

$$C_5 = \begin{pmatrix} 0 & 1 & -1 & 0 \\ -1 & 1 & 0 & 0 \\ 1 & -1 & 0 & 0 \\ 0 & 0 & -1 & 1 \\ 0 & 0 & 1 & -1 \\ 0 & -1 & 1 & 0 \end{pmatrix} \quad X_0 = \begin{pmatrix} 0 \\ 0 \\ 1 \\ 1 \\ 0 \\ 1 \end{pmatrix}$$

$x_0 = 00110$   
 $\swarrow t_2$   
 $x_1 = 11010$

$\downarrow$   
 $R(\text{code}) = (10110)$   
 $x = 5$  word 0

$t_2 \downarrow$   
 $t_3 \swarrow$   
 Ric.  $x_1$  (w1010)  
 $t_2 \downarrow$   
 w0101  $t_4 \searrow$  (w1010) Già visto  
 w1001  $t_4 \searrow$  (w1010) Già visto  
 $t_1 \downarrow$   
 (w0101) Già visto

$$V_{\text{inco26}} \quad x(p_1) \leq 1 \rightarrow h^* x = (1 \ 0 \ 0 \ 0 \ 0) x \leq 1 = k \quad \forall x \in R(P_N)$$

$$C^T u - h^T C = (0 \ 1 \ -1 \ 0) \rightarrow (0 \ -1 \ 1 \ 0) \quad \text{con} \quad x_0(p_n) = K - h^T x_0 \approx 1$$

P - INV.

$$y^T C_{ST} = 0 \Rightarrow \begin{cases} y_3 - y_2 = 0 \\ y_1 + y_2 - y_3 - y_m = 0 \\ y_5 + y_m - y_1 - y_4 = 0 \\ y_4 - y_5 = 0 \end{cases} \Rightarrow \begin{cases} y_2 = y_3 \\ y_1 = y_m \\ y_4 = y_5 \end{cases} \rightarrow y = (A \ B \ B \ C \ C \ A)^T$$

 $7 - 122$ 

$C \leq \eta = 0$   
 $\eta_2 - \eta_3 \geq 0$   
 $\eta_2 - \eta_1 \geq 0$   
 ~~$\eta_1 - \eta_2 \geq 0$~~   
 $\eta_4 - \eta_3 \geq 0$   
 ~~$\eta_3 - \eta_4 \geq 0$~~   
 ~~$\eta_4 - \eta_2 \geq 0$~~

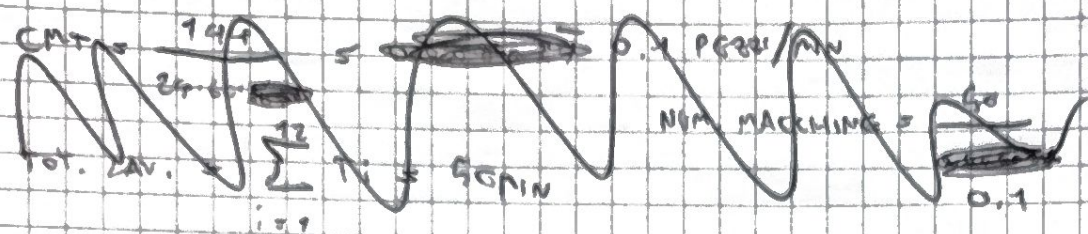
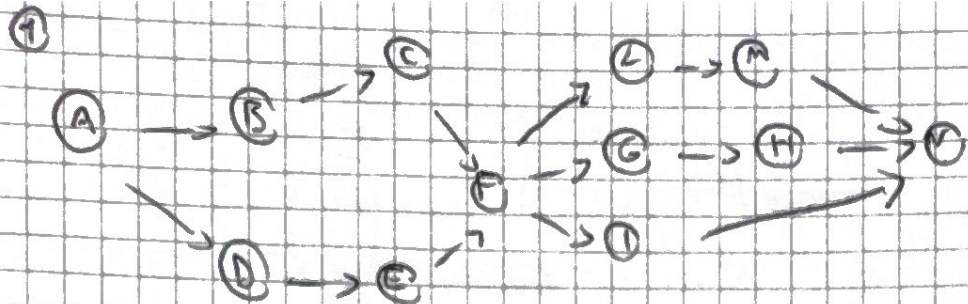
$\eta_2 \leq \eta_3$   
 $\eta_1 \leq \eta_2$   
 $\eta_4 \leq \eta_3$   
 ~~$\eta_2 \leq \eta_3$~~

