22, 28, 7 \rangle$		$\langle 5, 8, 16, 20 \rangle$	$\langle 1, 19, 27, 16 \rangle$	$\langle 3, 23, 27, 12 \rangle$	$\langle 9, 13, 20, 16 \rangle$	$\langle 20, 21, 24, 22 \rangle$	
$\langle 1, 7, 24, 21 \rangle$	$\langle 5, 9, 17, 21 \rangle$						

35	$\langle 4, 5, 6, 1 \rangle$	$\langle 3, 12, 30, 0 \rangle$	$\langle 0, 14, 25, 11 \rangle$	$\langle 2, 16, 17, 30 \rangle$	$\langle 7, 16, 24, 22 \rangle$	$\langle 12, 21, 26, 24 \rangle$
	$\langle 0, 3, 17, 7 \rangle$	$\langle 3, 19, 25, 5 \rangle$	$\langle 0, 16, 29, 25 \rangle$	$\langle 2, 23, 25, 16 \rangle$	$\langle 7, 17, 30, 14 \rangle$	$\langle 13, 15, 29, 30 \rangle$
	$\langle 0, 5, 13, 8 \rangle$	$\langle 3, 6, 10, 15 \rangle$	$\langle 0, 18, 21, 14 \rangle$	$\langle 2, 32, 33, 29 \rangle$	$\langle 7, 19, 32, 25 \rangle$	$\langle 13, 16, 30, 20 \rangle$
	$\langle 0, 7, 8, 12 \rangle$	$\langle 3, 7, 11, 29 \rangle$	$\langle 0, 19, 23, 28 \rangle$	$\langle 22, 25, 34, 1 \rangle$	$\langle 7, 20, 28, 10 \rangle$	$\langle 13, 17, 23, 21 \rangle$
	$\langle 1, 3, 5, 23 \rangle$	$\langle 3, 8, 33, 14 \rangle$	$\langle 0, 20, 32, 19 \rangle$	$\langle 22, 27, 30, 7 \rangle$	$\langle 7, 22, 33, 17 \rangle$	$\langle 13, 18, 34, 33 \rangle$
	$\langle 1, 6, 28, 0 \rangle$	$\langle 4, 12, 25, 3 \rangle$	$\langle 0, 28, 31, 20 \rangle$	$\langle 23, 28, 33, 7 \rangle$	$\langle 7, 23, 27, 20 \rangle$	$\langle 13, 20, 31, 24 \rangle$
	$\langle 1, 7, 9, 15 \rangle$	$\langle 4, 19, 30, 8 \rangle$	$\langle 1, 10, 20, 34 \rangle$	$\langle 29, 33, 34, 3 \rangle$	$\langle 7, 31, 34, 16 \rangle$	$\langle 13, 25, 32, 23 \rangle$
	$\langle 2, 3, 34, 8 \rangle$	$\langle 4, 21, 34, 7 \rangle$	$\langle 1, 12, 14, 27 \rangle$	$\langle 3, 13, 27, 12 \rangle$	$\langle 8, 10, 22, 28 \rangle$	$\langle 14, 15, 27, 26 \rangle$
	$\langle 3, 4, 18, 6 \rangle$	$\langle 4, 8, 28, 18 \rangle$	$\langle 1, 13, 24, 14 \rangle$	$\langle 3, 14, 32, 28 \rangle$	$\langle 8, 12, 34, 29 \rangle$	$\langle 14, 16, 31, 13 \rangle$
	$\langle 3, 9, 20, 1 \rangle$	$\langle 4, 9, 26, 32 \rangle$	$\langle 1, 16, 18, 21 \rangle$	$\langle 3, 15, 16, 34 \rangle$	$\langle 8, 14, 18, 20 \rangle$	$\langle 14, 17, 34, 24 \rangle$
	$\langle 4, 7, 13, 0 \rangle$	$\langle 5, 10, 27, 9 \rangle$	$\langle 1, 21, 23, 22 \rangle$	$\langle 3, 21, 29, 27 \rangle$	$\langle 8, 15, 25, 24 \rangle$	$\langle 14, 20, 22, 31 \rangle$
	$\langle 8, 9, 11, 5 \rangle$	$\langle 5, 21, 24, 4 \rangle$	$\langle 1, 22, 32, 24 \rangle$	$\langle 3, 22, 31, 10 \rangle$	$\langle 8, 20, 27, 17 \rangle$	$\langle 14, 26, 28, 34 \rangle$
	$\langle 0, 1, 34, 13 \rangle$	$\langle 5, 7, 25, 31 \rangle$	$\langle 10, 11, 34, 0 \rangle$	$\langle 3, 23, 26, 30 \rangle$	$\langle 8, 21, 31, 25 \rangle$	$\langle 15, 24, 32, 16 \rangle$
	$\langle 0, 15, 22, 3 \rangle$	$\langle 5, 8, 32, 22 \rangle$	$\langle 10, 12, 31, 8 \rangle$	$\langle 3, 24, 28, 33 \rangle$	$\langle 9, 10, 23, 31 \rangle$	$\langle 15, 26, 30, 10 \rangle$
	$\langle 0, 2, 26, 23 \rangle$	$\langle 5, 9, 29, 12 \rangle$	$\langle 10, 16, 25, 7 \rangle$	$\langle 4, 11, 14, 22 \rangle$	$\langle 9, 12, 22, 16 \rangle$	$\langle 16, 20, 21, 23 \rangle$
	$\langle 0, 24, 33, 5 \rangle$	$\langle 6, 11, 32, 3 \rangle$	$\langle 10, 17, 21, 3 \rangle$	$\langle 4, 15, 20, 25 \rangle$	$\langle 9, 13, 19, 27 \rangle$	$\langle 17, 18, 22, 27 \rangle$
	$\langle 0, 4, 10, 30 \rangle$	$\langle 6, 13, 22, 5 \rangle$	$\langle 11, 12, 15, 1 \rangle$	$\langle 4, 16, 22, 15 \rangle$	$\langle 9, 15, 17, 19 \rangle$	$\langle 17, 20, 29, 16 \rangle$
	$\langle 0, 6, 12, 10 \rangle$	$\langle 6, 20, 30, 9 \rangle$	$\langle 11, 16, 28, 4 \rangle$	$\langle 4, 17, 33, 26 \rangle$	$\langle 9, 25, 28, 22 \rangle$	$\langle 17, 26, 32, 31 \rangle$
	$\langle 0, 9, 30, 33 \rangle$	$\langle 6, 24, 31, 7 \rangle$	$\langle 11, 18, 30, 2 \rangle$	$\langle 4, 23, 32, 11 \rangle$	$\langle 10, 13, 14, 17 \rangle$	$\langle 17, 27, 28, 13 \rangle$
