

#### MANUAL DE PRACTICAS



| Nombre de la práctica | Conversión de números decimales a binarios |          |                           | No.                           | 1 |  |
|-----------------------|--|----------|---------------------------|-------------------------------|---|--|
| Asignatura:           | Matemáticas Discretas                      | Carrera: | Ingeniería en<br>sistemas | Duración de la práctica (Hrs) |   |  |

Nombre: Miguel Angel Cruz Vega

Grupo: 3102

I. Competencia(s) específica(s): capacidad de aplicar los conocimientos en la practica

II. Lugar de realización de la práctica (laboratorio, taller, aula u otro): Casa

III. Material empleado:

Hojas, bolígrafo, lápiz, goma, saca puntas

IV. Desarrollo de la práctica:



| conversión de   | nú meros  | Miguel  | Angel Eruz VE  | 99                   |
|---|---|---|--|----------------------|
| decimales a bii   | narios.   | Matricul  | 9:202423567  |                      |
| (349),0=(1010111  | 01)2 (357),=170   |   | 497,0=(997)  | 100 p12              |
| 349 = Z = 174 RE<br>174 = Z = 87 R=<br>87 = Z = 43 R=   | 0 178:2:89  | R=9   | 248-2=124  | R=0<br>R=0<br>R=1    |
| 43 ÷ 2=21 R=1<br>21 ÷ 2=10 R=7<br>10 ÷ 2=5 R=0  | 14-7-22<br>22-2=11<br>11-2=5  | A=0<br>A=1  | 31 ÷ 2 = 15<br>15 ÷ 2 = 7<br>9 ÷ 2 = 3<br>3 ÷ 2 = 1  | K= 1<br>R= 1<br>R= 7 |
| 5:2=2 A=1<br>2:2=1 A=0  | 2-2=9   | R = 0   |  |                      |
| (65),0=(10000001)   | (329)10 = (909000001)2  | (417)10=  | 11010000932  |                      |
| 65-2-32 R=1  32-2-16 R=0  16-2-8 R=0  8-2-4 R=0  1-2-2 R=0  1-2-1 R=0  (281),0=(100011001)2  281-2-140 R=1  140-2-2-40 R=0  70-2-35 R=0  35-2-17 R=0  17-2-8 R=1  8-2-4 R=0  4-2-2 R=0  4-2-2-7 R=0 | 329-2=164 A=9 184-2=82 R=P 82-2=41 R=0 41-2=20 R=1. 20-2=10 R=0 10-2=5 R=0 5-2=2 R=7 2:2=9 R=0  C361310=401109001)2 361-2=180 R=1 180-2=90 R=0 90-2=45 R=0 45-2=22 R=9 22-2=11 R=0 11=2=5 R=1 5-2=2 R=0 | 417 ÷ 2 = 208 ÷ 2 = 104 ÷ 2 = 26 ÷ 2 = 26 ÷ 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2                     | 208 R=1<br>104 R=0<br>52 R=0<br>26 R=0<br>13 R=0<br>1 R=1<br>R=1<br>R=0<br>01001) <sub>2</sub><br>R=1<br>R=0 |                      |
| (369),0= 6701110000)2   | (480,0 = C111100001)z   |   |  |                      |
| 369=2=18 4 A=1<br>184=2=92 A=0<br>92=2=46 A=0<br>46=2=23 A=0<br>23=2=11 A=1<br>11=2=5 A=1<br>5=2=2 A=1<br>2=2=1 A=0   | 481:22 240 e=1 240:2=120 R=0 120:2=60 R=0 60:2=30 R=0 80:2=15 R=0 15:2=7 R=1 7:2=3 R=1 3:2=1 R=1  | C10 93 po = [94<br>109 = 2 = 54<br>54 = 2 = 27<br>27 = 2 = 13<br>13 = 2 = 6<br>6 = 2 = 3<br>3 = 2 = 1 | R=1<br>R=0<br>R=1<br>R=1<br>R=0<br>R=1   |                      |





