

$\emptyset. (RDY_{in} = 0) \text{ map}, \emptyset$   
 (= 1)  $I+1 \rightarrow I, 1$

1.  $M[IN] \rightarrow X, IN \rightarrow TEMP, 2$

2. (sego  $(K-k)$ ,  $ACK_{out} = 0-$ )  $M[TEMP] + 1 \rightarrow M[TEMP]$ , set  $ACK_{in}$ , reset  $RDY_{in}$ ,  $\emptyset$   
 (= 11)  $M[X] \rightarrow OUT_m, I \rightarrow OUT_i$ ; set  $RDY_{out}$ , reset  $ACK_{out}$ , set  $ACK_{in}$ , reset  $RDY_{in}$ ,  $\emptyset$   
 (= 10) map, 2

$\emptyset. (RDY_{in} \neq \emptyset) \text{ map}, \emptyset$   
 (= 1)  $I+1 \rightarrow I, M[IN] \rightarrow X, IN \rightarrow TEMP, 2$

$$W(\emptyset.) = \{I, X, TEMP\}$$

$$R(2.) = \{X, K, TEMP, M, I\}$$

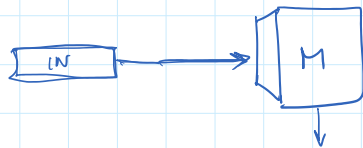
$\emptyset. (RDY_{in}, \text{sego}(M[IN]-k), ACK_{out} = 0--)$  map,  $\emptyset$

(= 110) map,  $\emptyset$

(= 10-)  $I+1 \rightarrow I, M[IN]+1 \rightarrow M[IN]$ , set  $ACK_{in}$ , reset  $RDY_{in}$ ,  $\emptyset$

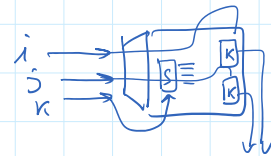
(= 111)  $I+1 \rightarrow I, M[IN] \rightarrow OUT_m, I+1 \rightarrow OUT_i$ , set -----,  $\emptyset$

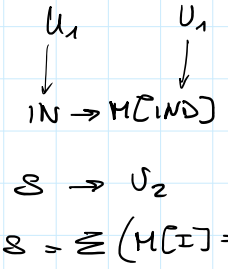
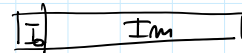
condizione di completata? (Po è una rete di Moore?)



OK

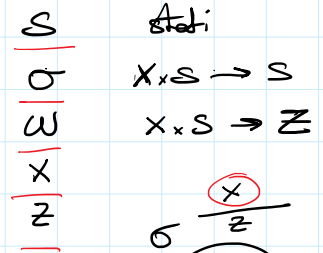
$$R[i] + R[j] \rightarrow R[k]$$



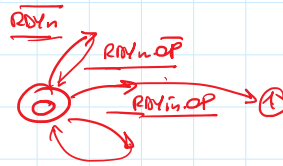


- $S_0$   $\emptyset$ . (RDY<sub>IN</sub>, OP =  $\emptyset$  -) nop,  $\emptyset$   $z_1$   
 (= 10) reset RDY<sub>in</sub>, set ACK<sub>in</sub>,  $\emptyset \rightarrow I$ ,  $\emptyset \rightarrow S$ , 1  $z_2$   
 (= 11) " " " " , IN  $\rightarrow$  M[IND],  $\emptyset$   $z_3$
- $S_1$  1. ( $I_0$ , OR [M[I<sub>m</sub>]], ACK<sub>out</sub> = 00 -)  $I+1 \rightarrow I$ , 1  $z_4$   
 (= 01 -)  $I+1 \rightarrow I$ ,  $S + M[I_m] \rightarrow S$ , 1  $z_5$   
 (= 1 - 0) nop, 1  $z_6$   
 (= 1 - 1) set RDY<sub>out</sub>, reset ACK<sub>out</sub>,  $S \rightarrow OUT$ ,  $\emptyset$ .  $z_7$