	$\langle 1, 11, 17, 6 \rangle$	$\langle 6, 7, 15, 28 \rangle$	$\langle 11, 23, 24, 9 \rangle$	$\langle 4, 24, 27, 28 \rangle$	$\langle 10, 15, 19, 23 \rangle$	$\langle 18, 23, 31, 29 \rangle$
	$\langle 1, 15, 31, 4 \rangle$	$\langle 6, 8, 17, 33 \rangle$	$\langle 14, 19, 24, 2 \rangle$	$\langle 5, 11, 33, 16 \rangle$	$\langle 10, 18, 33, 25 \rangle$	$\langle 18, 28, 29, 19 \rangle$
	$\langle 1, 2, 30, 25 \rangle$	$\langle 6, 9, 14, 21 \rangle$	$\langle 14, 23, 29, 8 \rangle$	$\langle 5, 12, 28, 11 \rangle$	$\langle 10, 24, 26, 20 \rangle$	$\langle 19, 21, 27, 10 \rangle$
	$\langle 1, 25, 33, 9 \rangle$	$\langle 7, 12, 29, 6 \rangle$	$\langle 14, 30, 33, 4 \rangle$	$\langle 5, 15, 23, 32 \rangle$	$\langle 10, 28, 30, 32 \rangle$	$\langle 19, 22, 28, 30 \rangle$
	$\langle 1, 26, 27, 3 \rangle$	$\langle 7, 14, 21, 5 \rangle$	$\langle 15, 21, 33, 8 \rangle$	$\langle 5, 16, 34, 26 \rangle$	$\langle 10, 29, 32, 18 \rangle$	$\langle 19, 31, 33, 22 \rangle$
	$\langle 1, 4, 29, 10 \rangle$	$\langle 7, 18, 26, 8 \rangle$	$\langle 15, 28, 34, 2 \rangle$	$\langle 5, 17, 19, 29 \rangle$	$\langle 11, 13, 21, 19 \rangle$	$\langle 20, 24, 34, 18 \rangle$
	$\langle 1, 8, 19, 32 \rangle$	$\langle 8, 13, 26, 4 \rangle$	$\langle 16, 27, 32, 1 \rangle$	$\langle 5, 18, 20, 15 \rangle$	$\langle 11, 19, 29, 15 \rangle$	$\langle 20, 26, 33, 28 \rangle$
	$\langle 2, 19, 20, 3 \rangle$	$\langle 8, 16, 23, 0 \rangle$	$\langle 17, 25, 31, 2 \rangle$	$\langle 5, 22, 26, 21 \rangle$	$\langle 11, 20, 25, 33 \rangle$	$\langle 21, 28, 32, 12 \rangle$
	$\langle 2, 4, 31, 12 \rangle$	$\langle 8, 29, 30, 1 \rangle$	$\langle 18, 25, 27, 0 \rangle$	$\langle 5, 30, 31, 28 \rangle$	$\langle 11, 26, 31, 18 \rangle$	$\langle 22, 24, 29, 23 \rangle$
	$\langle 2, 5, 14, 10 \rangle$	$\langle 9, 16, 33, 6 \rangle$	$\langle 19, 26, 34, 9 \rangle$	$\langle 6, 16, 26, 14 \rangle$	$\langle 12, 13, 33, 15 \rangle$	$\langle 24, 25, 30, 27 \rangle$
	$\langle 2, 6, 29, 24 \rangle$	$\langle 9, 18, 24, 3 \rangle$	$\langle 2, 11, 22, 13 \rangle$	$\langle 6, 18, 19, 26 \rangle$	$\langle 12, 16, 19, 17 \rangle$	$\langle 25, 26, 29, 13 \rangle$
	$\langle 2, 7, 10, 26 \rangle$	$\langle 9, 27, 34, 4 \rangle$	$\langle 2, 12, 27, 18 \rangle$	$\langle 6, 21, 25, 30 \rangle$	$\langle 12, 17, 24, 25 \rangle$	$\langle 27, 29, 31, 34 \rangle$
	$\langle 2, 8, 24, 11 \rangle$	$\langle 9, 31, 32, 0 \rangle$	$\langle 2, 13, 28, 31 \rangle$	$\langle 6, 23, 34, 25 \rangle$	$\langle 12, 18, 32, 34 \rangle$	$\langle 30, 32, 34, 17 \rangle$
	$\langle 2, 9, 21, 28 \rangle$	$\langle 0, 11, 27, 31 \rangle$	$\langle 2, 15, 18, 22 \rangle$	$\langle 6, 27, 33, 32 \rangle$	$\langle 12, 20, 23, 26 \rangle$	

Table 4: Base Codewords of Optimal $(6t + 5, 5, [3, 1])_3$ -codes for $t \in \{6, 8, 10, 12, 14, 16\}$

t	Base Codewords					
6	$\langle 3, 9, 14, 8 \rangle$	$\langle 15, 17, 27, 4 \rangle$	$\langle 0, 24, \infty_8, 4 \rangle$	$\langle 0, 26, \infty_0, 27 \rangle$	$\langle 6, 21, \infty_3, 29 \rangle$	$\langle 6, 29, \infty_{10}, 4 \rangle$
	$\langle 0, 2, 14, 20 \rangle$	$\langle 5, 15, 26, 29 \rangle$	$\langle 8, 26, \infty_4, 4 \rangle$	$\langle 6, 18, \infty_1, 14 \rangle$	$\langle 6, 22, \infty_5, 20 \rangle$	$\langle 7, 24, \infty_6, 10 \rangle$
	$\langle 6, 14, 28, 1 \rangle$	$\langle 15, 16, 22, 13 \rangle$	$\langle 0, 19, \infty_2, 15 \rangle$	$\langle 6, 19, \infty_9, 28 \rangle$	$\langle 6, 26, \infty_7, 16 \rangle$	
8	$\langle 0, 4, 9, 2 \rangle$	$\langle 1, 26, 29, 22 \rangle$	$\langle 21, 22, 31, 1 \rangle$	$\langle 0, 35, \infty_0, 4 \rangle$	$\langle 0, 36, \infty_6, 20 \rangle$	$\langle 0, 41, \infty_4, 28 \rangle$
	$\langle 0, 7, 15, 3 \rangle$	$\langle 1, 28, 32, 13 \rangle$	$\langle 21, 23, 29, 15 \rangle$	$\langle 0, 22, \infty_7, 41 \rangle$	$\langle 0, 37, \infty_1, 34 \rangle$	$\langle 1, 40, \infty_3, 16 \rangle$
