

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
ADD	0001				DR			SR1			0	00		SR2			ADD DR, SR1, SR2
ADD	0001				DR			SR1			1	imm5					ADD DR, DR1, #imm5
AND	0101				DR			SR1			0	00		SR2			AND DR, SR1, SR2
AND	0101				DR			SR1			1	imm5					AND DR, SR1, #imm5
BR	0000				n	z	p	PCoffset9									BRx LABEL (PCoffset9)
JMP	1100				000			BaseR			000000						JMP BaseR
JSR	0100				1	PCoffset11											JSR LABEL (PCoffset11)
JSRR	0100				0	00		BaseR			000000						JSRR BaseR
LD	0010				DR			PCoffset9									LD DR, LABEL (PCoffset9)
LDI	1010				DR			PCoffset9									LDI DR, LABEL (PCoffset9)
LDR	0110				DR			BaseR			offset6						LDR DR, BaseR LABEL (Base Offset6)
LEA	1110				DR			PCoffset9									LEA DR, LABEL (PCoffset9)
NOT	1001				DR			SR			1111						NOT DR, SR
RET	1100				000			111			000000						RET
RTI	1000				000000000000												RTI
ST	0011				SR			PCoffset9									ST SR, LABEL (PCoffset9)
STI	1011				SR			PCoffset9									STI SR, LABEL (PCoffset9)
STR	0111				SR			BaseR			offset6						STR SR, BaseR, LABEL (Base Offset6)
TRAP	1111				0000			trapvect8									TRAP trapvect8
reserved	1101																Don't Use This One

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

Name: \_\_\_\_\_

ASCII Hex Symbol			ASCII Hex Symbol			ASCII Hex Symbol			ASCII Hex Symbol		
0	0	NUL	16	10	DLE	32	20	(space)	48	30	0
1	1	SOH	17	11	DC1	33	21	!	49	31	1
2	2	STX	18	12	DC2	34	22	"	50	32	2
3	3	ETX	19	13	DC3	35	23	#	51	33	3
4	4	EOT	20	14	DC4	36	24	\$	52	34	4
5	5	ENQ	21	15	NAK	37	25	%	53	35	5
6	6	ACK	22	16	SYN	38	26	&	54	36	6
7	7	BEL	23	17	ETB	39	27	'	55	37	7
8	8	BS	24	18	CAN	40	28	(	56	38	8
9	9	TAB	25	19	EM	41	29	)	57	39	9
10	A	LF	26	1A	SUB	42	2A	*	58	3A	:
11	B	VT	27	1B	ESC	43	2B	+	59	3B	;
12	C	FF	28	1C	FS	44	2C	,	60	3C	<
13	D	CR	29	1D	GS	45	2D	-	61	3D	=
14	E	SO	30	1E	RS	46	2E	.	62	3E	>
15	F	SI	31	1F	US	47	2F	/	63	3F	?

  

ASCII Hex Symbol			ASCII Hex Symbol			ASCII Hex Symbol			ASCII Hex Symbol		
64	40	@	80	50	P	96	60	`	112	70	p
65	41	A	81	51	Q	97	61	a	113	71	q
66	42	B	82	52	R	98	62	b	114	72	r
67	43	C	83	53	S	99	63	c	115	73	s
68	44	D	84	54	T	100	64	d	116	74	t
69	45	E	85	55	U	101	65	e	117	75	u
70	46	F	86	56	V	102	66	f	118	76	v
71	47	G	87	57	W	103	67	g	119	77	w
72	48	H	88	58	X	104	68	h	120	78	x
73	49	I	89	59	Y	105	69	i	121	79	y
74	4A	J	90	5A	Z	106	6A	j	122	7A	z
75	4B	K	91	5B	[	107	6B	k	123	7B	{
76	4C	L	92	5C	\	108	6C	l	124	7C	
77	4D	M	93	5D	]	109	6D	m	125	7D	}
78	4E	N	94	5E	^	110	6E	n	126	7E	~
79	4F	O	95	5F	_	111	6F	o	127	7F	

$n$	$2^n$
0	1
1	2
2	4
3	8
4	16
5	32
6	64
7	128
8	256
9	512
10	1024 (1K)
11	2048 (2K)
12	4096 (4K)
13	8192 (8K)
14	16,384 (16K)
15	32,768 (32K)
16	65,536 (64K)

# TRAP TABLE

vector	symbol	routine
x20	GETC	read a single character (no echo)
x21	OUT	output a character to the monitor
x22	PUTS	write a string to the console
x23	IN	print prompt to console, read and echo character from keyboard
x25	HALT	halt the program