

Note that the division process may be done in binary as shown or using the polynomial representation (easier to follow!) - Division in ONE representation form is required ONLY.

Note that the remainder of the division is X^3+X which is the bit pattern 1010

								X^9	X^8	X^7			X^4		X^2	
X^4	X	1	X^{13}	X^{12}	X^{11}	X^{10}		X^8	X^7	X^6	X^5	X^4		X^2	X	
			X^{13}			X^{10}	X^9									
				X^{12}	X^{11}		X^9	X^8	X^7	X^6	X^5	X^4		X^2	X	
				X^{12}			X^9	X^8								
					X^{11}				X^7	X^6	X^5	X^4		X^2	X	
					X^{11}			X^8	X^7							
								X^8		X^6	X^5	X^4		X^2	X	
								X^8			X^5	X^4				
										X^6				X^2	X	
										X^6				X^3	X^2	
													X^3		X	

Division of $TR(X)$ by $G(X)$ using polynomial representation