	$\langle 0, 2, 20, 10 \rangle$	$\langle 1, 30, 35, 17 \rangle$	$\langle 0, 23, \infty_8, 1 \rangle$	$\langle 0, 24, \infty_9, 13 \rangle$	$\langle 0, 38, \infty_2, 27 \rangle$	$\langle 0, 26, \infty_{10}, 30 \rangle$
	$\langle 0, 11, 32, 22 \rangle$	$\langle 1, 34, 41, 40 \rangle$	$\langle 0, 30, \infty_5, 5 \rangle$			
10	$\langle 5, 6, 8, 31 \rangle$	$\langle 5, 10, 14, 20 \rangle$	$\langle 14, 25, 45, 15 \rangle$	$\langle 29, 33, 39, 36 \rangle$	$\langle 12, 33, \infty_3, 50 \rangle$	$\langle 12, 47, \infty_2, 23 \rangle$
	$\langle 0, 32, 50, 31 \rangle$	$\langle 5, 11, 25, 14 \rangle$	$\langle 15, 28, 52, 10 \rangle$	$\langle 11, 49, \infty_4, 2 \rangle$	$\langle 12, 38, \infty_6, 25 \rangle$	$\langle 12, 48, \infty_5, 16 \rangle$
	$\langle 15, 34, 42, 9 \rangle$	$\langle 13, 27, 38, 42 \rangle$	$\langle 27, 47, 52, 26 \rangle$	$\langle 12, 40, \infty_0, 4 \rangle$	$\langle 12, 42, \infty_7, 51 \rangle$	$\langle 13, 37, \infty_8, 53 \rangle$
	$\langle 2, 14, 31, 44 \rangle$	$\langle 14, 22, 29, 21 \rangle$	$\langle 29, 30, 42, 52 \rangle$	$\langle 12, 30, \infty_9, 32 \rangle$	$\langle 12, 45, \infty_1, 46 \rangle$	$\langle 11, 27, \infty_{10}, 25 \rangle$
	$\langle 4, 14, 53, 16 \rangle$					

12	$\langle 0, 1, 3, 57 \rangle$	$\langle 1, 23, 56, 6 \rangle$	$\langle 1, 46, 52, 22 \rangle$	$\langle 33, 34, 47, 32 \rangle$	$\langle 0, 46, \infty_8, 44 \rangle$	$\langle 0, 65, \infty_9, 13 \rangle$
	$\langle 0, 4, 9, 47 \rangle$	$\langle 2, 45, 50, 5 \rangle$	$\langle 1, 48, 58, 54 \rangle$	$\langle 33, 40, 58, 34 \rangle$	$\langle 0, 52, \infty_5, 19 \rangle$	$\langle 1, 63, \infty_1, 33 \rangle$
	$\langle 0, 6, 13, 7 \rangle$	$\langle 0, 15, 25, 60 \rangle$	$\langle 1, 50, 59, 18 \rangle$	$\langle 33, 45, 49, 44 \rangle$	$\langle 0, 59, \infty_6, 33 \rangle$	$\langle 1, 64, \infty_2, 43 \rangle$
	$\langle 0, 17, 54, 8 \rangle$	$\langle 1, 22, 57, 15 \rangle$	$\langle 2, 43, 46, 61 \rangle$	$\langle 1, 40, \infty_4, 3 \rangle$	$\langle 0, 60, \infty_0, 64 \rangle$	$\langle 0, 40, \infty_{10}, 50 \rangle$
	$\langle 0, 19, 53, 4 \rangle$	$\langle 1, 37, 39, 16 \rangle$	$\langle 2, 52, 63, 24 \rangle$	$\langle 0, 42, \infty_7, 58 \rangle$	$\langle 0, 64, \infty_3, 61 \rangle$	
14	$\langle 1, 2, 5, 55 \rangle$	$\langle 11, 39, 69, 6 \rangle$	$\langle 9, 60, 66, 76 \rangle$	$\langle 11, 58, 61, 63 \rangle$	$\langle 5, 77, \infty_2, 6 \rangle$	$\langle 4, 74, \infty_0, 73 \rangle$
	$\langle 1, 13, 29, 5 \rangle$	$\langle 39, 58, 74, 0 \rangle$	$\langle 9, 64, 75, 57 \rangle$	$\langle 11, 60, 65, 44 \rangle$	$\langle 4, 39, \infty_8, 17 \rangle$	$\langle 4, 75, \infty_1, 65 \rangle$
	$\langle 1, 8, 34, 15 \rangle$	$\langle 4, 19, 45, 25 \rangle$	$\langle 9, 65, 77, 34 \rangle$	$\langle 39, 41, 56, 12 \rangle$	$\langle 4, 40, \infty_4, 68 \rangle$	$\langle 5, 39, \infty_3, 51 \rangle$
	$\langle 8, 10, 52, 4 \rangle$	$\langle 4, 21, 44, 61 \rangle$	$\langle 10, 63, 70, 39 \rangle$	$\langle 40, 48, 61, 10 \rangle$	$\langle 4, 52, \infty_5, 66 \rangle$	$\langle 5, 42, \infty_9, 14 \rangle$
	$\langle 1, 10, 15, 75 \rangle$	$\langle 5, 24, 48, 27 \rangle$	$\langle 11, 41, 70, 67 \rangle$	$\langle 4, 56, \infty_6, 3 \rangle$	$\langle 4, 65, \infty_7, 63 \rangle$	$\langle 4, 42, \infty_{10}, 16 \rangle$
	$\langle 1, 11, 32, 30 \rangle$	$\langle 5, 44, 69, 33 \rangle$	$\langle 11, 56, 57, 48 \rangle$			
16	$\langle 0, 2, 3, 47 \rangle$	$\langle 0, 32, 39, 34 \rangle$	$\langle 2, 10, 71, 74 \rangle$	$\langle 2, 70, 85, 81 \rangle$	$\langle 45, 64, 68, 22 \rangle$	$\langle 1, 83, \infty_1, 50 \rangle$
	$\langle 0, 5, 9, 83 \rangle$	$\langle 1, 21, 50, 32 \rangle$	$\langle 2, 55, 58, 83 \rangle$	$\langle 2, 80, 89, 73 \rangle$	$\langle 1, 81, \infty_0, 0 \rangle$	$\langle 1, 85, \infty_2, 71 \rangle$
