

POSIZIONE DEL PROBLEMA
IN FORMA LETTERALE



INDIVIDUAZIONE DEL
NUMERO DELLE
MEMORIE AUSILIARIE



STESURA DEL DIAGRAMMA
DELLE FASI



STESURA DELLA TABELLA
DI COMANDO



INDIVIDUAZIONE DELLE
FUNZIONI DI ATTIVAZIONE
E DI DISATTIVAZIONE



COSTRUZIONE
DELL'AUTOMATISMO

STATO	A	B
0	0	0
1	0	1
2	1	1
3	0	1
4	1	0
5	0	0

Fig. AL3.60

STATO	A	B	M
0	0	0	0
1	0	1	0
2	1	1	1
3	0	1	1
4	1	0	0
5	0	0	0

Fig. AL3.61

STATO	A	B
0	0	0
1	0	1
2	1	1
3	1	0
4	0	0

Fig. AL3.62

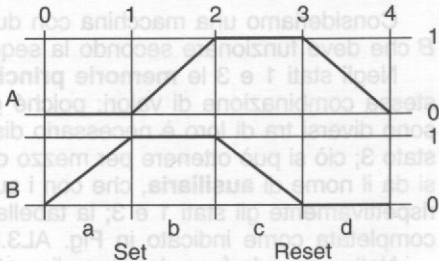
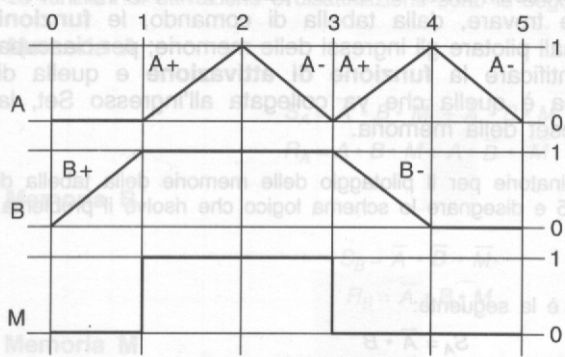