$\rightarrow \eta = (1 \ 1 \ 1 \ 1)^T$

$$y_1 = (1 \ 0 \ 0 \ 0 \ 1)$$

RICORRENDO RETE  $\rightarrow$  CONSERVATIVA,  
LIMITATA





TASSE PROD. =  $144/24 = 0.1$  UNITA'/MINUTO

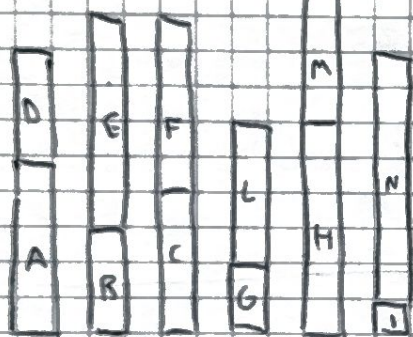
$$T_{MAX} = \sum_{i=1}^{12} T_i = 50 \text{ MIN}$$

$$CMT = 1/0.1 = 10 \text{ MIN} \rightarrow N = 50/10 = 5 \text{ MACCHINE}$$

RICORDO TABELLA

	A	D	B	E	C	F	G	L	H	M	I	N
DURATA	5	2	2	6	4	5	2	4	6	4	1	2
PWI	50	38	36	35	33	29	15	15	12	11	8	7
MACCHINA	1	1	2	2	3	3	4	4	5	5	6	6

$$\rightarrow T_i + \sum \text{TEMPO LAVORAZIONE} \text{ DA :}$$



$$\text{SBILANCIAMENTO } 5 + 2 + 4 + 1 + 1 + 2 = \frac{10}{6} = 100\%$$

SENZA BUFFER INTERMEDI IL PIÙ RAPIDO AVANZAMENTO SINCRONO DELLA LINEA SARÀ DI C E 510 MINUTI  
CON TEMPO DI PERMANENZA DI UN'UNITÀ DI 1 H

2

PORTA { OPEN, CLOSE }, SENSORE CHIUSURA

PIANO (1...N) CORRENTE

SU, GIÙ

PULSANTE (1...N) -> SWITCH; PER CAMBIARE PIANO -> SELECTED FLOOR (SF)

QUANDO ARRIVA A PIANO SF 00, APR. PORTE (5s), ASPETTA (5s), CHIUDI PORTE

STAZIONE

PORTA { APERTA, CHIUSA } CON SENSORE

PULSANTE CON LED

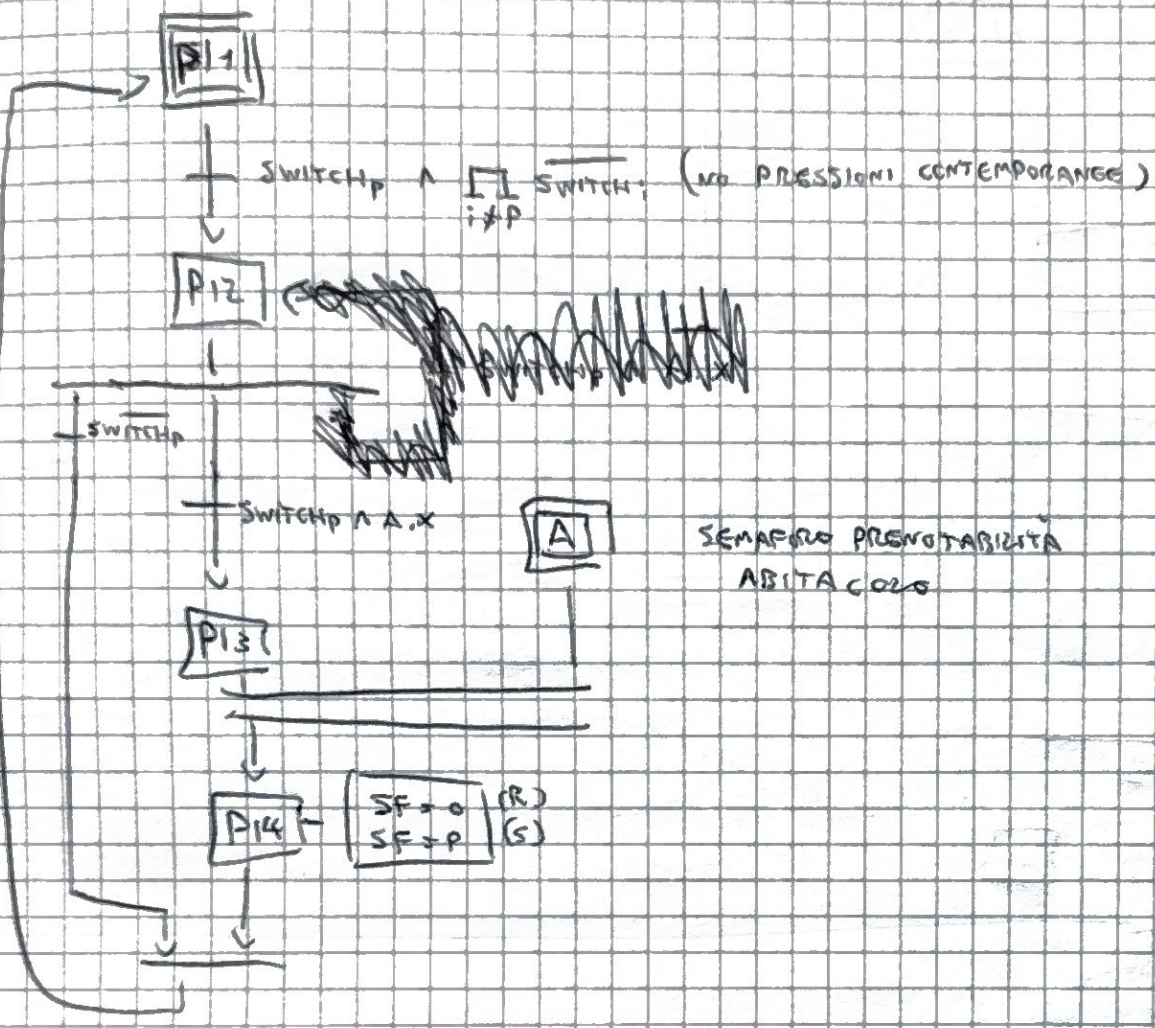
1 PRGNT. ALLA VOLTA, NO IN MOVIMENTO, NO CAMBIO TRA ARRIVO E CHIUSURA PORTE SOLO DA DENTRO