| 1 17 10 = 01 (PA) 1 (FOGOO 10 F P = 01 (F1 F  | 00101) 6149310 = 67001010132                     |
|---|--|
|   |  |
| 117-7-00  | A=1 149=2=74 N=1<br>A=0 . 74=2=37 R=0            |
| 208 - 4 - 107   | A=1 37=Z=18 R=1                                  |
| 104 32  | A=0 18-z=9 A=0                                   |
| 54  | q = 0 $q = 2 = 4$ $A = 1$                        |
| エルニエー (3  | 9=0 4-2= 2 4=0                                   |
| 13 = 2 = 6 A= 1   | 2-2=9 A=0  |
| 6 = 2 = 3 9=0   | 2-7-2  |
| 3 = 2 = 1 K=7   | C410/0=[101001]z 6373010=[101001101              |
| (141)10=C10001101)2 (97)10(1100001)   | 2 41 = 2 = 2 = 1 3 = 3 = 2 = 186 Q=1             |
| 2 4 - 1 - 4 A R R = 1   |  |
| 48-2224 11-0  | LU-L-10 3  |
| 30-2=35 R=D 24-2=12 N=0   | 10-2=5 0-1                                       |
| 35-2=19 A=1 12-2=6 A=0  | 5; 2=2 " AN = 0 CO N=D                           |
| 17-2=8 A=1 6 = 2=3 A=0  | 2 = Z = 1 A= P 10 = 2 = 6 R = 0                  |
| 8 = 2 = 9   | 5 = 1 = 2 A= 1                                   |
| 4:2=2 R=0   | 0 1=2=1 A=P                                      |
| L=2= 9 A=0  |  |
| (409)10=(10011911)2   | 665)10=61000001)2 6269)10=C10001101)2            |
| C. 3310 - C. 10 10 2  | 65 - 2 = 32 REI 269-2=134 R=1                    |
| 13 = 2 = 6 R=1 204 = 2 = 102 R=1  | 32 -2 = 16 A=0 134=2=67 A=0                      |
| 6: Z= 3 A=0 102 + Z= 5.1 A=0  | 16 = 2 = B R=0 67 = 2 = 33 A=7                   |
| 3 = 2 = 1 A = 1 SI = 2 = 25 A=1   | 8 = 2 = 4 K = 0 33 = 2 = 16 R = 1                |
| 25-2-12 R=1   | 7-22 2 "   |
| 12 -2 = 6 A= D  | 2-2= 1 A=0 8-2= 4 R=0                            |
| 6;z=3 R=0   | 2=1=1 K=0  |
| 3 = 2 = 1   A=  |  |
|   | 1401 0= (110010001)2 C461310 = (17100110         |
| 185),0=(700001001), (153),0=(10011001)2   | 642010-  |
| 100 20240 921   |  |
| 03.2272 n=0   |  |
| 92,2-10 1-0   |  |
| 19-2-9 8=1  | 50 - 2 = 25 N = 0                                |
| 9-2=4 9=1   | 25-2=12 A=1 28-2=14 N=0<br>12-2=6 R=0 14-2=9 A=0 |
| 4-2=2 4-0   | 14-4-  |
| 8: Z = 4 N=0  | 6 = 2 = 3  |
| 4=2=2 A=0   | 3.2-1  |
| 2:2=1 1=0   |  |
| 2 000   | 6165310 \$10100101)2 (441310=611011100           |
| (17) 20 = (11001)z (157)10 = (1001111)z   | 165:2=82 A=1 471:22=220 R=1                      |
| 153-2-0 1-1   | 82:1241 R=0 220:2=110 K=0                        |
| 17= 2= 8 A=1 78=2=39 A=1  | 41-2= 20 R=1 110-2=55 R=0                        |
| 8 = 2 = 4 R=0 39=2=19 R=1   | 20 - Z - 10 R=0 35 - 2 = 27 R= 1                 |
| 8-2-  | 10 = z = 5 A = 0 27 = z = 1 3 R = 1              |
| 9-2   | 10   |
| 2-Z = 1 R-1 4= L-3  | 5 = 2 = 13 = 2 = 0                               |
| 4-2-2 10-0  | 2,7=3  |
| 2 = 2 = 7 A=0   | 3=2=1 A=1  |
|   |  |
| AND DESCRIPTION OF THE PERSON |  |





| Al!                              |                            |                            | C445)10 = (110111101)2          |
|----------------------------------|----------------------------|----------------------------|---------------------------------|
| (85),0201010101                  | 62350,0=611101001)L        | C257 ) 10 = [10000001)2    | 445-z=222 R=1                   |
|                                  | 233 = 2=116 A=1            | 257-Z=128 R=1              | 222 - Z=111 K=0                 |
| 85-2=42 A=1                      | 116 = 2= 58 A=0            | 128:2=64 R=D               | 111-Z=55 K=1                    |
| 42:2=21 R=P                      | 38:2= 2:97=0               | 64 = 2=32 A=0              | 55 = Z = 27 R= Y                |
| 21 -2=10 A=1                     | 29 = 2= 1 4 R=1            | 32 = 2 = 16 R=0            | 27-7=13 R=7                     |
| 10 = 2 = 5 R= 0                  | 14: 7 = .7 N=0             | 16 - 2 = 8 1 = 10          | 13-Z=6 R=9                      |
| 10 - 2 - 3                       | 2 = 2 = 3 A=1              | 8 - z = 4 A = P            | 6 = 2 = 3                       |
| 12=7=-                           | 3 = 2 = 1 A=1              | 7 7 6 -                    | 3 - 2 = 1 4=1                   |
| 2 = 2 = 1                        |                            | 2 = 2 = 1 A = P            |                                 |
|                                  | (305),0 = (10011 0001)2    | 6177310-110110001)2        | 6485710:CIIII 0010175           |
| \$133010 = \$10011001)=          |                            | 129=2=88 R=1               | 485-22242 R=1                   |
| 133 = 2 = 7 6 R=1                | 305-2=152 R=1              | 88=2=44 R=P                | 242 - Z=121 R= P                |
| 76:2238 4=0                      | 152=2= 76 R=0              | 44-5=22 N=D                | 121 - 2= 60 4=1                 |
| 38-2= 19 R=0                     | 76:2=38 R=0                |                            | 60 = Z = 30 R= P                |
| 2                                | 38 = z = 19 N = 0          |                            | 30 = z = 15 Q= 0                |
|                                  | 19 = 2 = 9 A=1             | 1                          | 13:2 = 2 9=1                    |
| 9 = 2 = 4 R=1                    | 9 = 2 = 4 9=1              |                            | 9= z = 3 A= 1                   |
| n=2= 2 R=0                       | 4-2-Z K=D                  | 2 = 2 = 7                  | 3 = z = 3 R=1                   |
| 2:2=1 R=0                        | 2:2=1 K=P                  |                            |                                 |
| 1                                |                            | . (2) (2-1-20)             | c4872028111101001)              |
| C 35 3).0 = C101100001)2         | C289010 20100000           |                            | 489: Z=249 R=1                  |
| 353-2=176 R=1                    | 289:22144 R=1              | 169-2=84.9=1               | 244-2=122 9=0                   |
| 176:2288 RED                     | 144:2=92 11=0              | 84:2=42 R=0                | 122 52 5 6 1 A= P               |
| 4 88-2=44 R=D                    | 72=2=36 R=0<br>36=2=18 R=P | 92;2=21 R=P                | 61 72 = 30 R=1                  |
