1. Úkol

xtaipo00

A) x= 78(h)= 001111000bin

t= 74(h)= 001110100bin

a= 61(h)= 001100001bin

i= 69(h)= 001101001bin

p= 70(h)= 001110000bin

o= 6F(h)= 001101111bin

0= 30(h)= 000110000bin

0= 30(h)= 000110000bin

B)

|  |  |  |
| --- | --- | --- |
| Přímý kód: | Inverzní kód | Doplňkový kód |
| 101111000 | 110000111 | 110001000 |
| 101110100 | 110001011 | 110001100 |
| 101100001 | 110011110 | 110011111 |
| 101101001 | 110010110 | 110010111 |
| 101110000 | 110001111 | 110010000 |
| 101101111 | 110010000 | 110010001 |
| 100110000 | 111001111 | 111010000 |
| 100110000 | 111001111 | 111010000 |

С)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Bin | Přímý kód | dec | hex |
| 78(h) | 001111000 | 101111000 | 376 | 178 |
| 74(h) | 001110100 | 101110100 | 372 | 174 |
| 61(h) | 001100001 | 101100001 | 353 | 161 |
| 69(h) | 001101001 | 101101001 | 361 | 169 |
| 70(h) | 001110000 | 101110000 | 368 | 170 |
| 6F(h) | 001101111 | 101101111 | 367 | 16F |
| 30(h) | 000110000 | 100110000 | 304 | 130 |
| 30(h) | 000110000 | 100110000 | 304 | 130 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Bin | Inverzní kód | dec | hex |
| 78(h) | 001111000 | 110000111 | 391 | 187 |
| 74(h) | 001110100 | 110001011 | 395 | 18B |
| 61(h) | 001100001 | 110011110 | 414 | 19E |
| 69(h) | 001101001 | 110010110 | 406 | 196 |
| 70(h) | 001110000 | 110001111 | 399 | 18F |
| 6F(h) | 001101111 | 110010000 | 400 | 190 |
| 30(h) | 000110000 | 111001111 | 463 | 1CF |
| 30(h) | 000110000 | 111001111 | 463 | 1CF |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Bin | Doplňkový kód | dec | hex |
| 78(h) | 001111000 | 110001000 | 392 | 188 |
| 74(h) | 001110100 | 110001100 | 396 | 18C |
| 61(h) | 001100001 | 110011111 | 415 | 19F |
| 69(h) | 001101001 | 110010111 | 407 | 197 |
| 70(h) | 001110000 | 110010000 | 400 | 190 |
| 6F(h) | 001101111 | 110010001 | 401 | 191 |
| 30(h) | 000110000 | 111010000 | 464 | 1D0 |
| 30(h) | 000110000 | 111010000 | 464 | 1D0 |