Fig. AL3.63



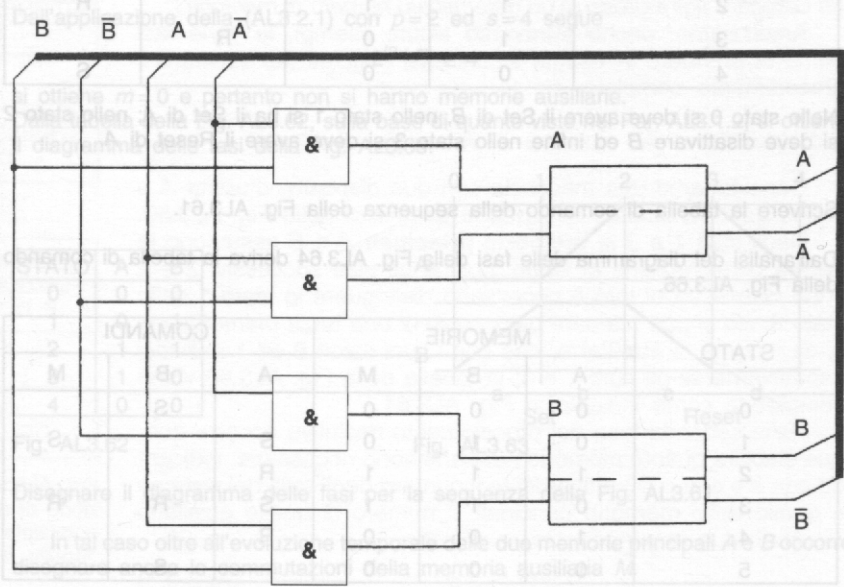
FASI E COMMUTAZIONI

COMMUTAZIONI

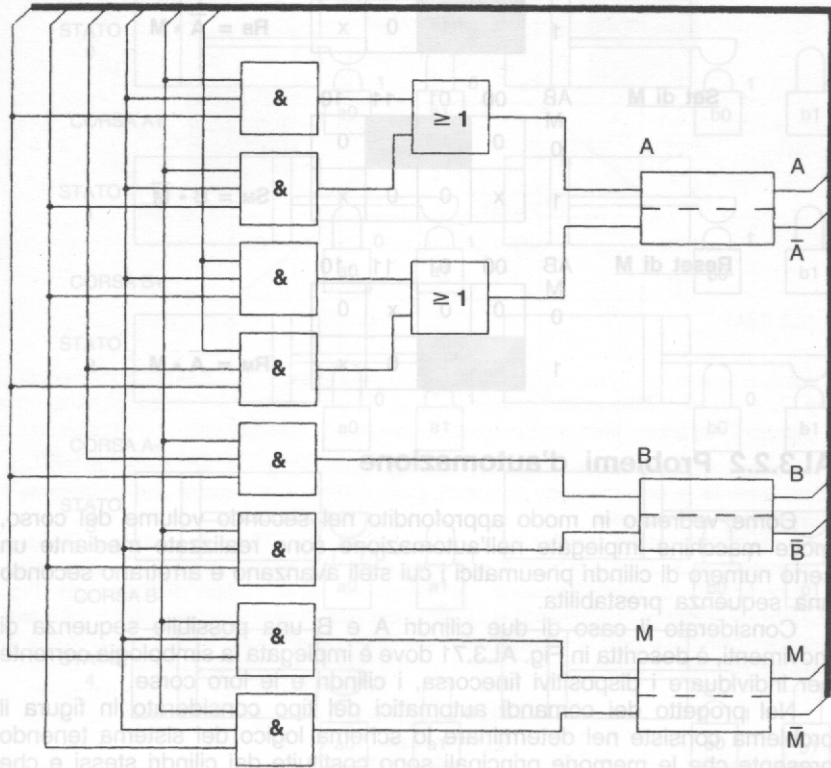
Fig

STATO	MEMORIE		COMANDI	
	A	B	A	B
0	0	0		S
1	0	1	S	
2	1	1		R
3	1	0	R	
4	0	0		S

STATO	MEMORIE			COMANDI		
	A	B	M	A	B	M
0	0	0	0		S	
1	0	1	0	S		S
2	1	1	1	R		
3	0	1	1	S	R	R
4	1	0	0	R		
5	0	0	0		S	



\bar{M} M \bar{B} B A A



Set di A

AB	00	01	11	10
M				
0	0	1	x	0
1	x	1	0	x

$$S_A = \bar{A} * B$$

Reset di A

AB	00	01	11	10
M				
0	0	0	x	1
1	x	0	1	x

$$R_A = A$$

Set di B

AB	00	01	11	10
M				
0	1	0	x	0
1	x	0	0	x

$$S_B = \bar{A} * \bar{B}$$

Reset di B

AB	00	01	11	10
M				
0	0	0	x	0
1	x	1	0	x

$$R_B = \bar{A} * M$$

Set di M

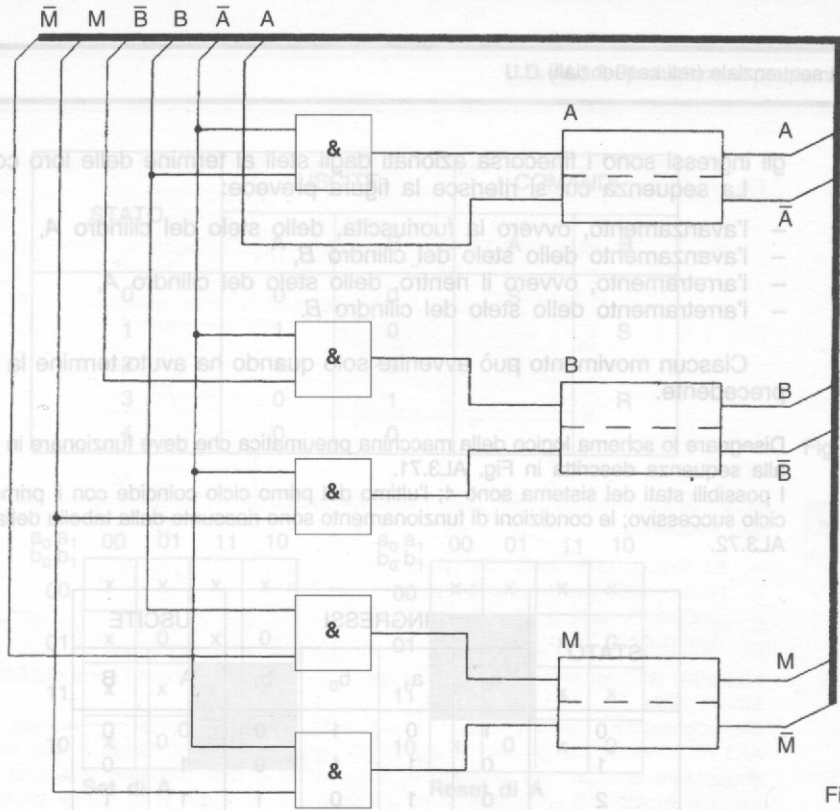
AB	00	01	11	10
M				
0	0	1	x	0
1	x	0	0	x

$$S_M = B * \bar{M}$$

Reset di M

AB	00	01	11	10
M				
0	0	0	x	0
1	x	1	0	x

$$R_M = \bar{A} * M$$

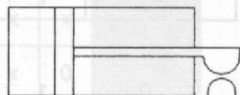


Fig

CILINDRO A

CILINDRO B

STATO
0



1

0

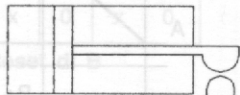
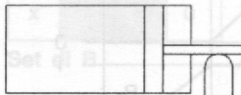
1

0

CORSA A+



STATO
1



0

1

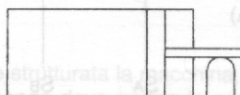
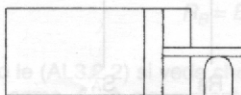
1

0

CORSA B+



STATO
2



0

1

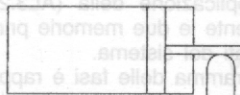
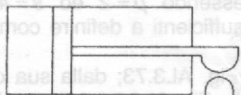
0

1

CORSA A-



STATO
3



0

1

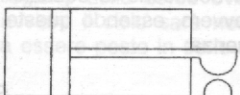
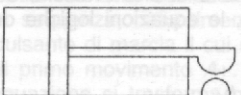
1