| 14-2= 22 R=D                     |                            | 21 - 2 = 10 R= 1           | 30 - Z= 15 N= P                 |
| 22:2= 11 R=P                     | 18-2=9 9=0                 | 10 +8-5 RZP                | (5 = 2 = 9 R= 1                 |
| 11 = 2 = 5 8=1                   | 9:2=4 6=1                  | 3 - 2 = 2 A=1              | 7:2 = 3 R=1                     |
| 3 = 2 = Z R=1                    | 4 = 2 = 2 A= 0             | 2:22 1 A=0                 | 3=2=1 R=1                       |
| 2 = 2 = 1 R=0                    | 2:2=1 8=0                  |                            |                                 |
| 1 december                       | c=97), = (100101001)2      | (315),0 = (100111001)=     | 6193210201011012                |
| (613,0=11101)2                   | 2017-2=148 9=1             | 313-2=156 6=1              | 173-2=86 R=1                    |
| 61=2=30 A=1                      | 148 = Z = 3 4 R = 0        | 156 72= 78 K=0             | 86 = 2 = 4 3 R = P              |
| 30:2=15 R=0                      | 24-2=37 A=D                | 78=2=39 6=0                | 43-2-21 A=1                     |
| 13:2= 9 8=1                      | 37:2=18 N=1                | 39:7=19 0=1                | 21:2=10 R=1                     |
| 9 = 2 = 3 R=1                    | 18:2= 9 A=0                | 19=2 = 9 R=1               | 10-2=5 M=P                      |
| 3=2=1 R=1                        | 9=2=4 9=7                  | 9:2= 4 1=1                 | 5-Z = Z R=1                     |
| 3 - La Santa                     | 4:2= Z K=0                 | 4:20 Z R=0                 | 2-2= 9 1=0                      |
|                                  | 2: 2= 1 A: 0               | 7-2= 1 R=p                 |                                 |
| C13+)ia=(10001001)               | C321310=C10 100 000        | 1)2 612501026111110102     | C3 97210 = (110001101):         |
| 61377020                         | 321=22160 R=1              | 125-2 -62 R=1              | 397:2=198 4=1                   |
| 137-2=68 A=1                     | 1602 = 80 R=0              |                            | 198 = 2 = 99 6=0                |
| 68 = 2 = 31 4 R= 0               | 80= Z= 40 R= 0             | 62-2-31 A=P<br>31-2=15 A=1 | 99-2-49 1-7                     |
| 34=2= 17 R=0                     | 00.                        | 31-2-13 R=1                | 79:2=24 6=7                     |
| 3 = 2 = 8 K=1                    | 40-7-5                     | 13.2-                      | 24-2=12 A=0                     |
| 8-z=4 A=P                        | 20 - 2 - 10                | + = 7 - 0                  | 12 -2 = 0 R=0                   |
| 8 = 2 = 2                        | 10-6-0                     | 3 = 2 = 1 A=1              | 6=2=3 K= 0                      |
| W - L                            | 5-2-                       |                            | 3=2=1 R=1                       |
| 2=2 = 1 A=0                      | 2=2=1 R=0                  |                            |                                 |
|                                  |                            |                            | S. D. C. Land Brown of the land |
| The same of the same of the same |                            |                            |                                 |



| C213,0=0101013   | Carl Sales (12.5)          | (4293,000110101101)   | (265),0 = €70000100                     |
|--|----------------------------|-----------------------|---|
| 21-2=10 4=1  | C 5 2 7 10 201 00 175      | 429+2:214 R=1         | 263=2=13 Z A=1                          |
| The State of the S | 25-2=12 A=1                |                       | 132==================================== |
| 10 -5 = 2 N=0  | 1272= 6 RED                | 214:2=107 0=0         | 66 = L= 33 R= 0                         |
| STEEL KEI  | 6-2-3 R=0                  | 109:2=53 R=1          | 33-2-16 N=1                             |
| 2:2= 1 K=0   | 3-2= 1 RE1                 | 33 - 2 = 26 R=1       | 16 = 2 = 8 K= 0                         |
|  |                            | 20=2= 13 A=0          | 8 = z = 4 R = 0                         |
| (9)0=61001)2 (   | 69)10 = (1010101)2 HI      | 13 -2 = 6 A=1         |   |
| 9:2=4 8=1 69   | -1=34 A=1 1=1 1=0          |                       |   |
|  | -2=17 R=0                  | 3-2= 1 A=1            | 2:2=7 K=0                               |
| 2-2-1 0-12   | -2 -B A=1                  | 3 - 2                 | 2 acres to the                          |
| 8  | 72 = 4 N=0                 |                       |   |
| C117710 = C111010172   | 0129310=(10000001)         | C261)10000001         | 01), 6389)10=4110000                    |
| 117-2=58 A=1   | 129-2-64 0=1               | 201-2=130 4=1         | 389-2=194 4=1                           |
| 38-1=29 N=0  | 64 = 2 = 32 A= D           | 130-2= 65 A=0         | 194=2=97 A=0                            |
| 47 -44   | 32 - 2=16 A= P             | 65-2=32 A=1           |   |
|  | 16 = 2 = 8 R = P           | 32 = 1216 R=P         |   |
| 14-2=9 A=0   | 8-2=4 A=0                  | 16 = Z= 8 A= P        |   |
| 7-2=3 A=1  | 4-2 = 2 A=0                | 8 - 2 = 4 x = 10      | 12 -2 - 12 A = 0                        |
| 3:2=1 K=1  | 2-L=1 A=0                  | 4-2=2 4=0             |   |
|  |                            | 2 = 2 = 1 4= 0        |   |
| C 6189310 2(11111101)2   | (1010100012=016462         |                       | 3 - z = 1 R = 1                         |
| 189 = 2= 94 A=1  | 2++====138 A=1             | 637310 261 0011132    | 634170=610101010101                     |
| 97-2=47 A=0  | 138-2=69 R=D               | 37:2218 A21           | 341=2=170 A=1                           |
| 77-2=23 A=1  | 69:2=34 N=1                | 18-2-9 4=1            | 190 = Z = 85 R = P                      |
| 23-2211 R=1  | 34-2= 17 R=0               | 9-2=4 8=1             | 85=2=42 0=1                             |
| 11=2=5 A=1   | 17:2= 8 N=1                | 7-2- 2 R=0            | 42:2:21 4=0                             |
| s=2=2 n=1  | 8 - Z = 4 A= 0             | 2-2-1 4=0             | 21: Z = 10 A= 1                         |
| 2:2=1 A=1  | 4-2 = 2 1 R=0              |                       | 10-2-5 R=0                              |
|  | 2 = Z = 1 R = 0            |                       | 3-2 = 2 R=1                             |
| ( 6145)10 = C10010001)   | 7 (332) -01-1-             |                       | 2:2=1 4=0                               |
| 145:2 = 72 RSI   | 2210 10 . 001101           | 2 C105310 3 (1101001) | 63651                                   |
| 7 2:2 = 36 R=0   | 333-22166 0=1              | 105-2 Z52 A=1         | C365010 = C10   10   10                 |
| 36-2=18 R=0  | 166 - 2 = 83 R2p           | 52 = 2=26 N=0         | 365: Z 2 18 Z R=1                       |
| 18:2=9 1:0   | 83-2-41 A=1                | 26:2213 A=P           | 182-2-91 R=0                            |
| 9-2=4 121  | 41-2-20 x=1<br>20-2=10 A=0 | 13 = 2 = 6 R=1        | 9172=45 A=1                             |
|  |                            | 6-2=3 4=0             | 75:2=22 A=1                             |
|  | 3 + 2 = 2 A=1              |                       | 22 - 22 11 A= 0                         |
| 2 - 2 = 1 R = 0.   | 2-2 = 1 8=0                | 3= z = 1              | 11 = z = 5 - 8 = 1<br>5 = z = 2   8 = 1 |
| CHERY CHICAGO  |                            | C4247.02611010100     | 2-2 = 1 8 = 0                           |
| C45 7)1p= C11100100  |                            | 729:22214 021         |   |
| 457-2=228 A=1  | 29:2214 4=1                | 214-2=103 R=0         | 6213)p=(11010101)2                      |
| 228 - 2211 4 4 0   | 14= 2= 7 0= 0              | 109=22 53 0=1         | 213-22106 A21                           |
| 114:2= 57 6=0  | 2 = 2 = 3 A=1              | 53 = Z = 26 N=1       | 106: Z= 53 A=0                          |
| 57:2228 A=1  | 3 = 2 = 1 R=1              | 26:2= 13 R=0          | 53-2226 K=1                             |
| 28:2=14 4=0  |                            | 13-2 = 6 1=1          | 26-Z213 R=D                             |
| 14 -2 = 2 1=0  |                            | 6:2=3 R=0             | 13 - 2 = 6 A=1                          |
| 7-2 = 3 K=1  |                            | 3-2= 1 A=1            | 6=2=3 R=P                               |
| 3 = 2 = 1 A=1  |                            |                       | 3 - 2 = 1 0=1                           |
|  |                            |                       |   |





