**Assignment 1**Name-Mohiuddin Mondal Roll- 001910501043 BCSE UG-II

Q: Implement BCD to Excess3 converter using Mux.

BCD Input								Excess 3 Output								+	
A 8		В			c		D		W		7	x		7		Z	
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1			0	1	0			0		1		. 0		1		1	
1			0		0		1	0		1		1		0		0	1
or a	J: To 0 1 A	I, 0	-	I 3 0 d	O	I <sub>5</sub>	I <sub>6</sub>   1   d	T-/ 1		A		)	I <sub>3</sub>	I d A	I, 0	16 0 d	17 0 d
Ā A For	1. 0 1 A	I, 0 1 A	O	0 d 0		A A	I <sub>6</sub>   I			A	0 0	I	I <sub>3</sub>	In I	1,00 d	16 0 d	0

Truth Table:

