XOR TRUTH TABLE -

M	B	MOB	
0	0	0	⇒ B⊕0=B
0	1		& B D 1 = B
1	0	1	
11	1	0	

-) When M=0, value of B is passed as it is from the XOR gate; Cin for first full adder is 0 and covery generated is passed on to next full adders & sence process is repeated whigh the laddition of the 2 4-Lit numbers.
- 2) When [M=1], value of compliment of B is passed as it is from the XOK gate; can for first full cadder is 1 then the operation at full cadder will be \$\overline{B}+1+A\$

 2's complement of B without signal.

which is equivalent to A-B unit, results in subtraction of the 2 42il numbers.