| 25/10=(110101001)2   | C 293310 = C1 00 1001012 | C181)10=(10110101)2           | C133310 = (1110001)=                   |
|--|--------------------------|-------------------------------|--|
| 25-22212 K=1   | 293=2=146 RE1            |                               | les ?                                  |
| 12=2=106 R=0   | 146: Z=73 R=0            | 101=2290 R=1                  | 113 = z = 56 A = 1<br>56 = z = 28 N= 0 |
| 06:2= 53 R=0   | 93-2=36 8=1              | 90-2=45 R=0                   |  |
| 53-2=26 R=1  | 36 = z = 18 R = 0        | 45-2=22 R=9                   | 28-2=94 A=0                            |
| 26-2=13 K=0  | 18:2= 9 R=0              | 22=2=11 K=0                   | 14 = 2 = 2 A=D                         |
| 13 - 2 = 6 K= 1  | 9 = 2 = 4 N=1            | 11-2 = 5 B=1                  | 9=z=3 K=1                              |
| 6 ÷ 2 = 3 R= 0   | 4-Z= 2 R= 0              | 5 = 2 = 2 A=7                 | 3- 2=1 R=1                             |
| 3 = 2 = 7 A=7  | 2 = 2 = 1 A = 0          | 2:2=9 =0                      |  |
|  |                          |                               |  |
| C193210= C110000012  | C4693,0=(111010101)2     | 6777=610011017                | 689)10=61011001)2                      |
| 193-2296 R=1   | 469=25234 K=1            |                               | 89-72-44 5=1                           |
| 96-2=48 2=0  | 234=2=119 K=0            | 77-2238 rA=1                  | 44-Z= 2Z A=0                           |
| 48=2224 R=0  | 117=z=58 A=1             | 38-Z=19 R=0                   | 7-17                                   |
| 24 - Z = 1 Z N=0   | 58-2-29 1=0              | 19=2=9 R=1                    | 22 = Z = 18 A = P                      |
| 12 - 2= 6 R= P   | 29 = 2214 R=1            | 9:2=4 8=1                     | 11 = Z = 5 N=7                         |
| ,  | 14 = 2 = 7 3=0           | 4 = 2 = 2 4=0                 | 5 = Z = Z = N=1                        |
|  | 7 = 2 = 3 A = 7          | 2 = 7 = 7 8 = 0               | 2 = 2 = 1 R=0                          |
| 3 = Z = 1  | 3 = 2 = 1 A=1            |                               |  |
| 133010=1000001)2   | c 205), o=(1111p10])2    | 03813,0=(101111101)           | 6 285310= L9 000 111 012               |
| 33=2=16 A=1  | 205-2 =102 8=1           | 381=2=190 9=1                 | 285-2=172 A=1                          |
|  | 102 - 2 = KI R = 0       | 190-2= 95 K=0                 | 142-2-71 R=P                           |
| 12.020   | 61 = 2 = 30 h=1          | 95:2= 47 A=1                  | 2, -2=35 9=1                           |
| 8-2= 4 R= D  | 30 -2=15 1=0             | 47:2=23 N=1                   | 35 -2=19 A=1                           |
| 4= 2 = 2 A = 0   | 15 = 2 = 9 R= 7          | 23 - 2 = 11 6=1               |  |
|  | 7 = Z = 3 A=1            | 11 = 2 = 5 R=1                | 8 ÷ z = 4 A= 0                         |
| 2 = 2 = 7 R=0  | 3:2 = 7 6=7              | 5-2=2 A=B                     | 4-2 = 2 A50                            |
| - 22 - 5 11 - 11 612   | C4/3), == 2110011111)2   | 2:2=7 N=0                     | 2 - 2 = 9 A=0                          |
| 237),0=(11101101)2   | 2021.0                   | c 393310= (11001001)2         |  |
| 237-2=118 A=1  | 413-12=200 NEI           | 393-2=196 REI                 | -34 8- 61110013                        |
| 118-2=59 A=0   | 206-22 103 A=1           | 196:2= 98 K=0                 | 57-22 29 A=1                           |
| 59=2=29 K=1  | 103=2= 51 A=1            | 98 = 2 = 49 A=0               | 14-2= 9 6=0                            |
| 29-2=74 A=1  | 51:2=25 R=1              | 49:2=24 A=1                   |  |
| 14=2= 9 R=0  | 25:2=12 A=1              | 24-2=12 8=0                   |  |
| 7-2= 3 R=1   | 12 - 2 = 6 K=0           | 12:2 = 6 A=0                  | 3:201 A=1                              |
| 3-2=1 K=1  | 6 = 2 = 3 9=0            | 6- z = 3 R=0                  |  |
| 0, -   | 3 = 2 = 1 A= 1           | 3= 2=7 A=1                    |  |
| 0101210=6110010132   | CZZSJ10=(900001001)2     | C34520=C1010110012            | (317),02 (9 001111 a)                  |
| 101-2 =50 R=1  | 215-2=112 4=1            | 345-2=172 A=1                 |  |
| 50 = 2 = 2 5 4= 0  | 112-2- 86 R=0            | 172=2=86 R=0                  | 319 = 25158 K=1<br>158 = 2= 79 K=0     |
| 25: 2=12 A=1   | 66:2=33 R=0              | 86-2-43 K=0                   | 10:                                    |
| 12: 2= 6 6=0   | 33 = 2 = 16 R=1          | 43:2=21 K=1                   | 20                                     |
| 6-2=3 8=0  | 16:2= B K=0              | 21-2=10 4=1                   | 39= z=19 A=1                           |
| 32 2 = 1 A21   | 8 = 2 = 4 K= 0           | 10=2=5 A=P                    | 19:2= 9 1=7                            |
|  | 7: 7 = Z M=0             | 5 = 2 = 2 K=1                 | 9=2=4 4=7                              |
|  | 2; 2= 1 R=0              | 2=2=1 R=0                     | 4:5= 0 N=0                             |
|  |                          |                               | 2:2=9 N=0                              |
| AND RESIDENCE OF THE PARTY OF T |                          | NA NO CONTROL ADA y no so sur |  |





