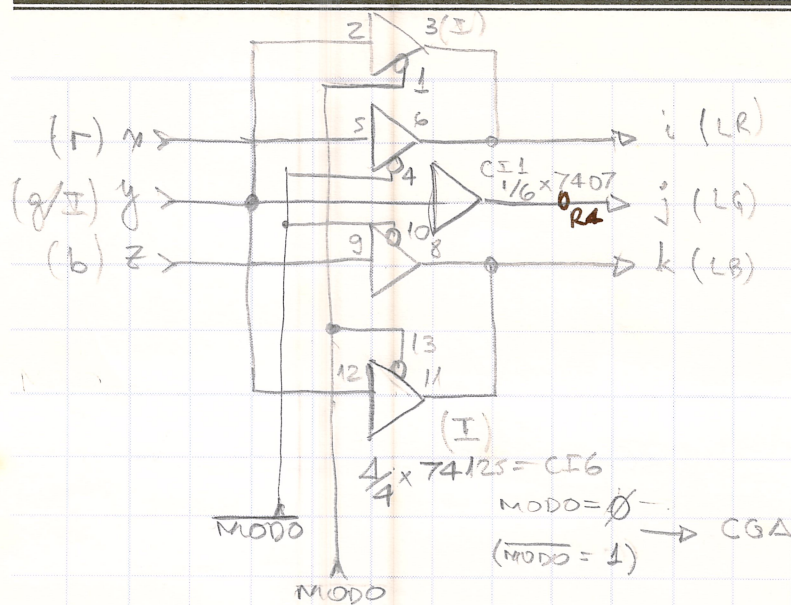
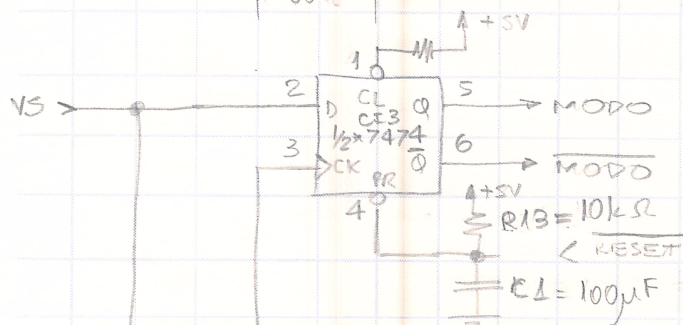
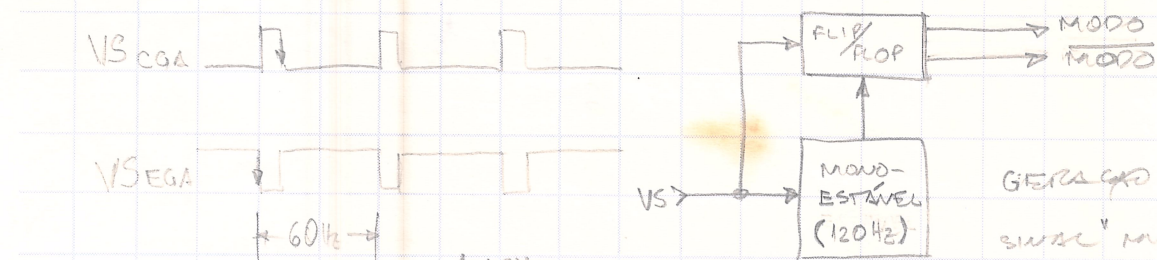


IT00245 - 2000 BLS 50x1 - 11/89



2. GERAÇÃO DO SINAL DE MODO



$$V = V_f + (V_i - V_f) e^{-t/\tau}$$

$$V_{IL7474} = 0,8 V_{max}$$

$$t_{WPR} = 30 ns \text{ min}$$

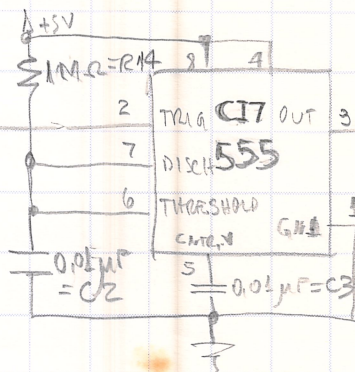
$$0,8 = 5 + (0 - 5) \cdot e^{-\frac{0,125}{R13 \cdot C1}}$$

$$e^{-\frac{0,125}{R13 \cdot C1}} = \frac{4,2}{5} = 0,84 \Leftrightarrow$$

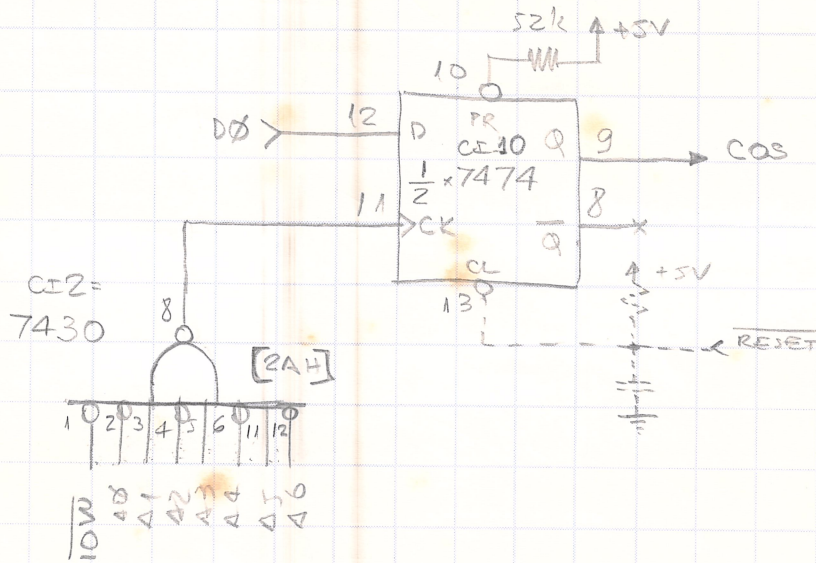
$$\Leftrightarrow \frac{0,125}{R13 \cdot C1} = 0,174 \Rightarrow R13 \cdot C1 = 717 \cdot 10^{-3}$$

