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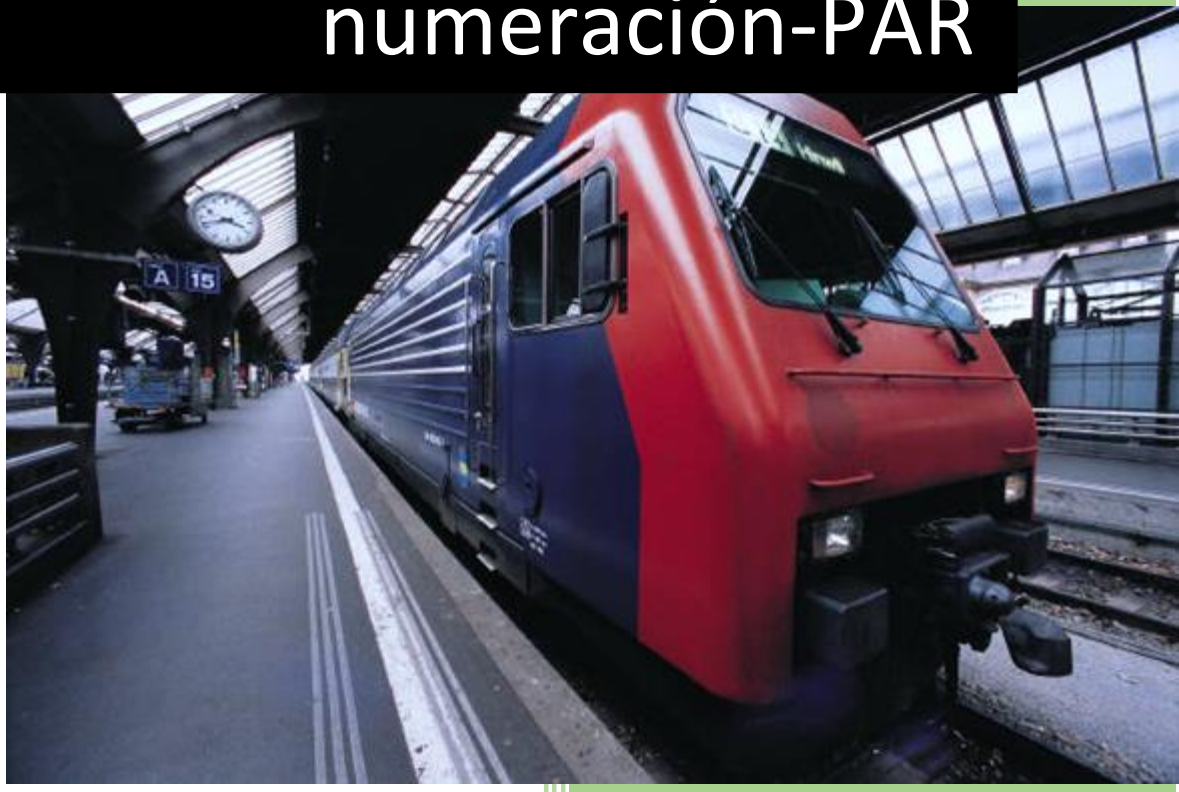
Tareas de sistemas de numeración-PAR



Daniel Blanco Aranda

PAR

20/21

Contenido

Tareas

1) Decimal

Cantidades	BINARIO	OCTAL	HEXADECIMAL
193_{10}	11000001_2	301_8	$C1_{16}$
128_{10}	10000000_2	200_8	80_{16}
127_{10}	1111111_2	177_8	$7F_{16}$
169_{10}	10101001_2	251_8	$A9_{16}$
255_{10}	11111111_2	377_8	FF_{16}
254_{10}	11111110_2	376_8	FE_{16}
172_{10}	10101100_2	254_8	AC_{16}
1030_{10}	10000000110_2	2006_8	406_{16}
990_{10}	1111011110_2	1736_8	$3DE_{16}$
873_{10}	$11\ 0110\ 1001_2$	1551_8	369_{16}

2) Octal

Cantidades	BINARIO	HEXADECIMAL	DECIMAL
772_8	$1\ 1111\ 1010_2$	$1FA_{16}$	506_{10}
654_8	$1\ 1010\ 1100_2$	$1AC_{16}$	428_{10}
637_8	$1\ 1001\ 1111_2$	$19F_{16}$	415_{10}
100_8	$100\ 0000_2$	40_{16}	64_{10}

3) Hexadecimal

Cantidades	BINARIO	OCTAL	DECIMAL
$A3D_{16}$	$1010\ 0011\ 1101_2$	5075_8	2621_{10}
$7B0_{16}$	$111\ 1011\ 0000_2$	3660_8	1968_{10}
ABC_{16}	$1010\ 1011\ 1100_2$	5274_8	2748_{10}
$11F_{16}$	$1\ 0001\ 1111_2$	437_8	287_{10}

4) Binario

Cantidades	OCTAL	HEXADECIMAL	DECIMAL
11100001_2	341	E1	225
1010111011_2	1273	2BB	699
11110111_2	367	F7	247
11001000_2	310	C8	200

5) AND,OR,XOR

- AND(195, $240_{(10)}$=195=1100 0011,240 1111 0000=11000000
- AND(174_{10}, 224_{10}= 1010 1110174, 11100000224= 10100000
- AND($168_{(10}$, $248_{(10}$=168= 10101000,248=11111000=10101000
- AND($120_{(10}$, $128_{(10}$=120=111 1000,128= 1000 0000=10000000
- OR($196_{(10}$, $241_{(10)}$=196, 1100 0100,241, 1111 0001=11110101
- OR($172_{(10}$, $220_{(10}$=172,1010 1100,220, 1101 1100=11111100
- OR ($160_{(10}$, $241_{(10}$=160, 1010 0000, 241, 1111 0001=1111 0001
- OR ($126_{(10}$, $126_{(10)}$=126, 111 1110,126, 111 1110=111 1110
- XOR($196_{(10}$, $241_{(10)}$= 196, 1100 0100,241, 1111 0001=11 0101
- XOR(172(10, 220(10= 172,1010 1100,220, 1101 1100=111 0000
- XOR ($160_{(10}$, $241_{(10}$=160, 1010 0000, 241, 1111 0001= 101 0001
- XOR ($126_{(10}$, $126_{(10)}$=126, 111 1110,126, 111 1110= 000 0000