Give a number of multiplications used by your function to calculate x^63. Justify

exponentiation(x = 1, n = 63) loop 1: x = 1 n = 63 loop 2: x = 1n = 31 loop 3: x = 1n= 15 loop 4: x = 1 n = 7 loop 5: x = 1 n = 3loop 6: x = 1n = 1