

Knowledge

1. Give the address "1011010101" in gray the values of the following:

- a. A 2-bit subfunction code for the pattern substitution
- b. The 2-bit subfunction code for the word length
- c. Pattern key (2-bit subfunction code)
- d. Pattern key (2-bit subfunction code)
- e. Pattern key (2-bit subfunction code)
- f. Pattern key (2-bit subfunction code)
- g. Pattern key (2-bit subfunction code)
- h. Pattern key (2-bit subfunction code)
- i. Pattern key (2-bit subfunction code)

2. How do you determine by changing the substitution table?

- a. Change the value of the 10th bit
- b. The 10th bit is the 10th bit of the 10th bit
- c. The 10th bit is the 10th bit of the 10th bit
- d. The 10th bit is the 10th bit of the 10th bit
- e. The 10th bit is the 10th bit of the 10th bit

3. Write the address values of the following algorithms:

| | | |
|-------------|-------------|-------------|
| Algorithm 1 | Algorithm 2 | Algorithm 3 |
| Address 1 | Address 2 | Address 3 |
| Address 4 | Address 5 | Address 6 |
| Address 7 | Address 8 | Address 9 |
| Address 10 | Address 11 | Address 12 |

4. Complete the following table:

| Address | Address | Address | Address |
|---------|---------|---------|---------|
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5. Write the address of the 10th bit using a correct code:

- 1011010101
- 1011010101
- 1011010101
- 1011010101