	$\langle 2, 69, 79, 8 \rangle$	$\langle 1, 22, 48, 87 \rangle$	$\langle 2, 57, 62, 89 \rangle$	$\langle 3, 60, 66, 55 \rangle$	$\langle 1, 45, \infty_6, 18 \rangle$	$\langle 1, 86, \infty_3, 33 \rangle$
	$\langle 3, 73, 84, 6 \rangle$	$\langle 1, 27, 73, 28 \rangle$	$\langle 2, 61, 68, 75 \rangle$	$\langle 3, 67, 79, 23 \rangle$	$\langle 1, 49, \infty_7, 24 \rangle$	$\langle 1, 87, \infty_4, 30 \rangle$
	$\langle 0, 14, 29, 19 \rangle$	$\langle 1, 46, 74, 43 \rangle$	$\langle 2, 64, 77, 69 \rangle$	$\langle 45, 47, 65, 6 \rangle$	$\langle 1, 51, \infty_8, 49 \rangle$	$\langle 1, 89, \infty_5, 14 \rangle$
	$\langle 0, 17, 35, 26 \rangle$	$\langle 1, 52, 53, 70 \rangle$	$\langle 2, 67, 81, 58 \rangle$	$\langle 45, 61, 69, 7 \rangle$	$\langle 1, 55, \infty_9, 42 \rangle$	$\langle 1, 59, \infty_{10}, 44 \rangle$
	$\langle 0, 22, 34, 85 \rangle$					

Table 5: Base Codewords of Optimal $(6t + 5, 5, [3, 1])_3$ -codes for $t \in \{7, 9, 11, 13, 15\}$

t	Base Codewords					
7	$\langle 3, 4, 6, 1 \rangle$	$\langle 3, 19, 31, 7 \rangle$	$\langle 0, 26, \infty_8, 6 \rangle$	$\langle 0, 20, \infty_5, 21 \rangle$	$\langle 0, 23, \infty_7, 12 \rangle$	$\langle 7, 34, \infty_3, 15 \rangle$
	$\langle 0, 4, 12, 5 \rangle$	$\langle 0, 25, 29, 18 \rangle$	$\langle 0, 9, \infty_0, 19 \rangle$	$\langle 0, 21, \infty_6, 17 \rangle$	$\langle 18, 27, \infty_0, 1 \rangle$	$\langle 10, 25, \infty_1, 24 \rangle$
	$\langle 0, 5, 18, 30 \rangle$	$\langle 19, 20, 27, 6 \rangle$	$\langle 7, 21, \infty_4, 3 \rangle$	$\langle 0, 22, \infty_9, 20 \rangle$	$\langle 7, 24, \infty_2, 29 \rangle$	$\langle 12, 18, \infty_{10}, 20 \rangle$
	$\langle 0, 7, 19, 23 \rangle$	$\langle 18, 20, 23, 26 \rangle$				
9	$\langle 0, 1, 3, 41 \rangle$	$\langle 4, 10, 45, 2 \rangle$	$\langle 22, 24, 25, 28 \rangle$	$\langle 0, 33, \infty_5, 9 \rangle$	$\langle 0, 43, \infty_1, 33 \rangle$	$\langle 11, 32, \infty_9, 12 \rangle$
	$\langle 0, 8, 24, 14 \rangle$	$\langle 5, 14, 36, 8 \rangle$	$\langle 24, 37, 44, 30 \rangle$	$\langle 0, 37, \infty_7, 5 \rangle$	$\langle 24, 36, \infty_0, 1 \rangle$	$\langle 11, 41, \infty_4, 15 \rangle$
	$\langle 2, 6, 19, 30 \rangle$	$\langle 0, 10, 25, 46 \rangle$	$\langle 25, 27, 33, 12 \rangle$	$\langle 0, 38, \infty_6, 8 \rangle$	$\langle 0, 36, \infty_{10}, 11 \rangle$	$\langle 11, 45, \infty_3, 43 \rangle$
	$\langle 3, 8, 26, 10 \rangle$	$\langle 0, 29, 32, 20 \rangle$	$\langle 31, 41, 46, 42 \rangle$	$\langle 0, 12, \infty_0, 25 \rangle$	$\langle 10, 38, \infty_8, 20 \rangle$	$\langle 12, 32, \infty_2, 39 \rangle$
11	$\langle 0, 4, 9, 8 \rangle$	$\langle 24, 56, 57, 7 \rangle$	$\langle 11, 32, 52, 49 \rangle$	$\langle 31, 40, 54, 15 \rangle$	$\langle 30, 45, \infty_0, 1 \rangle$	$\langle 5, 59, \infty_1, 21 \rangle$
	$\langle 2, 8, 15, 5 \rangle$	$\langle 4, 18, 35, 30 \rangle$	$\langle 13, 24, 39, 58 \rangle$	$\langle 0, 35, \infty_2, 1 \rangle$	$\langle 4, 57, \infty_7, 26 \rangle$	$\langle 13, 53, \infty_3, 37 \rangle$
	$\langle 6, 8, 9, 36 \rangle$	$\langle 5, 30, 57, 12 \rangle$	$\langle 16, 34, 53, 35 \rangle$	$\langle 0, 15, \infty_0, 31 \rangle$	$\langle 5, 33, \infty_5, 11 \rangle$	$\langle 16, 54, \infty_4, 52 \rangle$
	$\langle 0, 39, 44, 12 \rangle$	$\langle 6, 49, 55, 58 \rangle$	$\langle 18, 52, 54, 28 \rangle$	$\langle 14, 41, \infty_9, 5 \rangle$	$\langle 5, 35, \infty_6, 40 \rangle$	$\langle 14, 30, \infty_{10}, 37 \rangle$
	$\langle 12, 41, 54, 1 \rangle$	$\langle 7, 17, 25, 54 \rangle$	$\langle 30, 34, 42, 36 \rangle$	$\langle 3, 53, \infty_8, 46 \rangle$		
13	$\langle 3, 4, 6, 50 \rangle$	$\langle 1, 13, 27, 70 \rangle$	$\langle 4, 38, 57, 69 \rangle$	$\langle 20, 42, 58, 43 \rangle$	$\langle 2, 68, \infty_4, 21 \rangle$	$\langle 7, 67, \infty_1, 28 \rangle$