| (740) =(1)111         |                         |                         | ALLIANDONIA                     |
|-----------------------|-------------------------|-------------------------|---------------------------------|
| C249)10=(11111001)    | ~ 6241310= [1111 0001)2 | 6.61710=C101000017      | ٢ ١١٥٥٥٥١١١ ١١٥٥٥٥١١١           |
| 249=2=124 4=1         | 241-22120 ATI           | 161-2=80 A=1            | 444-6-                          |
| 124= Z= 62 N=0        | 120 - 2 = 60 R=0        | 80= Z=40 A=0            | 22472=112 A=D                   |
| 6272=31 0=0           | 60:2=30 A=D             | 40-2= 20 N= 0           | 30 = 2 = 28 A= P                |
| 31 = Z= 13 N=7        | 30- Z= 15 R=0           | 20-1=10 A= 0            | 28-2=14 1=0                     |
| 13 -2 = 7 R=1         | 15-2= 7 M=1             | 10:2= 5 K= P            | 14=2= + R=0                     |
| 9 ÷ 2 = 3 A=1         | 9 = 2 = 3 A=7           | 3 = Z = Z R= 1          | )=z=3 a=9                       |
| 3 = 2 = 9 = 9         | 3 = 2 = 7 R=1           | 2:2=9 A=0               | 3=Z= 4 a=1                      |
| 3.                    |                         |                         | C337310 = E1010   0001)         |
| C=04710=C111001017    | C245), p= [11111001)2   | C377 )10 = (101111001)2 |                                 |
| 209=2=104 A=1         | 245-2=122 A=1           | 377:2=188 A=1           | 337=2=168 K=1                   |
| 104:2= 57 A=0         | 122-2= 62 4=0           | 188-z= 94 A=0           | 168:2= 84 A=0                   |
| 57=2=28 A=1           | 6 z = 2 = 3   N = 0     | 94=2=47 0=0             | 84= Z= 42 N=D                   |
| 28-2=14 A=0           | 31 = 2= 13 A=1          | 47=2 Z Z Z 3 A=1        | 42:2=21 R=D                     |
| 14 -2= 7 N= 0         | 15 + 2= 7 B=1           | 23: 2=11 K=1            | 2112                            |
| 7=2=3 0=1             | + = 2 = 3 K= !          | 11 = 2 = 5 8=1          | 10 = z = 5 N=0<br>5 = z = z R=1 |
| 3 = z = 1 N = 1       | 3 = 2 = 1 A=1           | 5-2=2 A=1<br>2-2=1 A=0  | 2 = 2 = 1 A = D                 |
| ( cz20),0=(11100101)2 | 6253310=E1111101)z      | C2213,0=(11011101)2     | 6201310=C1100100132             |
| 229:2=114 8=1         | 253=2=126 R=1           | 321=2=110 A=1           | 209-2=100 A=1                   |
| 1/4-22 57 A=0         | 126:25 63 N=0           | 110-Z= 55 N=0           | 100 - 2 = 50 8 = 0              |
| 57=2=28 R=1           | 63:2=3 1 A=1            | 35-z= 27 a=1            | 50 - 2 = 25 R = 0               |
| 28-2=14 A=P           | 31-2= 15 K=1            | 29-2= 13 R=1            | 23 - 2 = 12 A=1                 |
| 14:2=9 R=0            | 15=2= 7 R=1             | 13:2= 6 R=7             | 12 -2 = 6 0=0                   |
| . + = z = 3 A = 9     | 2=2=3 N=1               | 6:2=3 A=0               | 6 - Z = 5 A=0                   |
| 3 = Z = 7 N=1         | 3=2= 1 A=1              | 3= Z = 9 A=1            | 3 = z = 1 A=1                   |
| (477)10= C111011101)2 | C121310 = C111 100132   | 6421310=(110100101)2    | 325)10=6101000101)2             |
|                       | 121=2=60 4=1            | 421-2=210 A=1           | 325-2=162 AFT                   |
| 477-2=238 A=1         | 60 - 2 = 30 A=0         | 210-2-105 R=0           | 81-2=40 A=1                     |
| . 238-2-119 R=0       | 30 = 2 = 15 A= 0        | 103:255                 | 40-2=20 A=0                     |
| 119-2= 59 A=1         |                         | 26-2=13 0=0             | 10 - 10 A=0                     |
| 59=2=29 5=1           | 15-2-7 8-1              | 13-2-6 N=1              | 10-2=5 6=0                      |
| 29:2=14 K=1           | 7:2=3 9=1               | 6-2-3 N=P               | 5-2-2 0=                        |
| 14:2= 9 6=0           | 3 = 2 = 1               | 3=2=1 0=1               | 2 = Z = 1 A = 0                 |
| 9 = 2 = 3 A=7         | 1 1                     | 2 MANUEL 11 11          |                                 |
| 3 = 2 = 7 A=1         | (Internal               | c385210261100010112     | (465), = (111010001)2           |
| CB1310=C1010=01)2     | C301710=E10011110175    |                         |                                 |
|                       | 301-2=150 R=1           | 385=2=192 0=1           | 765-2=232 A\$1                  |
| 81=2=40 A=1           | 150 = 7 = 25 N=0        | 197:2= 98 (=1           | 232-2-116 0=0                   |
| 40-2=20 A=0           | 25= z = 3 7 N=7         | 98-2-49 4-0             | 116-2- 58 R=P                   |
| 20:2=10 0=0           | 37:2=10 A=1             | 49 = 2= 24 n=7          | 58=2=29 A=D                     |
| 10-1=5 R=0            | 18 = 2 = 9 R=1          | 24=2=12 K=0             | 29:2 = 14 5=1                   |
| 5 - 2 = 2 4=1         | 9 = 2 = 4 R=1           | 12 = 2=6 h=0            | 14-2= 9 K= P                    |
| 2 - Z = 9 A=0         | 4-2=2 R=0               | 6:2=3 K=P               |                                 |
| 2:2-                  | 2 = 2 = 7 A = 0         | 3=2=1 A=1               | 7-2=3 R=1                       |
|                       |                         |                         | 3=2=7 6=1                       |
|                       |                         |                         |                                 |
|                       |                         |                         |                                 |



