

Test Cases				Restoring Method				Non Restoring Method					
Divident	Divisor	Quotient	Remainder	Quotient (Hexadecimal)	Remainder (Hexadecimal)	Number of Operation	Number of Iteration	Quotient	Remainder	Quotient (Hexadecimal)	Remainder (Hexadecimal)	Number of Operation	Number of Iteration
"111100001"	"01111"	11111	10000	0x1F	0x10	4	4	11111	10000	0x1F	0x10	4	4
"001001101"	"11011"	10111	"00000"	0x17	0x00	5	4	10111	"00000"	0x17	0x00	4	4
"000010101"	"10011"	10111	"00000"	0x17	0x00	5	4	10111	"00000"	0x17	0x00	4	4
"100001101"	"01101"	10001	10000	0x11	0x10	7	4	10001	10000	0x11	0x10	4	4
"1111111000001"	"0000000"						Overflow detected						
"0010101100100"	"1010111"	1110110	"0000000"	0x76	0x00	8	6	1110110	"0000000"	0x76	0x00	7	6
"1000010111101"	"0001011"	"0011011"	1000000	0x1B	0x40	8	6	"0011011"	1000000	0x1B	0x40	6	6
"1100111100010"	"1101111"	"0101110"	"1000000"	0x2E	0x40	8	6	"0101110"	"1000000"	0x2E	0x40	7	6
"01111111000000001"	"011111111"	"011111111"	"000000000"	0x77	0x00	8	8	"011111111"	"000000000"	0x77	0x00	8	8
"1000101111010101"	"000100111"	"101101111"	"100000000"	0x1FF	0x100	10	8	"101101111"	"100000000"	0x1FF	0x100	8	8
"00010111111001000"	"001101111"	"001111000"	"000000000"	0x78	0x00	12	8	"001111000"	"000000000"	0x78	0x00	9	8
"00000101001001011"	"101010101"	"100011111"	"000000000"	0x11F	0x000	11	8	"100011111"	"000000000"	0x11F	0x000	8	8
"111111111100000000001"	"11111111111"	"01111111111"	"10000000000"	0x3FF	0x400	10	10	"01111111111"	"10000000000"	0x3FF	0x400	10	10
"1000000111000101100"	"10000111101"	"00111011100"	"10000000000"	0x1DC	0x400	14	10	"00111011100"	"10000000000"	0x1DC	0x400	11	10
"100011100011000111001"	"0101010101"	"10101010101"	"10000000000"	"0x555"	"0x400"	15	10	"10101010101"	"10000000000"	"0x555"	"0x400"	10	10
"00001010110000001000"	"00001111000"	"01010111111"	"00000000000"	0x2DE	0x000	13	10	"01010111111"	"00000000000"	0x2DE	0x000	11	10
"01111111111000000000001"	"0111111111111"	"0111111111111"	"00000000000000"	0xFF	0x000	12	12	"0111111111111"	"00000000000000"	0xFF	0x000	12	12
"100011100010111000111001"	"10101010101"	"00101010101"	"1000000000000"	0x0555	0x1000	18	12	"0010101010101"	"10000000000000"	0x0555	0x1000	12	12
"1000000011100010001100011001"	"1000011111111"	"0001111100111"	"1000000000000"	0x03E7	0x1000	16	12	"0001111100111"	"10000000000000"	0x03E7	0x1000	12	12
"1000011100001000100100000"	"0000011100000"						Overflow detected						