	$\langle 0, 39, 43, 2 \rangle$	$\langle 1, 16, 37, 51 \rangle$	$\langle 7, 58, 68, 71 \rangle$	$\langle 20, 49, 52, 45 \rangle$	$\langle 3, 70, \infty_5, 25 \rangle$	$\langle 17, 69, \infty_3, 20 \rangle$
	$\langle 1, 6, 10, 15 \rangle$	$\langle 1, 18, 26, 14 \rangle$	$\langle 12, 60, 67, 50 \rangle$	$\langle 37, 49, 62, 33 \rangle$	$\langle 36, 54, \infty_0, 1 \rangle$	$\langle 18, 53, \infty_9, 59 \rangle$
	$\langle 0, 13, 20, 40 \rangle$	$\langle 13, 55, 60, 4 \rangle$	$\langle 12, 62, 71, 43 \rangle$	$\langle 5, 59, \infty_8, 4 \rangle$	$\langle 6, 43, \infty_6, 21 \rangle$	$\langle 23, 68, \infty_7, 24 \rangle$
	$\langle 0, 30, 56, 25 \rangle$	$\langle 15, 43, 64, 7 \rangle$	$\langle 14, 58, 60, 62 \rangle$	$\langle 0, 18, \infty_0, 37 \rangle$	$\langle 6, 69, \infty_2, 10 \rangle$	$\langle 9, 42, \infty_{10}, 51 \rangle$
	$\langle 0, 40, 41, 16 \rangle$	$\langle 39, 61, 69, 7 \rangle$				
15	$\langle 0, 5, 11, 1 \rangle$	$\langle 0, 60, 73, 78 \rangle$	$\langle 4, 32, 74, 27 \rangle$	$\langle 25, 44, 80, 70 \rangle$	$\langle 0, 21, \infty_0, 43 \rangle$	$\langle 42, 63, \infty_0, 1 \rangle$
	$\langle 2, 3, 5, 61 \rangle$	$\langle 1, 10, 14, 61 \rangle$	$\langle 7, 27, 52, 16 \rangle$	$\langle 25, 48, 58, 78 \rangle$	$\langle 15, 49, \infty_1, 6 \rangle$	$\langle 6, 46, \infty_5, 63 \rangle$
	$\langle 0, 53, 58, 8 \rangle$	$\langle 10, 56, 58, 4 \rangle$	$\langle 7, 58, 61, 55 \rangle$	$\langle 30, 57, 73, 68 \rangle$	$\langle 3, 42, \infty_8, 82 \rangle$	$\langle 15, 67, \infty_9, 56 \rangle$
	$\langle 2, 46, 73, 9 \rangle$	$\langle 2, 49, 74, 73 \rangle$	$\langle 8, 23, 40, 42 \rangle$	$\langle 34, 49, 56, 18 \rangle$	$\langle 3, 44, \infty_6, 19 \rangle$	$\langle 16, 53, \infty_3, 82 \rangle$
	$\langle 0, 12, 19, 42 \rangle$	$\langle 25, 42, 51, 7 \rangle$	$\langle 8, 70, 82, 11 \rangle$	$\langle 42, 50, 61, 46 \rangle$	$\langle 3, 69, \infty_7, 21 \rangle$	$\langle 18, 54, \infty_2, 68 \rangle$
	$\langle 0, 49, 50, 62 \rangle$	$\langle 4, 22, 30, 32 \rangle$	$\langle 9, 44, 72, 79 \rangle$	$\langle 43, 61, 65, 71 \rangle$	$\langle 3, 83, \infty_4, 57 \rangle$	$\langle 19, 75, \infty_{10}, 52 \rangle$

Table 6: Base Codewords of $[2, 2]$ -GDC(5)s of Type $8^u 10^1$

u	Base Codewords					
5	$\langle 0, 18, 1, 9 \rangle$	$\langle 1, 19, 10, 23 \rangle$	$\langle \infty_1, 1, 9, 22 \rangle$	$\langle 34, 21, 0, \infty_0 \rangle$	$\langle \infty_0, 0, 29, 32 \rangle$	$\langle \infty_5, 0, 18, 27 \rangle$
	$\langle 0, 14, 8, 16 \rangle$	$\langle 13, 2, 1, \infty_3 \rangle$	$\langle \infty_8, 1, 2, 25 \rangle$	$\langle 34, 23, 1, \infty_1 \rangle$	$\langle \infty_2, 1, 13, 14 \rangle$	$\langle \infty_6, 0, 26, 37 \rangle$
	$\langle 0, 37, 4, 11 \rangle$	$\langle 22, 5, 1, \infty_6 \rangle$	$\langle 17, 16, 0, \infty_7 \rangle$	$\langle 35, 28, 1, \infty_4 \rangle$	$\langle \infty_3, 1, 17, 28 \rangle$	$\langle \infty_7, 0, 21, 28 \rangle$
	$\langle 1, 37, 0, 34 \rangle$	$\langle 24, 3, 1, \infty_5 \rangle$	$\langle 29, 26, 0, \infty_9 \rangle$	$\langle 38, 15, 1, \infty_2 \rangle$	$\langle \infty_4, 1, 18, 35 \rangle$	$\langle \infty_9, 1, 30, 33 \rangle$
	$\langle 0, 16, 12, 38 \rangle$	$\langle 39, 8, 1, \infty_8 \rangle$				
6	$\langle 0, 28, 9, 38 \rangle$	$\langle 0, 19, 22, 45 \rangle$	$\langle 6, 3, 1, \infty_5 \rangle$	$\langle \infty_5, 1, 0, 41 \rangle$	$\langle 28, 15, 0, \infty_2 \rangle$	$\langle 47, 20, 0, \infty_1 \rangle$
	$\langle 0, 3, 46, 47 \rangle$	$\langle 1, 15, 12, 20 \rangle$	$\langle 46, 9, 0, \infty_0 \rangle$	$\langle \infty_6, 1, 3, 42 \rangle$	$\langle 32, 27, 1, \infty_8 \rangle$	$\langle \infty_0, 0, 13, 16 \rangle$
	$\langle 0, 8, 15, 31 \rangle$	$\langle 1, 36, 32, 39 \rangle$	$\langle \infty_2, 0, 1, 32 \rangle$	$\langle \infty_7, 1, 8, 33 \rangle$	$\langle 35, 12, 1, \infty_9 \rangle$	$\langle \infty_1, 0, 14, 25 \rangle$
