

| Caracter | decimal | Binario |
|----------|---------|---------|
| A        | 65      | 1000001 |
| n        | 110     | 1101110 |
| d        | 100     | 1100100 |
| r        | 114     | 1110010 |
| e        | 101     | 1100101 |
| s        | 115     | 1110011 |

[espacio] 20 1000000

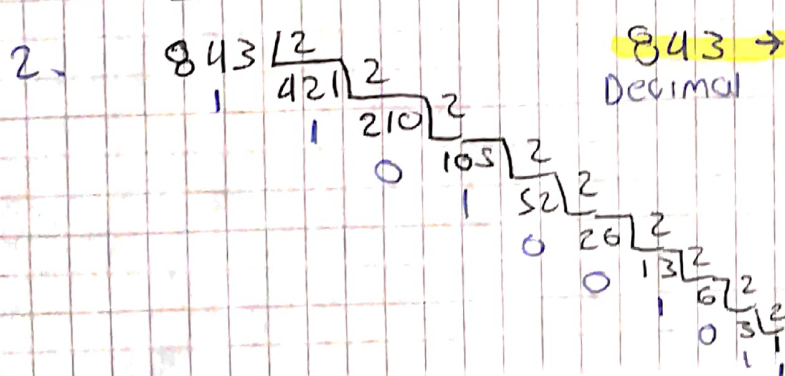
|   |     |         |
|---|-----|---------|
| F | 70  | 1000110 |
| e | 101 | 1100101 |
| r | 114 | 1110010 |
| n | 110 | 1101110 |
| a | 97  | 1100001 |
| n | 110 | 1101110 |
| d | 100 | 1100100 |
| o | 111 | 1101111 |

[espacio] 20 1000000

| Caracter | decimal | Binario |
|----------|---------|---------|
| T        | 84      | 1010100 |
| r        | 114     | 1110010 |
| i        | 105     | 1101001 |
| a        | 97      | 1100001 |
| n        | 110     | 1101110 |
| a        | 97      | 1100001 |

[espacio] 20 1000000

|   |     |         |
|---|-----|---------|
| A | 65  | 1000001 |
| g | 103 | 1100111 |
| u | 117 | 1110101 |
| i | 105 | 1101001 |
| l | 108 | 1101100 |
| e | 101 | 1100101 |
| r | 114 | 1110010 |
| a | 97  | 1100001 |



843 → 1101001011  
Decimal Binario

3.

a)  $11100101011110 = 2^1 + 2^2 + 2^3 + 2^4 + 2^6 + 2^8 + 2^{11} + 2^{12} + 2^{13}$   
 $2^{13} 2^{12} 2^{11} 2^{10} 2^9 2^8 2^7 2^6 2^5 2^4 2^3 2^2 2^1 2^0$

Decimal 14686

Hexadecimal 395E

b)  $1111111111111111$   
 $2^{15} 2^{14} 2^{13} 2^{12} 2^{11} 2^{10} 2^9 2^8 2^7 2^6 2^5 2^4 2^3 2^2 2^1 2^0$

$2^0 + 2^1 + 2^2 + 2^3 + 2^4 + 2^5 + 2^6 + 2^7 + 2^8 + 2^9 + 2^{10} + 2^{11} + 2^{12} = 8191$   
 Decimal 8191 Hexadecimal 1FFF

c)  $10000000000001 = 2^0 + 2^{11} = 2049$   
 $2^{11} 2^{10} 2^9 2^8 2^7 2^6 2^5 2^4 2^3 2^2 2^1 2^0$

Decimal 2049 Hexadecimal 801

d)  $10101011110000 = 2^4 + 2^5 + 2^6 + 2^7 + 2^8 + 2^9 + 2^{11} + 2^{13}$   
 $2^{13} 2^{12} 2^{11} 2^{10} 2^9 2^8 2^7 2^6 2^5 2^4 2^3 2^2 2^1 2^0$

Decimal 10992

Hexadecimal 2AFO

5)  $19F \rightarrow 1A0$

| Hexadecimal | Decimal | Binario |
|-------------|---------|---------|
| 0           | 0       | 0       |
| 1           | 1       | 1       |
| 2           | 2       | 10      |
| 3           | 3       | 11      |
| 4           | 4       | 100     |
| 5           | 5       | 101     |
| 6           | 6       | 110     |
| 7           | 7       | 111     |
| 8           | 8       | 1000    |
| 9           | 9       | 1001    |
| A           | 10      | 1010    |
| B           | 11      | 1011    |
| C           | 12      | 1100    |
| D           | 13      | 1101    |
| E           | 14      | 1110    |
| F           | 15      | 1111    |
| 10          | 16      | 10000   |
| 11          | 17      | 10001   |
| 12          | 18      | 10010   |
| 13          | 19      | 10011   |
| 14          | 20      | 10100   |
| 15          | 21      | 10101   |
| 16          | 22      | 10110   |
| 17          | 23      | 10111   |
| 18          | 24      | 11000   |
| 19          | 25      | 11001   |
| 1A          | 26      | 11010   |
| 1B          | 27      | 11011   |
| 1C          | 28      | 11100   |
| 1D          | 29      | 11101   |
| 1E          | 30      | 11110   |
| 1F          | 31      | 11111   |