| 4533/02(111000101)2   | (217)10= (11011001)2 (         | 27340 -(100010001)2           |
|-----------------------|--------------------------------|-------------------------------|
| 153-2-226 4=1         | 217=Z=108 A=1                  | 273=2=136 A=1                 |
| 226-Z=113 R=0         | 108-7-54 A=0                   | 136= Z= 68 N=0                |
| 113-2= 56 A=1         | 54-2=27 R=0                    | 68-2=34 N=P                   |
| 56= z = 28 A=0        | 27:2= (3 8=1                   | 34 = Z= 19 R= P               |
| 28-2=14 A=P           | 13 = 2 = 6 A=1                 | 19-2=8 R=1                    |
| 14-2-7 R=0            | 6-2=3 A=P                      | 8 - Z = 4 K = 0               |
| 1452-1                | 3 - 2 = 1 A=1                  | 4: Z= Z R=0                   |
| 9-2=3 R=1             | 3. ( -                         | 2 - 2 = 1 A = P               |
| 3=2=1 A=1             |                                |                               |
| 6403),02C11001010132  | C433)10=(110110001)2           | c4 \$3310= C1 11 0 1 10 0 1)2 |
|                       | 433=Z=216 A=1                  | 473=236 R=1                   |
| 405-2=202 A=1         | 216-2=108 A=0                  | 236=1:8 2=0                   |
| 202 - 2=101 A=0       | 108-22 34 3=0                  | 118= 59 A=P                   |
| 101 = z = 50 A=1      | 54 = 2 = 27 N=P                | 159 = 29 A= 7                 |
| 50 = 2 = 25 A=0       | 29 = 2 = 13 A = 7              | 29 = 14 A= 1                  |
| 25 = 2 = 12 = 1       | 13 = 2 = 6 0=1                 | 14 = 2 K = 0                  |
| 12 = 2 = 6 5=0        | 6-2=3 7 = 0                    | 9 = 3 1 = 7                   |
| 6 = 2 = 3 A = P       | 3 = 2 = 1 M=1                  | 3 = 1 6= 4                    |
| 3-2=1 8=1             |                                |                               |
| C437)10= C111011101)2 | C493310=C11110110122           | cd3710=C101110175             |
| 432-22218 4=1         | 493-2=246 1=1                  | 93+2=40 R=1                   |
| 218 - 2 - 109 A: P    | 246:22123 R=0                  | 46-2=23 6=0                   |
| 109 - 2 = 59 A=1      | 123:2- 61 6=1                  | 13-2-11 6-1                   |
| 50 = 2 = 29 K=1       | 61-2-30 A=1                    | 11 = 2 = 5 A=1                |
| 29 = Z = 14 N=1       | 30-2015 150                    | S-2 = 2 A=1                   |
| 14 = 2 = 7 A= P       | 13 = Z = 4 M=1                 |                               |
| 7 = 2 = 3 N=1         | 7 - 2 = 3 R=1<br>3 - 2 = 1 N=1 | 2-12-7 A=0                    |
| 3 = 2 = 7 R=1         | 3 - 2 - 1                      |                               |
| 3-2-1                 |                                |                               |
| C450,0=C10110102      | C197310=C11000101)2            | C309)10 = C100110101)2        |
|                       | 197-2=98 A=1                   | 309 - 2=154 K=1               |
| 45.2-20               | 98-2-49 1-0                    | 154=2= + + h=P                |
| 22 = 2 = 11 R=0       | 49: 2=24 A=1                   | 77 = Z = 38 R=1               |
| 11 = 2 = 5 G=1        | 24 = 2= 12 A=0                 | 38-2=19 6=0                   |
| 5 - 2 = 2 R=1         | 12 = 2 = 6 R= 0                | 19-2=9 6=1                    |
| 2 = 2 = 1 1=0         | 6 = 2 = 3 R= P                 | 9-2 = 4 1=1                   |
|                       | 3 = 2 = 1 A = 1                |                               |
|                       |                                | 4=2=2                         |
|                       |                                | 2 = 2 = 1 A= 0                |
|                       |                                |                               |
|                       |                                |                               |
|                       |                                |                               |

### **MANUAL DE PRACTICAS**



V. Conclusiones: La conversión de decimal a binario nos ayuda a comprender un poco mejor el lenguaje maquina