Graphical user interface, text, application

Description automatically generatedA:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2 | 5 | B | 9 | D | 2 |
| 0010 | 0101 | 1011 | 1001 | 1101 | 0010 |

B:

|  |  |  |  |
| --- | --- | --- | --- |
| 1010 | 1110 | 0100 | 1001 |
| A | E | 4 | 9 |

C:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | 8 | B | 3 | D |
| 1010 | 1000 | 1011 | 0011 | 1101 |

D:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1100 | 1000 | 1011 | 0110 | 0101 | 10 |
| C | 8 | B | 6 | 5 | 2 |

Bemærk at, hvis der ikke er nok bits, så er det de første bits som kommer til at mangle. Aka. Start bagfra.

Timeline

Description automatically generated  
  
Text

Description automatically generated

Table

Description automatically generated

|  |  |  |
| --- | --- | --- |
| Decimal | Binary | Hexadecimal |
| 0 | 0000 0000 | 0x00 |
| 158 | 1001 1110 | 0x9E |
| 76 | 0100 1100 | 0x4C |
| 145 | 1001 0001 | 0x91 |
| 174 | 1010 1110 | 0xAE |
| 60 | 0011 1100 | 0x3C |
| 241 | 1111 0001 | 0xF1 |
| 16\*7+5 =117 | 0111 0101 | 0x75 |
| 16\*11+13=189 | 1011 1101 | 0xBD |
| 16\*15+5 =145 | 1111 0101 | 0xF5 |

Table

Description automatically generated

Text, table

Description automatically generatedA. Little endian: 78 Big endian: 12

B. Little endian: 78 56 Big endian: 12 34

Text, letter, email

Description automatically generatedC. Little endian: 78 56 34 Big endian: 12 34 56

Text, letter

Description automatically generated

|  |  |  |
| --- | --- | --- |
| Step | \*x | \*y |
| Initially | A | B |
| 1 | A | B |
| 2 | B | B |
| 3 | B | A |

Table

Description automatically generated

Text, letter

Description automatically generatedA: x & 0xFF

B: ~x ^ 0xFF (I’m pretty sure that I am right here and the book’s solution is wrong)

C: x | 0xFF

Text, letter

Description automatically generated

|  |  |  |  |
| --- | --- | --- | --- |
| A & B | 0x44 | A && b | True |
| A | b | 0x57 | A || B | True |
| ~a | ~b | 0xBB | !a || !b | True |
| A&!b | 0x11 | A && ~b | True |
|  |  |  |  |

Table

Description automatically generated Table

Description automatically generated