	$\langle 0, 16, 21, 35 \rangle$	$\langle 1, 41, 28, 30 \rangle$	$\langle \infty_3, 0, 4, 41 \rangle$	$\langle 21, 16, 1, \infty_7 \rangle$	$\langle 40, 33, 0, \infty_4 \rangle$	$\langle \infty_8, 0, 11, 26 \rangle$
	$\langle 0, 17, 27, 40 \rangle$	$\langle 1, 45, 14, 17 \rangle$	$\langle \infty_4, 1, 5, 10 \rangle$	$\langle 23, 14, 0, \infty_6 \rangle$	$\langle 41, 10, 1, \infty_3 \rangle$	$\langle \infty_9, 1, 22, 35 \rangle$
7	$\langle 1, 5, 6, 7 \rangle$	$\langle 0, 4, 43, 45 \rangle$	$\langle 1, 17, 37, 42 \rangle$	$\langle 41, 32, 0, \infty_8 \rangle$	$\langle 54, 39, 0, \infty_2 \rangle$	$\langle \infty_5, 0, 25, 40 \rangle$
	$\langle 0, 6, 5, 16 \rangle$	$\langle 1, 33, 0, 25 \rangle$	$\langle 1, 27, 23, 39 \rangle$	$\langle 47, 30, 0, \infty_7 \rangle$	$\langle \infty_0, 1, 48, 51 \rangle$	$\langle \infty_6, 1, 32, 55 \rangle$
	$\langle 0, 1, 12, 38 \rangle$	$\langle 0, 20, 31, 53 \rangle$	$\langle 23, 8, 0, \infty_3 \rangle$	$\langle 48, 11, 1, \infty_6 \rangle$	$\langle \infty_1, 1, 28, 41 \rangle$	$\langle \infty_7, 0, 27, 30 \rangle$
	$\langle 0, 11, 6, 50 \rangle$	$\langle 0, 31, 18, 34 \rangle$	$\langle 27, 4, 0, \infty_5 \rangle$	$\langle 48, 37, 0, \infty_4 \rangle$	$\langle \infty_2, 0, 19, 46 \rangle$	$\langle \infty_8, 1, 17, 54 \rangle$
	$\langle 0, 3, 13, 37 \rangle$	$\langle 0, 32, 20, 54 \rangle$	$\langle \infty_4, 0, 4, 51 \rangle$	$\langle 53, 40, 1, \infty_0 \rangle$	$\langle \infty_3, 1, 14, 45 \rangle$	$\langle \infty_9, 0, 15, 32 \rangle$
	$\langle 0, 39, 1, 47 \rangle$	$\langle 0, 47, 23, 36 \rangle$	$\langle 28, 27, 1, \infty_1 \rangle$	$\langle 54, 31, 1, \infty_9 \rangle$		
8	$\langle 0, 1, 13, 19 \rangle$	$\langle 1, 60, 2, 31 \rangle$	$\langle 1, 15, 22, 53 \rangle$	$\langle \infty_0, 1, 6, 27 \rangle$	$\langle 31, 22, 0, \infty_8 \rangle$	$\langle 62, 13, 0, \infty_3 \rangle$
	$\langle 0, 10, 3, 31 \rangle$	$\langle 1, 7, 32, 62 \rangle$	$\langle 1, 26, 23, 46 \rangle$	$\langle \infty_2, 0, 1, 26 \rangle$	$\langle 35, 28, 0, \infty_5 \rangle$	$\langle \infty_1, 1, 35, 54 \rangle$
	$\langle 0, 62, 9, 12 \rangle$	$\langle 0, 11, 46, 52 \rangle$	$\langle 1, 45, 24, 28 \rangle$	$\langle \infty_6, 1, 4, 11 \rangle$	$\langle 42, 25, 0, \infty_2 \rangle$	$\langle \infty_3, 0, 30, 55 \rangle$
	$\langle 1, 38, 3, 15 \rangle$	$\langle 0, 45, 43, 58 \rangle$	$\langle 1, 48, 12, 38 \rangle$	$\langle \infty_7, 0, 4, 27 \rangle$	$\langle 50, 23, 1, \infty_1 \rangle$	$\langle \infty_4, 1, 10, 29 \rangle$
	$\langle 1, 4, 37, 55 \rangle$	$\langle 0, 50, 45, 49 \rangle$	$\langle 14, 5, 0, \infty_6 \rangle$	$\langle \infty_8, 1, 7, 58 \rangle$	$\langle 54, 47, 0, \infty_0 \rangle$	$\langle \infty_5, 0, 47, 60 \rangle$
	$\langle 1, 46, 5, 16 \rangle$	$\langle 0, 63, 18, 62 \rangle$	$\langle 40, 5, 1, \infty_9 \rangle$	$\langle 26, 15, 0, \infty_7 \rangle$	$\langle 60, 19, 1, \infty_4 \rangle$	$\langle \infty_9, 0, 17, 44 \rangle$
	$\langle 1, 6, 45, 59 \rangle$	$\langle 1, 14, 21, 51 \rangle$				
9	$\langle 0, 3, 5, 51 \rangle$	$\langle 1, 67, 9, 17 \rangle$	$\langle 0, 71, 20, 68 \rangle$	$\langle 1, 71, 43, 66 \rangle$	$\langle 27, 26, 1, \infty_1 \rangle$	$\langle \infty_1, 1, 30, 61 \rangle$
	$\langle 0, 22, 7, 66 \rangle$	$\langle 0, 10, 24, 32 \rangle$	$\langle 1, 31, 65, 69 \rangle$	$\langle 69, 2, 0, \infty_6 \rangle$	$\langle 30, 23, 0, \infty_7 \rangle$	$\langle \infty_2, 1, 42, 71 \rangle$
	$\langle 0, 4, 19, 35 \rangle$	$\langle 0, 14, 17, 39 \rangle$	$\langle 1, 47, 18, 33 \rangle$	$\langle \infty_0, 0, 8, 13 \rangle$	$\langle 49, 16, 0, \infty_0 \rangle$	$\langle \infty_3, 1, 27, 58 \rangle$
	$\langle 0, 48, 2, 37 \rangle$	$\langle 0, 32, 43, 55 \rangle$	$\langle 1, 61, 26, 36 \rangle$	$\langle \infty_7, 0, 4, 21 \rangle$	$\langle 61, 44, 0, \infty_2 \rangle$	$\langle \infty_4, 1, 13, 32 \rangle$
