

Tutorial 2 – Problem 5

Counting exercise: in a table, write all the binary numbers corresponding to the decimal numbers 0_{10} to 32_{10} .

This table is called a Look-up Table

NOTE: We must be able to generate this table on our own, as it will not be given to us in the final examination.

Decimal	Binary
0	00000000 ₂
1	00000001 ₂
2	00000010 ₂
3	00000011 ₂
4	00000100 ₂
5	00000101 ₂
6	00000110 ₂
7	00000111 ₂
8	00001000 ₂
9	00001001 ₂
10	00001010 ₂
11	00001011 ₂
12	00001100 ₂
13	00001101 ₂
14	00001110 ₂
15	00001111 ₂
16	00010000 ₂
17	00010001 ₂
18	00010010 ₂
19	00010011 ₂
20	00010100 ₂
21	00010101 ₂
22	00010110 ₂
23	00010111 ₂
24	00011000 ₂
25	00011001 ₂
26	00011010 ₂
27	00011011 ₂
28	00011100 ₂
29	00011101 ₂
30	00011110 ₂
31	00011111 ₂
32	00100000 ₂