

Comparto 9/9/2022

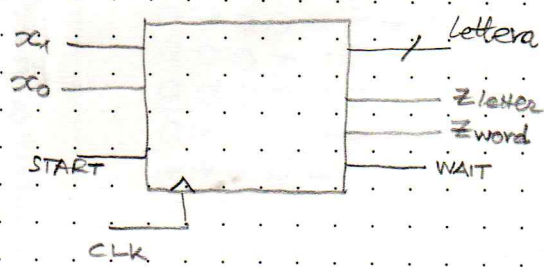
Tabella codifica Morse

Tabella codifica "Standard"

0	E	} 1 simbolo, $2^1 = 2$ lettere	E	0 0 1 0 0
1	T		T	1 0 0 1 1
0 0	I	} 2 simboli, $2^2 = 4$ lettere	I	0 1 0 0 0
0 1	A		A	0 0 0 0 0
1 0	N		N	0 1 1 0 1
1 1	M		M	0 1 1 0 0
0 0 0	S	} 3 simboli, $2^3 = 8$ lettere	S	1 0 0 1 0
0 0 1	U		U	1 0 1 0 0
0 1 0	R		R	1 0 0 0 1
0 1 1	W		W	1 0 1 1 0
1 0 0	D		D	0 0 0 1 1
1 0 1	K		K	0 1 0 1 0
1 1 0	G		G	0 0 1 1 0
1 1 1	O		O	0 1 1 1 0
0 0 0 0	H	} 4 simboli, $2^4 = 16$ lettere	H	0 0 1 1 1
0 0 0 1	V		V	1 0 1 0 1
0 0 1 0	F		F	0 0 1 0 1
0 0 1 1	*		L	0 1 0 1 1
0 1 0 0	L		P	0 1 1 1 1
0 1 0 1	*		P	0 1 0 0 1
0 1 1 0	P		J	0 0 0 0 1
0 1 1 1	J		B	1 0 1 1 1
1 0 0 0	B		X	0 0 0 1 0
1 0 0 1	X		C	1 1 0 0 0
1 0 1 0	C		Y	1 1 0 0 1
1 0 1 1	Y		Z	1 0 0 0 0
1 1 0 0	Z		Q	
1 1 0 1	Q		*	
1 1 1 0	*		*	
1 1 1 1	*			