	$\langle 1, 32, 6, 29 \rangle$	$\langle 0, 47, 53, 60 \rangle$	$\langle 1, 62, 31, 52 \rangle$	$\langle \infty_8, 0, 1, 12 \rangle$	$\langle 62, 33, 0, \infty_9 \rangle$	$\langle \infty_5, 0, 34, 67 \rangle$
	$\langle 1, 36, 2, 16 \rangle$	$\langle 0, 55, 33, 65 \rangle$	$\langle 1, 63, 57, 62 \rangle$	$\langle 24, 11, 1, \infty_5 \rangle$	$\langle 65, 14, 0, \infty_3 \rangle$	$\langle \infty_6, 0, 64, 71 \rangle$
	$\langle 1, 57, 5, 25 \rangle$	$\langle 0, 69, 16, 50 \rangle$	$\langle 1, 66, 34, 53 \rangle$	$\langle 24, 13, 0, \infty_4 \rangle$	$\langle 66, 17, 0, \infty_8 \rangle$	$\langle \infty_9, 0, 29, 30 \rangle$

Table 7: Base Codewords of $[2, 2]$ -GDC(5)s of Type $8^v 14^1$

v	Base Codewords					
5	$\langle 0, 4, 6, 33 \rangle$	$\langle 12, 3, 0, \infty_2 \rangle$	$\langle \infty_5, 1, 4, 17 \rangle$	$\langle 29, 22, 1, \infty_6 \rangle$	$\langle \infty_1, 1, 10, 29 \rangle$	$\langle 32, 29, 0, \infty_{12} \rangle$
	$\langle 0, 39, 18, 26 \rangle$	$\langle 23, 2, 0, \infty_8 \rangle$	$\langle \infty_8, 1, 7, 30 \rangle$	$\langle 33, 30, 1, \infty_1 \rangle$	$\langle \infty_3, 1, 25, 34 \rangle$	$\langle 37, 20, 1, \infty_{13} \rangle$
	$\langle 5, 4, 1, \infty_5 \rangle$	$\langle 26, 9, 0, \infty_4 \rangle$	$\langle \infty_9, 0, 9, 16 \rangle$	$\langle 39, 10, 1, \infty_0 \rangle$	$\langle \infty_6, 1, 23, 24 \rangle$	$\langle \infty_{10}, 1, 14, 35 \rangle$
	$\langle 8, 1, 0, \infty_9 \rangle$	$\langle \infty_0, 0, 7, 24 \rangle$	$\langle 23, 14, 1, \infty_7 \rangle$	$\langle 39, 28, 0, \infty_3 \rangle$	$\langle \infty_7, 0, 36, 39 \rangle$	$\langle \infty_{11}, 1, 22, 33 \rangle$
	$\langle \infty_2, 0, 1, 4 \rangle$	$\langle \infty_4, 1, 8, 15 \rangle$	$\langle 24, 3, 1, \infty_{10} \rangle$	$\langle \infty_{13}, 0, 3, 34 \rangle$	$\langle 28, 15, 1, \infty_{11} \rangle$	$\langle \infty_{12}, 0, 22, 23 \rangle$
6	$\langle 0, 40, 2, 47 \rangle$	$\langle 9, 6, 1, \infty_5 \rangle$	$\langle \infty_8, 0, 4, 33 \rangle$	$\langle 41, 16, 0, \infty_7 \rangle$	$\langle \infty_4, 0, 26, 45 \rangle$	$\langle 29, 18, 1, \infty_{10} \rangle$
	$\langle 1, 15, 4, 26 \rangle$	$\langle 27, 8, 0, \infty_1 \rangle$	$\langle 32, 21, 1, \infty_3 \rangle$	$\langle 43, 10, 0, \infty_6 \rangle$	$\langle \infty_6, 0, 20, 27 \rangle$	$\langle 35, 20, 1, \infty_{12} \rangle$
	$\langle 1, 21, 2, 16 \rangle$	$\langle 46, 5, 1, \infty_0 \rangle$	$\langle 33, 10, 1, \infty_2 \rangle$	$\langle 47, 38, 1, \infty_4 \rangle$	$\langle \infty_7, 1, 23, 34 \rangle$	$\langle \infty_{10}, 1, 24, 47 \rangle$
	$\langle 0, 22, 37, 41 \rangle$	$\langle \infty_0, 1, 0, 33 \rangle$	$\langle 34, 17, 0, \infty_8 \rangle$	$\langle \infty_{12}, 1, 5, 42 \rangle$	$\langle \infty_9, 0, 35, 44 \rangle$	$\langle \infty_{11}, 1, 36, 39 \rangle$
	$\langle 1, 27, 18, 46 \rangle$	$\langle \infty_2, 0, 9, 16 \rangle$	$\langle 40, 35, 0, \infty_9 \rangle$	$\langle \infty_1, 1, 27, 28 \rangle$	$\langle 24, 15, 1, \infty_{11} \rangle$	$\langle \infty_{13}, 0, 21, 34 \rangle$
	$\langle 1, 36, 10, 11 \rangle$	$\langle \infty_5, 0, 5, 28 \rangle$	$\langle 41, 0, 1, \infty_{13} \rangle$	$\langle \infty_3, 0, 13, 46 \rangle$		

7	$\langle 0, 24, 4, 6 \rangle$	$\langle 1, 24, 21, 26 \rangle$	$\langle \infty_7, 0, 1, 52 \rangle$	$\langle 49, 48, 1, \infty_2 \rangle$	$\langle \infty_3, 0, 41, 44 \rangle$	$\langle 51, 48, 0, \infty_{12} \rangle$
	$\langle 0, 18, 10, 29 \rangle$	$\langle 1, 31, 41, 47 \rangle$	$\langle 10, 5, 1, \infty_{11} \rangle$	$\langle 52, 23, 1, \infty_0 \rangle$	$\langle \infty_4, 0, 22, 31 \rangle$	$\langle 54, 39, 1, \infty_{13} \rangle$
	$\langle 0, 20, 33, 43 \rangle$	$\langle 1, 53, 30, 40 \rangle$	$\langle 19, 10, 0, \infty_6 \rangle$	$\langle 53, 22, 0, \infty_9 \rangle$	$\langle \infty_5, 1, 24, 55 \rangle$	$\langle \infty_{10}, 0, 39, 54 \rangle$
	$\langle 0, 45, 15, 51 \rangle$	$\langle 12, 9, 1, \infty_7 \rangle$	$\langle 25, 20, 1, \infty_5 \rangle$	$\langle 53, 38, 1, \infty_1 \rangle$	$\langle \infty_8, 1, 23, 54 \rangle$	$\langle \infty_{11}, 1, 10, 37 \rangle$
