Combinational Multiplier Multiplicand = 5 multiplier = -7 5 >> 0101 -7 3 1001 1's complement Doo 1 -> signed number 1000 21s confirment 00000101 0000000 7 3100 000000 ** 10001××× MSBK 1,50 lost partial Moduct will be 110611 Product =-35 -> Taking complement, if it's 38 have the correct answer 11011 0 1 21s complement

60100011 >> 35 So answer is correct. we have used method MSB extension for each partial product till an bots where n is the number of bits of moitiplier. we can also perform NAND on MSBS Produck instead ad we don't have to sign extend it anymore. 0 MSB won't become BBX XX 2021 trus 6 0 1