0

CORSA B-



STATO
4



1

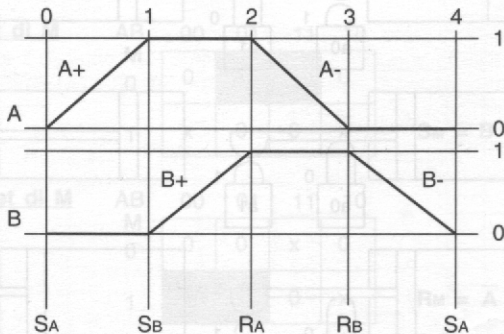
0

1

0



STATO	INGRESSI				USCITE	
	a ₀	a ₁	b ₀	b ₁	A	B
0	1	0	1	0	0	0
1	0	1	1	0	1	0
2	0	1	0	1	1	1
3	1	0	0	1	0	1
4	1	0	1	0	0	0



STATO	USCITE		COMANDI	
	A	B	A	B
0	0	0	S	
1	1	0		S
2	1	1	R	
3	0	1		R
4	0	0		

$a_0 a_1$ $b_0 b_1$	00	01	11	10
00	x	x	x	x
01	x	0	x	0
11	x	x	x	x
10	x	0	x	1

Set di A

$a_0 a_1$ $b_0 b_1$	00	01	11	10
00	x	x	x	x
01	x	1	x	0
11	x	x	x	x
10	x	0	x	0

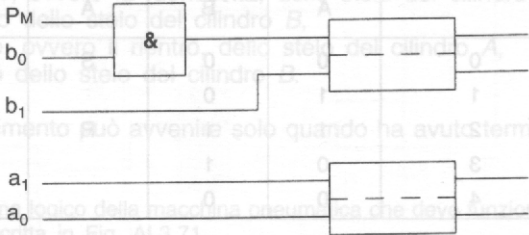
Reset di A

$a_0 a_1$ $b_0 b_1$	00	01	11	10
00	x	x	x	x
01	x	0	x	0
11	x	x	x	x
10	x	1	x	0

Set di B

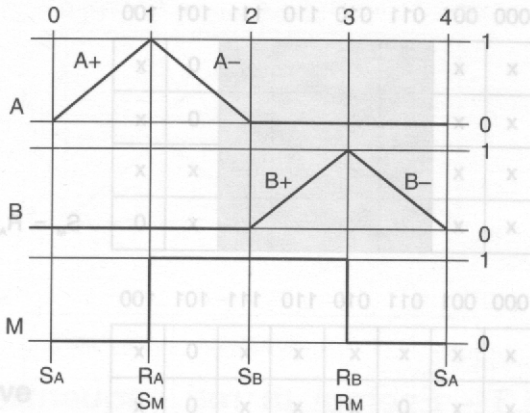
$a_0 a_1$ $b_0 b_1$	00	01	11	10
00	x	x	x	x
01	x	0	x	1
11	x	x	x	x
10	x	0	x	0

Reset di B



STATO	INGRESSI				USCITE	
	a_0	a_1	b_0	b_1	A	B
0	1	0	1	0	0	0
1	0	1	1	0	1	0
2	1	0	1	0	0	0
3	1	0	0	1	0	1
4	1	0	1	0	0	0

STATO	INGRESSI				USCITE		
	a_0	a_1	b_0	b_1	M	A	B
0	1	0	1	0	0	0	0
1	0	1	1	0	1	1	0
2	1	0	1	0	1	0	0
3	1	0	0	1	0	0	1
4	1	0	1	0	0	0	0



STATO	MEMORIE			COMANDI		
	M	A	B	M	A	B
0	0	0	0		S	
1	1	1	0	S	R	
2	1	0	0			S
3	0	0	1	R		R
4	0	0	0			

$a_0 a_1 b_0$ 000 001 011 010 110 111 101 100

$b_1 M$

0 0

x	x	x	x	x	x	0	x
x	x	1	x	x	x	0	x
x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	0

0 1

1 1

1 0

$$S_M = R_A = a_1$$

$a_0 a_1 b_0$ 000 001 011 010 110 111 101 100

$b_1 M$

0 0

x	x	x	x	x	x	0	x
x	x	0	x	x	x	0	x
x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	1

0 1

1 1

1 0

$$R_M = R_B = b_1$$

a_0	a_1	b_0	000	001	011	010	110	111	101	100
0	0	M	x	x	x	x	x	x	1	x
0	1	M	x	x	0	x	x	x	0	x
1	1	M	x	x	x	x	x	x	x	x
1	0	M	x	x	x	x	x	x	x	0

$$S_A = \bar{b}_1 * \bar{M}$$

a_0	a_1	b_0	000	001	011	010	110	111	101	100
0	0	M	x	x	x	x	x	x	0	x
0	1	M	x	x	0	x	x	x	1	x
1	1	M	x	x	x	x	x	x	x	x
1	0	M	x	x	x	x	x	x	x	0

$$S_B = \bar{a}_1 * M$$