	$\langle 0, 54, 24, 30 \rangle$	$\langle 36, 5, 0, \infty_4 \rangle$	$\langle 32, 19, 1, \infty_3 \rangle$	$\langle \infty_0, 1, 14, 25 \rangle$	$\langle \infty_9, 1, 48, 51 \rangle$	$\langle \infty_{12}, 1, 13, 46 \rangle$
	$\langle 0, 55, 16, 40 \rangle$	$\langle \infty_2, 1, 2, 31 \rangle$	$\langle 40, 13, 1, \infty_8 \rangle$	$\langle \infty_1, 0, 18, 55 \rangle$	$\langle 44, 25, 0, \infty_{10} \rangle$	$\langle \infty_{13}, 0, 27, 50 \rangle$
	$\langle 1, 17, 16, 28 \rangle$	$\langle \infty_6, 1, 3, 20 \rangle$				
8	$\langle 0, 27, 2, 7 \rangle$	$\langle 0, 53, 20, 39 \rangle$	$\langle 40, 5, 1, \infty_2 \rangle$	$\langle 55, 22, 0, \infty_7 \rangle$	$\langle \infty_2, 1, 42, 43 \rangle$	$\langle 18, 13, 1, \infty_{11} \rangle$
	$\langle 1, 53, 3, 8 \rangle$	$\langle 0, 58, 37, 49 \rangle$	$\langle 42, 3, 0, \infty_4 \rangle$	$\langle 56, 39, 1, \infty_6 \rangle$	$\langle \infty_3, 0, 18, 35 \rangle$	$\langle 34, 27, 0, \infty_{10} \rangle$
	$\langle 0, 1, 19, 36 \rangle$	$\langle 1, 24, 29, 55 \rangle$	$\langle 45, 0, 1, \infty_8 \rangle$	$\langle 61, 52, 1, \infty_0 \rangle$	$\langle \infty_4, 0, 28, 59 \rangle$	$\langle 37, 30, 0, \infty_{13} \rangle$
	$\langle 0, 22, 4, 11 \rangle$	$\langle 1, 26, 12, 23 \rangle$	$\langle \infty_6, 1, 7, 48 \rangle$	$\langle 61, 58, 0, \infty_1 \rangle$	$\langle \infty_5, 1, 22, 35 \rangle$	$\langle 54, 51, 0, \infty_{12} \rangle$
	$\langle 0, 15, 14, 60 \rangle$	$\langle 1, 39, 44, 54 \rangle$	$\langle 31, 10, 0, \infty_5 \rangle$	$\langle \infty_0, 1, 39, 60 \rangle$	$\langle \infty_7, 1, 31, 56 \rangle$	$\langle \infty_{10}, 0, 26, 63 \rangle$
	$\langle 0, 30, 23, 51 \rangle$	$\langle 1, 59, 24, 52 \rangle$	$\langle 38, 29, 1, \infty_3 \rangle$	$\langle \infty_{13}, 1, 2, 47 \rangle$	$\langle \infty_8, 0, 41, 44 \rangle$	$\langle \infty_{11}, 0, 45, 58 \rangle$
	$\langle 0, 35, 29, 52 \rangle$	$\langle 1, 60, 13, 63 \rangle$	$\langle 39, 26, 0, \infty_9 \rangle$	$\langle \infty_1, 0, 12, 15 \rangle$	$\langle \infty_9, 0, 33, 62 \rangle$	$\langle \infty_{12}, 1, 11, 50 \rangle$
9	$\langle 1, 5, 9, 49 \rangle$	$\langle 0, 34, 39, 47 \rangle$	$\langle 1, 61, 32, 71 \rangle$	$\langle \infty_4, 0, 1, 38 \rangle$	$\langle 71, 40, 0, \infty_0 \rangle$	$\langle \infty_9, 0, 46, 61 \rangle$
	$\langle 0, 42, 4, 52 \rangle$	$\langle 0, 35, 15, 59 \rangle$	$\langle 1, 68, 12, 56 \rangle$	$\langle \infty_7, 0, 7, 66 \rangle$	$\langle \infty_0, 0, 24, 67 \rangle$	$\langle 48, 27, 1, \infty_{13} \rangle$
	$\langle 0, 48, 6, 40 \rangle$	$\langle 0, 70, 19, 33 \rangle$	$\langle 2, 1, 0, \infty_{10} \rangle$	$\langle 11, 10, 0, \infty_6 \rangle$	$\langle \infty_2, 1, 41, 42 \rangle$	$\langle 50, 43, 1, \infty_{11} \rangle$
	$\langle 0, 8, 22, 28 \rangle$	$\langle 1, 24, 27, 68 \rangle$	$\langle 23, 8, 1, \infty_8 \rangle$	$\langle 13, 2, 1, \infty_{12} \rangle$	$\langle \infty_3, 1, 39, 58 \rangle$	$\langle \infty_{10}, 1, 22, 29 \rangle$
	$\langle 1, 33, 3, 20 \rangle$	$\langle 1, 50, 33, 67 \rangle$	$\langle 25, 4, 0, \infty_5 \rangle$	$\langle 46, 21, 0, \infty_2 \rangle$	$\langle \infty_5, 1, 16, 63 \rangle$	$\langle \infty_{11}, 0, 50, 51 \rangle$
	$\langle 0, 14, 11, 57 \rangle$	$\langle 1, 51, 54, 57 \rangle$	$\langle 42, 9, 1, \infty_7 \rangle$	$\langle 55, 14, 0, \infty_1 \rangle$	$\langle \infty_6, 1, 59, 66 \rangle$	$\langle \infty_{12}, 1, 17, 38 \rangle$
	$\langle 0, 19, 41, 53 \rangle$	$\langle 1, 56, 26, 40 \rangle$	$\langle 44, 5, 1, \infty_3 \rangle$	$\langle 67, 60, 0, \infty_9 \rangle$	$\langle \infty_8, 1, 15, 70 \rangle$	$\langle \infty_{13}, 1, 21, 36 \rangle$
	$\langle 0, 25, 37, 48 \rangle$	$\langle 1, 57, 14, 34 \rangle$	$\langle \infty_1, 0, 8, 49 \rangle$	$\langle 70, 65, 0, \infty_4 \rangle$		