$$C1 = 100 \mu F \quad \tau = 1$$

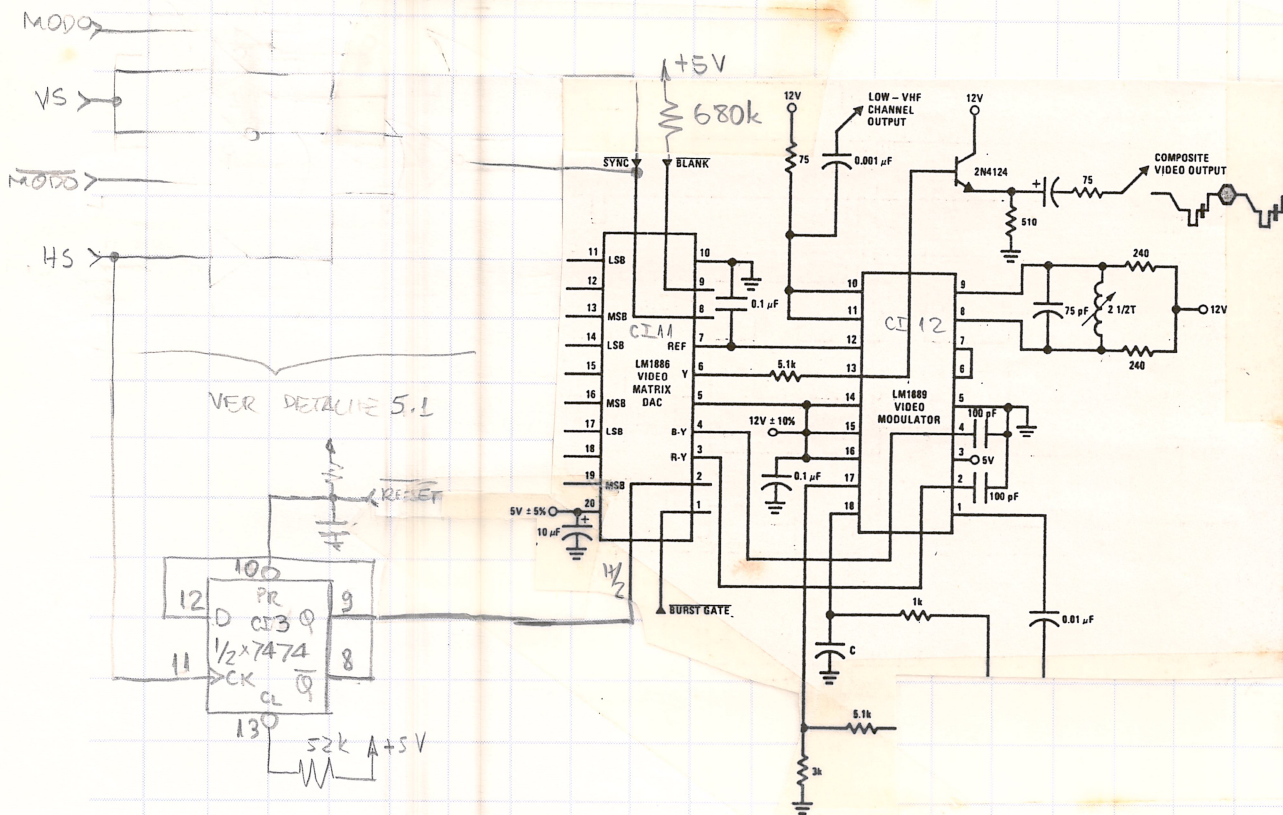
$$R13 = 10 k\Omega$$



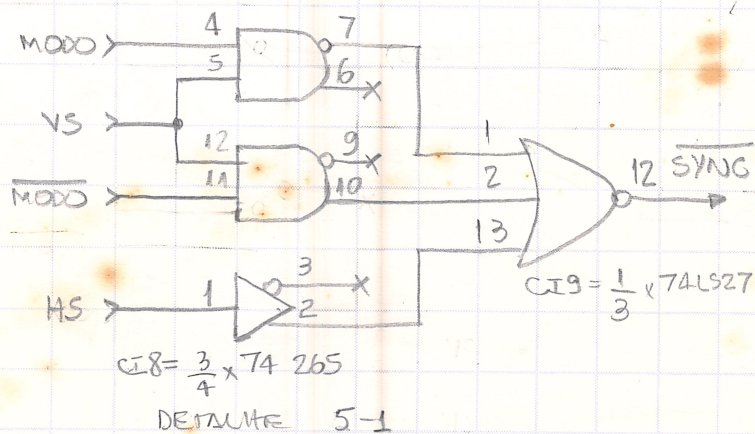
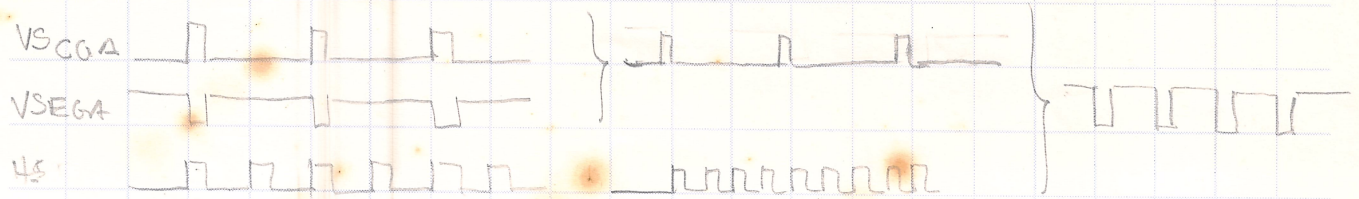
3. SINUS COS (CONTROLE DAS SAÍDAS)



