FIT1047 Assignment 1: Encodings

Individualised character encoding table.

Complete Part 1 of Assignment 1 based on the following encoding table.

The table contains 128 different characters, numbered from 0 to 127. Note how the characters of the English alphabet are not listed in the usual order. However, the order of lower-case and upper-case characters is the same: The table lists the upper-case characters first (starting with Q, T, V, . . .), followed by some symbols and then the lower-case characters (q, t, v, . . .).

For each character, you are given its hexadecimal code. For example, the character] has hex code 2a.

!	00	N	20	1	40	r	60
@	01	I	21	2	41	c	61
#	02	W	22	3	42	a	62
$	03	O	23	4	43	m	63
%	04	L	24	5	44	«	64
^	05	R	25	6	45	»	65
&	06	C	26	7	46	™	66
*	07	A	27	8	47	£	67
(	08	M	28	9	48	¢	68
)	09	[	29	0	49	€	69
-	0a	]	2a	q	4a	∞	6a
+	0b	$\int$	2b	t	4b	§	6b
=	0c	\	2c	v	4c	¶	6c
{	0d	:	2d	k	4d	•	6d
}	0e	;	2e	e	4e	ª	6e
Q	0f	"	2f	g	4f	º	6f
T	10	<	30	d	50	$\neq$	70
V	11	>	31	h	51	±	71
K	12	,	32	f	52	‡	72
E	13	.	33	s	53	ı	73
G	14	/	34	u	54		74
D	15	?	35	j	55	¯	75
H	16	‘	36	b	56	˘	76
F	17	~	37	p	57	¿	77
S	18	$\leq$	38	z	58	Ű	78
U	19	$\geq$	39	x	59	Æ	79
J	1a	÷	3a	y	5a	μ	7a
B	1b	. . .	3b	n	5b	©	7b
P	1c	æ	3c	i	5c	®	7c
Z	1d	‘‘	3d	w	5d	¬	7d
X	1e	‘	3e	o	5e	$\surd$	7e
Y	1f	0	3f	l	5f	$\approx$	7f

FIT1047 Assignment 1: Boolean Algebra

Individualised truth table

Complete Part 2 of Assignment 1 based on the following truth table.

Important: Your truth table is different from the one other students are working on. Only access this file while you are correctly logged into Moodle with your own student account.

X1	X2	X3	X4	Z1	Z2
0	0	0	0	0	1
0	0	0	1	1	0
0	0	1	0	1	0
0	0	1	1	0	1
0	1	0	0	1	1
0	1	0	1	1	1
0	1	1	0	0	1
0	1	1	1	1	0
1	0	0	0	0	1
1	0	0	1	1	0
1	0	1	0	1	1
1	0	1	1	0	0
1	1	0	0	1	1
1	1	0	1	0	0
1	1	1	0	1	1
1	1	1	1	1	0