111111 111101 0000000 11111

+31

					1)											
carry ->						4	4	4	4	4	3	3	2	1)	
						1	1	1	1	1	1	1	1	1	1	0	1
						1	1	1	1.	1	1	1	1	1	0	1	
						1	1	1	1.	1	1	1	1	0	7		
						1	1	1	}	1	1	1	0	1			
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			,				•	0									
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mod by						-1	9				0	-	0		\(\pi\)	/	1
3		A	NS			1	1	1	1	1	0	1	0	0	0	1	1
		1				-			Market Market 1997				/				
	CK	ک	m			11	0	0	0	10	1	0	1	/1	11	0	1
	1			_		T							/				
					A					80	0	+	1	3		9	3

Multiplication example (6 bit operands):

-19 * 9 = -209, 101101 * 001011 = 111100101111 Sign-extend operands to 12 bits, long-hand multiply, add columns (in base 10), mod results by 2

	1	1	1	1	1	1	1	0	1	1	0	1
*	0	0	0	0	0	0	0	0	1	0	1	1
Carry	2	2	2	2	2	1	1	1	0	0	0	
	1	1	1	1	1	1	1	0	1	1	0	1
	1	1	1	1	1	1	0	1	1	0	1	
										0		
	1	1	1	1	0	1	1	0	1			
								0				
							0					
						0						
					0							
				0								
			0									
		0										
	0											
Dec	5	5	5	5	4	4	3	2	3	1	1	1
Binary	 1	1	1	1	0	0	1	0	1	1	1	1

Multiplication example (6 bit operands):

31 *31 = 961, 011111 * 011111 = 001111000001 Sign-extend operands to 12 bits, long-hand multiply, add columns (in base 10), mod results by 2

	0	0	0	0	0	0	0	1	1	1	1	1
*	0	0	0	0	0	0	0	1	1	1	1	1
Carry	0	0	1	2	3	4	4	3	2	1	0	
	0	0	0	0	0	0	0	1	1	1	1	1
	0	0	0	0	0	0	1	1	1	1	1	
	0	0	0	0	0	1	1	1	1	1		
	0	0	0	0	1	1	1	1	1			
	0	0	0	1	1	1	1	1				
							0					
						0						
					0							
				0								
			0									
		0										
	0											
Dec	0	0	1	3	5	7	8	8	6	4	2	1
Binary	 0	0	1	1	1	1	0	0	0	0	0	1