4. CONVERSOR / MODULADOR DE VÍDEO

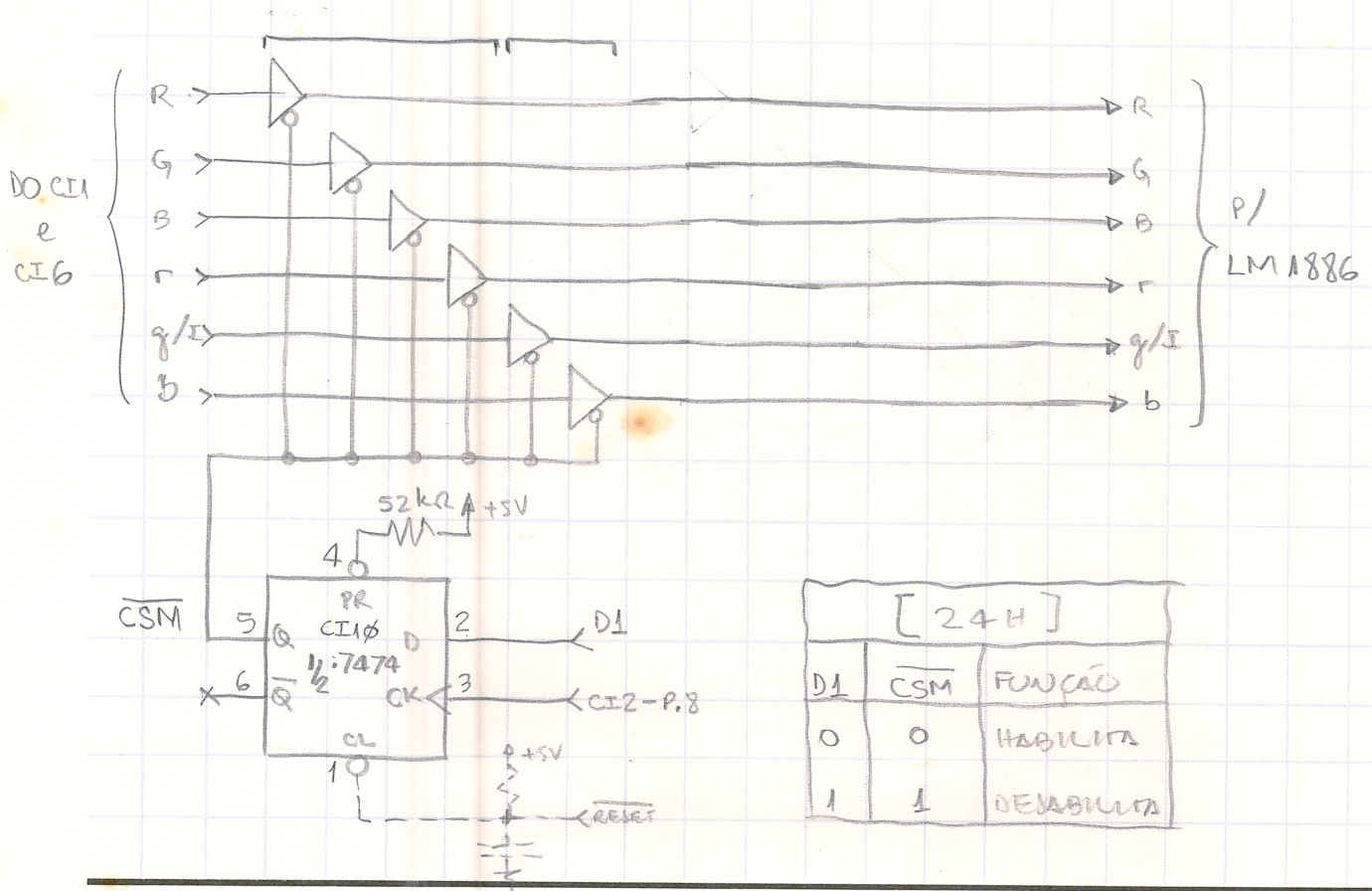


5. TRATAMENTO DOS SINAIS DE SINCRONISMO

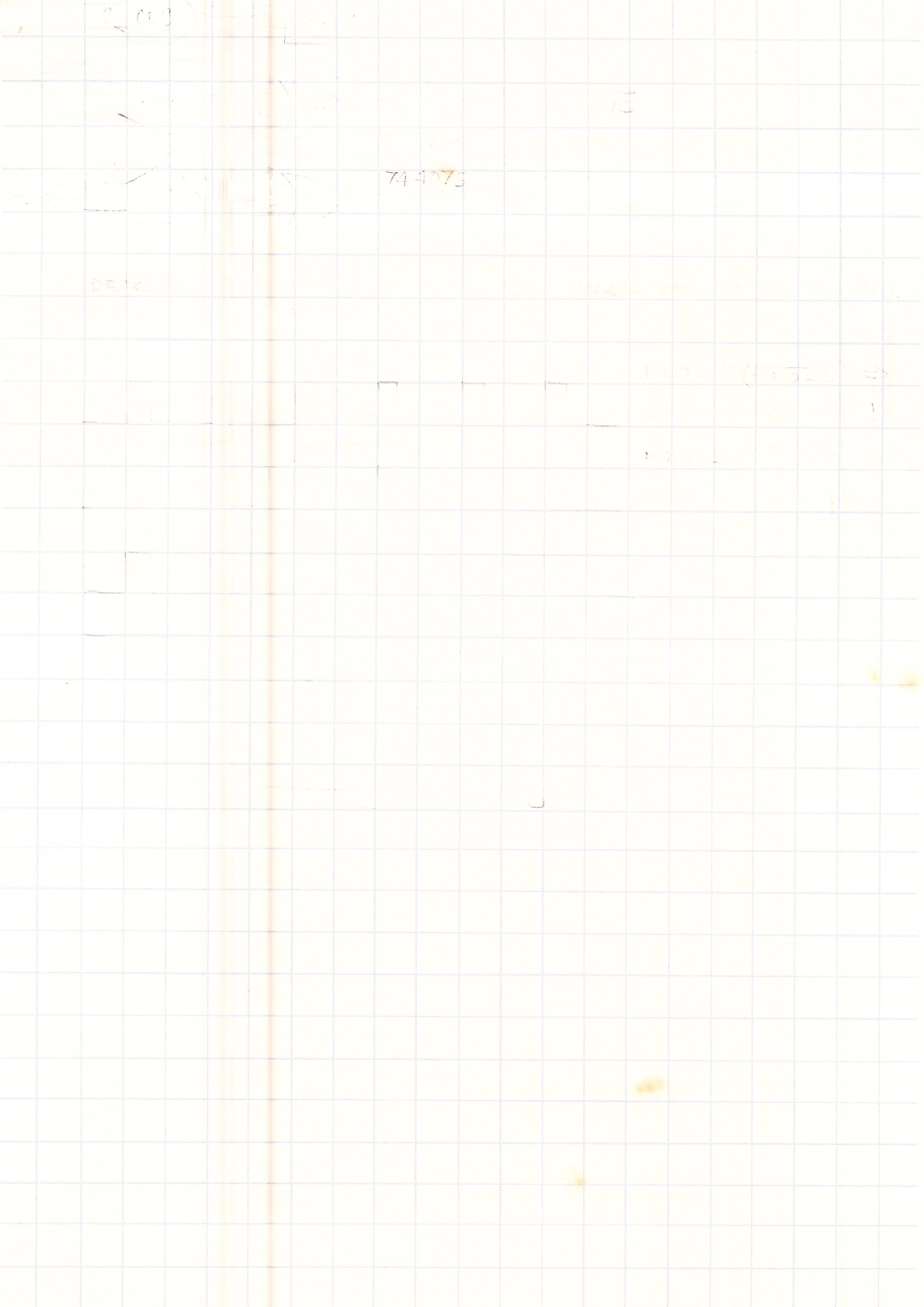


6. TRATAMENTO DOS SINAIS DE VÍDEO (2)

- compatibilização de atrasos;
- controle dos sinais p/ modulador



7. SIGNAL BURST GATE



CI	NOME	+5 V	TERRA	+12 V	$t_{prop.}$
1	7407	14	7	—	LH = 10ns HL = 30ns
2	74030	14	7	—	LH = 15ns HL = 20ns
3	7474	14	7	—	
4	74125	14	7	—	LH = 13ns HL = 18ns
5	74125	14	7	—	" "
6	74125	14	7	—	" "
7	555	8	1	—	
8	74265	16	8	—	18ns
9	74LS27	14	7	—	15ns
10	7474	14	7	—	
11	LM1886	20	10	5	
12	LM1889	—	5	14	