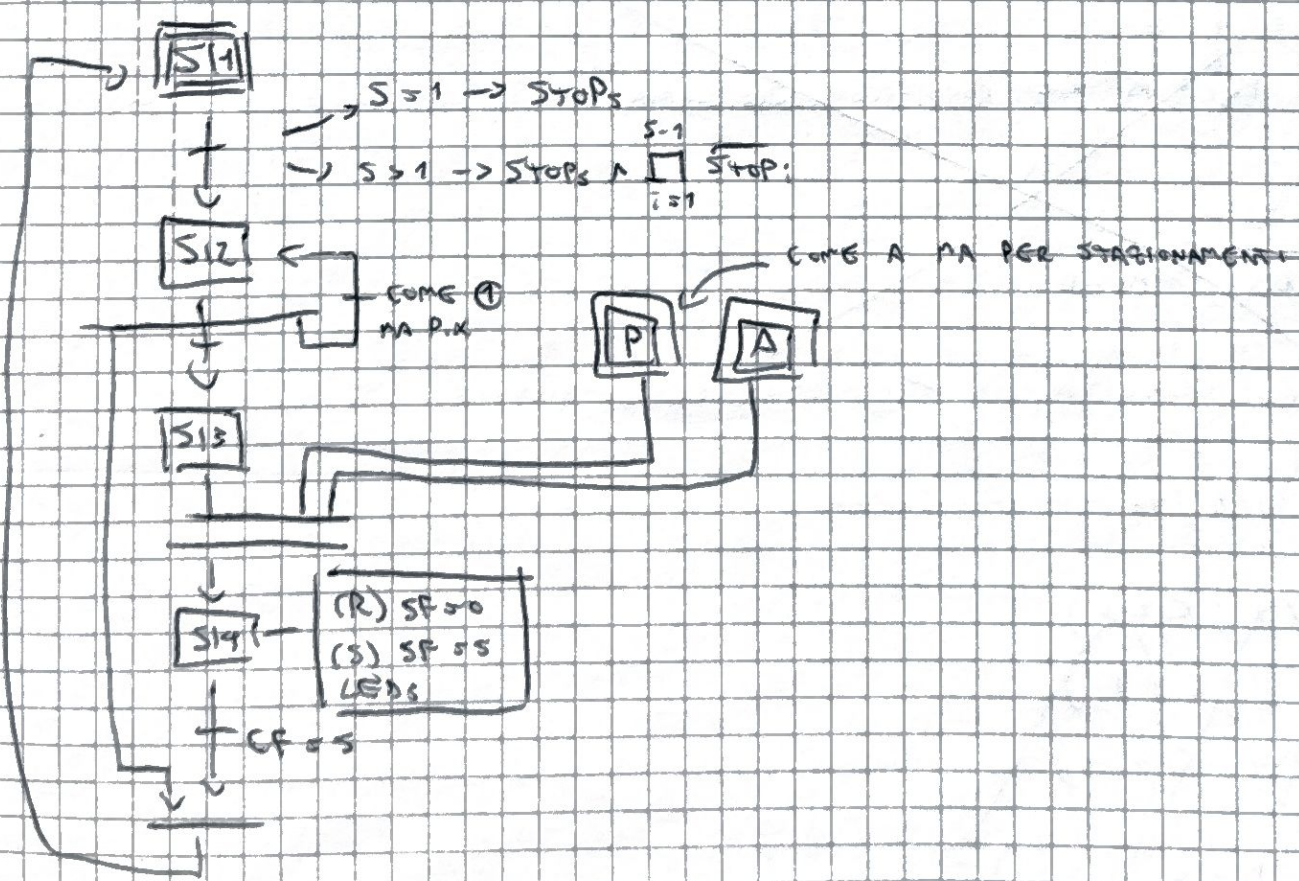
DIVISO:

- 1. PRENOT. DA DENTRO
- 2. DA STAZIONE
- 3. APERTURA/CHIUSURA PORTE
- 4. MOVIMENTO

1

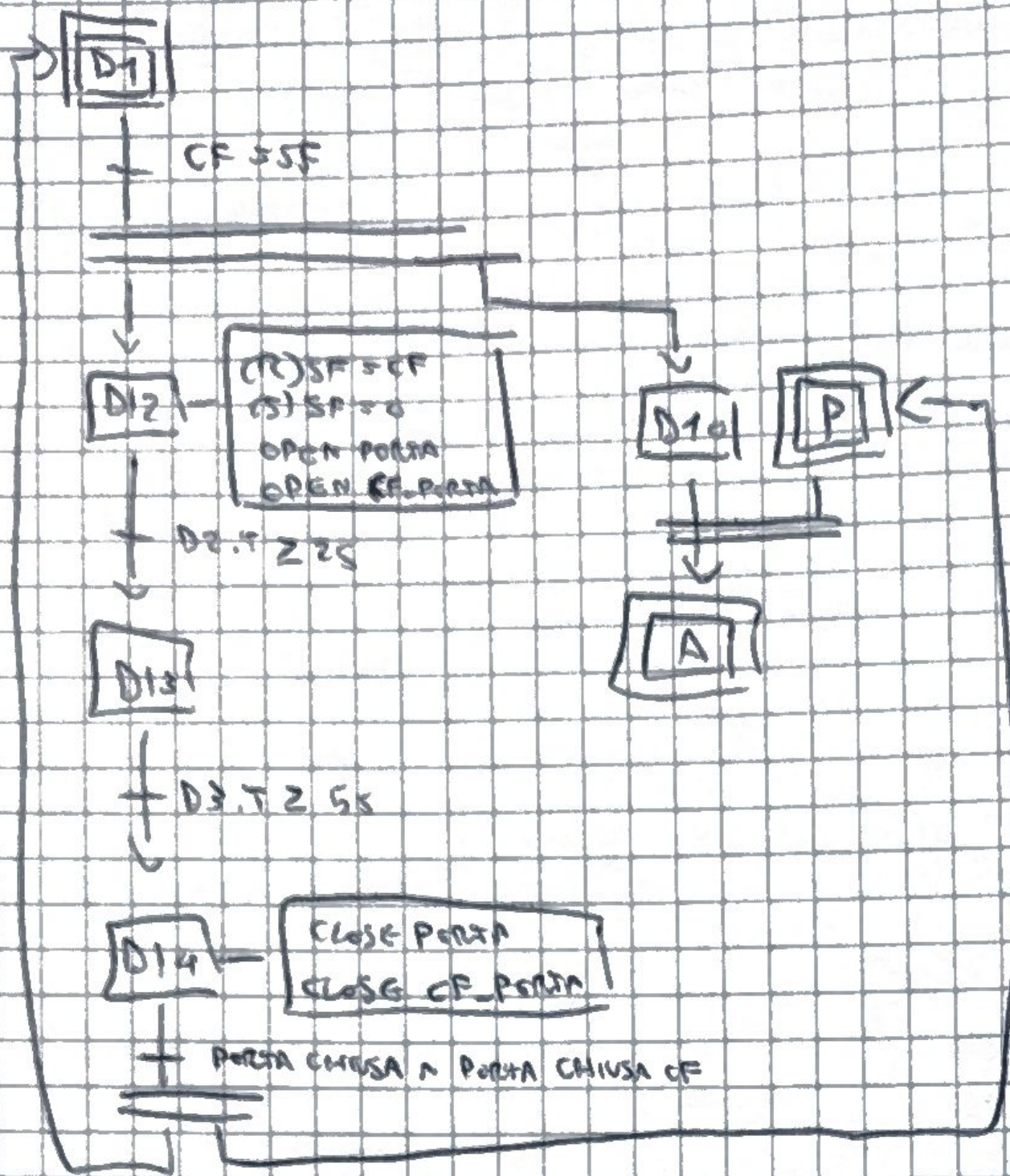


2





12



13