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- $S = \{ \emptyset, 1 \}$
- $X = \{ \overset{x_0}{RDY_{IN}}, \overset{x_1}{RDY_{IN} OP}, \overset{x_2}{RDY_{IN} OP}, \overset{x_3}{I_0 OR}, \overset{x_4}{I_0 OR}, \overset{x_5}{I_0 ACK_{in}}, \overset{x_6}{I_0 ACK_{in}} \}$
- $Z = \{ \text{cond di: } \left. \begin{array}{l} \alpha_{KI} \quad \alpha_{KS} \\ \beta_{RDY_{in}} \quad \beta_{ACK_{in}} \\ \beta_{RDY_{out}} \quad \beta_{ACK_{out}} \quad \beta_I \quad \beta_S \quad \beta_{IN} \quad \beta_{OUT} \end{array} \right\}$



$z_3 = \beta_{RDY_{in}} = \beta_{ACK_{in}} = \beta_I = \beta_S = 1$   
 $\beta_{RDY_{out}} = \beta_{ACK_{out}} = \beta_{IN} = \beta_{OUT} = 0$   
 $\alpha_{KI} = \alpha_{KS} = \emptyset$

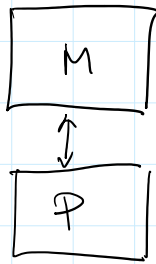
$\sigma =$

	$x_0$	$x_1$	$x_2$	$x_3$	$x_4$	$x_5$	$x_6$
$S_0$	$S_0$	$S_1$	$S_0$	-	-	-	-
$S_1$	-	-	-	$S_1$	$S_1$	$S_1$	$S_\emptyset$

$\omega$

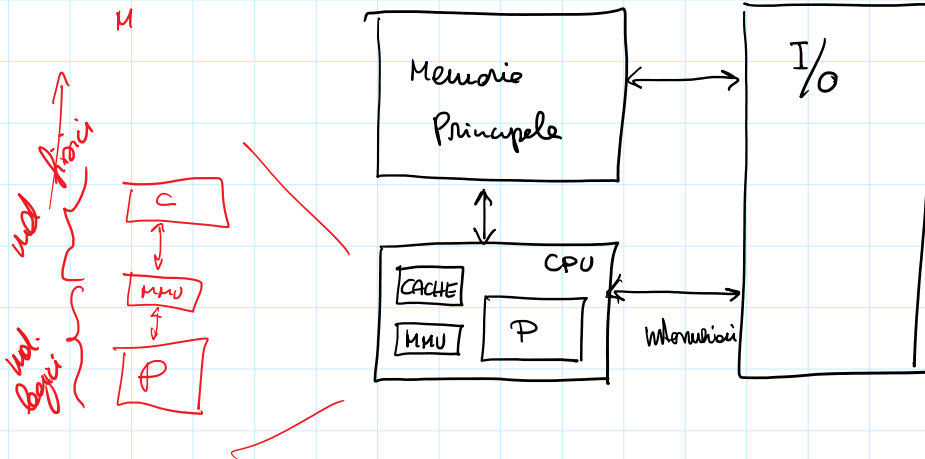
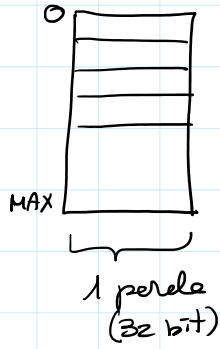
	$x_2$
$S_0$	$z_3$
$S_1$	$z_x$





M:: while (true) {  
 accettano un richiesta } lettura  
 & eseguono } scrittura } del P  
 restituiscono un risultato


P:: while (true) {  
 prende un'istruzione } leg. macchina  
 & esegue } assembler } delle M  
 scrive i risultati.  
gestione interruzione





## INDIRETTO

usa un reg x indicare l'indirizzo in memoria dove  
trovare il dato

  
non è D-RISC

ADD (R1), R2, R3

$M[REG[1]] + REG[2] \rightarrow REG[3]$

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