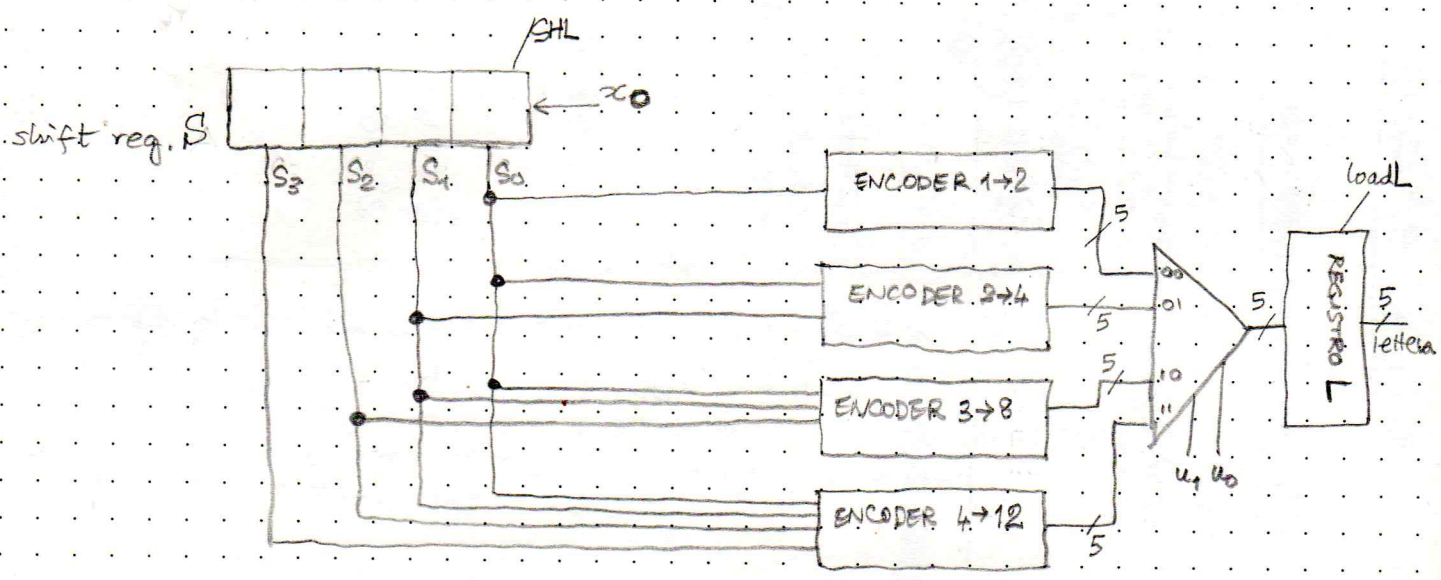
\* = don't care

$$16 + 8 + 4 + 2 - 4(\text{don't care}) = 26$$

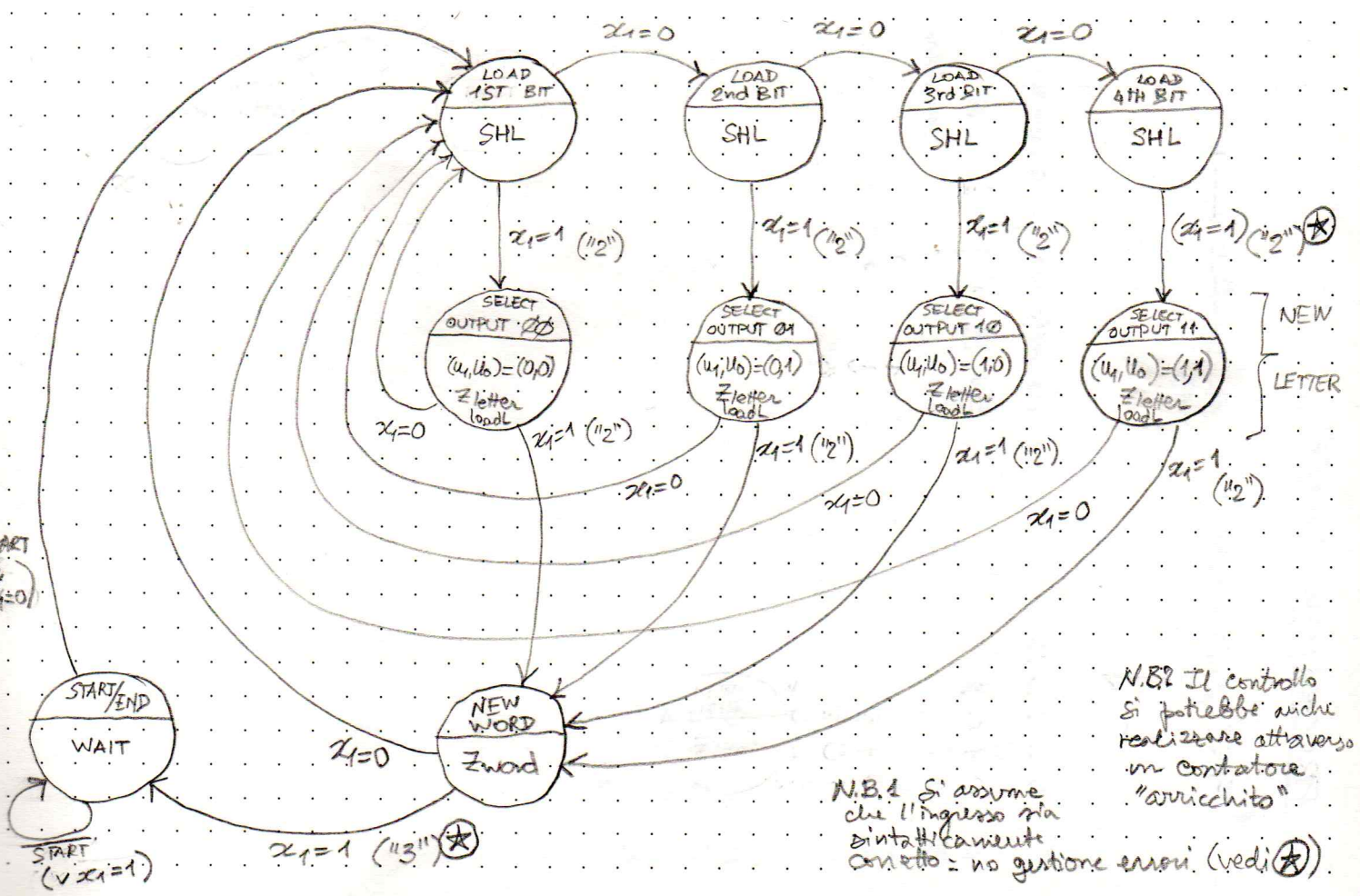


$x_1$	$x_0$	Simbolo Morse	
0	0	0	} Simboli di codifica ( $x_1=0$ )
0	1	1	
1	0	2	} Simboli di controllo ( $x_1=1$ )
1	1	3	

34



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N.B.2 Il controllo si potrebbe anche realizzare attraverso un contatore "avvicinato"

N.B.1 Si assume che l'ingresso sia sintatticamente corretto = no gestione errori (vedi ⚠)