Exercise-93

Solution:

a)

```
1 0 1 1 1 1 0
0 1 0 0 0 0 1
```

```
1 1 1 1 1 1 1      bitwise OR
0 0 0 0 0 0 0      bitwise AND
1 1 1 1 1 1 1      bitwise XOR
```

b)

```
1 1 1 1 0 0 0 0
1 0 1 0 1 0 1 0
```

```
1 1 1 1 1 0 1 0      bitwise OR
1 0 1 0 0 0 0 0      bitwise AND
0 1 0 1 1 0 1 0      bitwise XOR
```

c)

```
00  0111  0001
10  0100  1000
─────────────────
10  0111  1001      bitwise OR
00  0100  0000      bitwise AND
10  0011  1001      bitwise XOR
```

d)

```
11  1111  1111
00  0000  0000
─────────────────
11  1111  1111      bitwise OR
00  0000  0000      bitwise AND
11  1111  1111      bitwise XOR
```