

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	0	0	LIFO disabled	0	0	0	0	ZZ	0	1	0	LIFO disabled
0	1	0	0	ZZ	0	0	0	clear activated	0	1	0	0	ZZ	0	1	0	clear activated
1	1	0	0	ZZ	0	0	0	PUSH ZZ	1	1	0	0	ZZ	0	1	0	PUSH ZZ
1	0	1	0	0	0	0	0	PUSH 00	1	0	1	0	0	0	0	0	PUSH 00
1	0	1	0	1	0	0	0	PUSH 01	1	0	1	0	1	0	0	0	PUSH 01
1	0	1	0	2	0	0	0	PUSH 02	1	0	1	0	2	0	0	0	PUSH 02
1	0	1	0	3	0	0	0	PUSH 03	1	0	1	0	3	0	0	0	PUSH 03
1	0	1	0	4	0	0	0	PUSH 04	1	0	1	0	4	0	0	0	PUSH 04
1	0	1	0	5	0	0	0	PUSH 05	1	0	1	0	5	0	0	0	PUSH 05
1	0	1	0	6	0	0	0	PUSH 06	1	0	1	0	6	0	0	0	PUSH 06
1	0	1	0	7	0	0	0	PUSH 07	1	0	1	0	7	0	0	0	PUSH 07
1	0	1	0	8	0	0	0	PUSH 08	1	0	1	0	8	0	0	0	PUSH 08
1	0	1	0	9	0	0	0	PUSH 09	1	0	1	0	9	0	0	0	PUSH 09
1	0	1	0	0A	0	0	0	PUSH 0A	1	0	1	0	0A	1	0	0	PUSH 0A
1	0	1	0	0B	1	0	0	LIFO hold	1	0	1	0	0B	1	0	0	LIFO hold
1	0	0	0	ZZ	0	0	0	POP ZZ	1	0	0	0	ZZ	1	0	0	POP ZZ
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	0A	0	0	0	POP 0A
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	9	0	0	0	POP 09
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	8	0	0	0	POP 08
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	7	0	0	0	POP 07
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	6	0	0	0	POP 06
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	5	0	0	0	POP 05
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	4	0	0	0	POP 04
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	3	0	0	0	POP 03
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	2	0	0	0	POP 02
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	1	0	0	0	POP 01
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	0	0	1	0	POP 00
1	0	0	1	0	0	0	0	POP 00	1	0	0	1	0	0	1	0	POP 00
26	2	12	12	45	1	1	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
1	0	0	1	0	0	1	POP 00		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5		0	26	2	12	12	90	3	5		0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	U	U	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	U	U	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	U	U	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0	U	U	PUSH 00		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0	U	U	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	0	U	U	POP 00		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 0A	0	0	POP 0A	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 9	0	0	POP 09	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 8	0	0	POP 08	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 7	0	0	POP 07	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 6	0	0	POP 06	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 5	0	0	POP 05	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 4	0	0	POP 04	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 3	0	0	POP 03	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 2	0	0	POP 02	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 1	0	0	POP 01	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 0	0	1	POP 00	
1	0	0	0	1	U	U	POP 00		1	0	0	0	1 0	0	1	POP 00	
26	2	12	12	0	0	0		0	26	2	12	12	90	3	5		0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5	0	0	26	2	12	12	90	3	5	0	0

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY			nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled		0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated		0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ		1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00		1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01		1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02		1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03		1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04		1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05		1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06		1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07		1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08		1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09		1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A		1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z	1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ		1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A		1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09		1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08		1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07		1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06		1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05		1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04		1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03		1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02		1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01		1	0	0	1	1	0	0	POP 01	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
1	0	0	1	ZZ	0	1	POP ZZ		1	0	0	1	0	0	1	POP 00	
26	2	12	12	90	3	5		0	26	2	12	12	90	3	5		0

IDEAL

nCLR	nEnable	PUSH	POP	data	FULL	EMPTY		
0	0	0	0	ZZ	0	1	LIFO disabled	
0	1	0	0	ZZ	0	1	clear activated	
1	1	0	0	ZZ	0	1	PUSH ZZ	
1	0	1	0	0	0	0	PUSH 00	
1	0	1	0	1	0	0	PUSH 01	
1	0	1	0	2	0	0	PUSH 02	
1	0	1	0	3	0	0	PUSH 03	
1	0	1	0	4	0	0	PUSH 04	
1	0	1	0	5	0	0	PUSH 05	
1	0	1	0	6	0	0	PUSH 06	
1	0	1	0	7	0	0	PUSH 07	
1	0	1	0	8	0	0	PUSH 08	
1	0	1	0	9	0	0	PUSH 09	
1	0	1	0	0A	1	0	PUSH 0A	
1	0	1	0	0B	1	0	LIFO hold	set data = Z
1	0	0	0	ZZ	1	0	POP ZZ	
1	0	0	1	0A	0	0	POP 0A	
1	0	0	1	9	0	0	POP 09	
1	0	0	1	8	0	0	POP 08	
1	0	0	1	7	0	0	POP 07	
1	0	0	1	6	0	0	POP 06	
1	0	0	1	5	0	0	POP 05	
1	0	0	1	4	0	0	POP 04	
1	0	0	1	3	0	0	POP 03	
1	0	0	1	2	0	0	POP 02	
1	0	0	1	1	0	0	POP 01	
1	0	0	1	0	0	1	POP 00	
25	2	12	11	90	3	4	0	0