

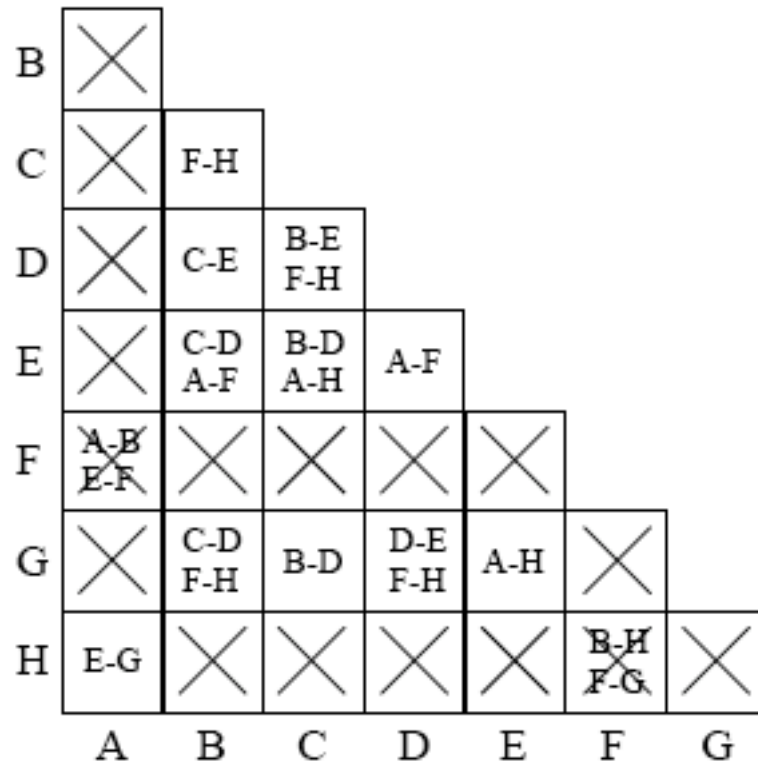
# Esempio Minimizzazione

(partendo dalla rappresentazione  
tabulare)

# Esempio (tabella stati futuri)

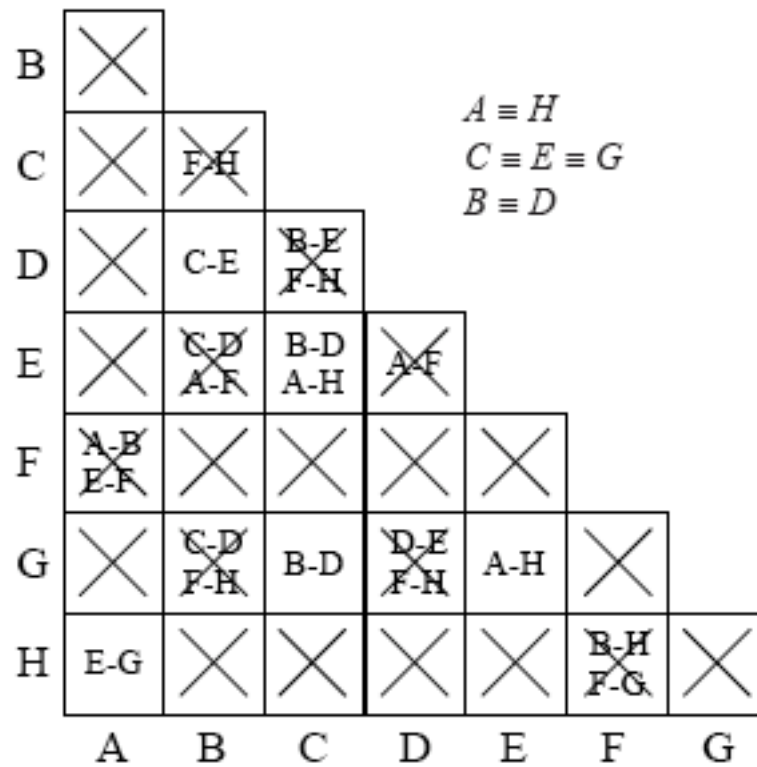
$S(t_i)$	$S(t_{i+1}), o(t_{i+1})$ $X=0$	$S(t_{i+1}), o(t_{i+1})$ $X=1$
A	A/1	E/0
B	C/0	F/0
C	B/0	H/0
D	E/0	F/0
E	D/0	A/0
F	B/1	F/0
G	D/0	H/0
H	H/1	G/0

# Primo passo



$S(t_i)$	$S(t_{i+1}), o(t_{i+1})$ X=0	$S(t_{i+1}), o(t_{i+1})$ X=1
A	A/1	E/0
B	C/0	F/0
C	B/0	H/0
D	E/0	F/0
E	D/0	A/0
F	B/1	F/0
G	D/0	H/0
H	H/1	G/0

# Secondo passo



$S(t_i)$	$S(t_{i+1}), o(t_{i+1})$ X=0	$S(t_{i+1}), o(t_{i+1})$ X=1
A	A/1	E/0
B	C/0	F/0
C	B/0	H/0
D	E/0	F/0
E	D/0	A/0
F	B/1	F/0
G	D/0	H/0
H	H/1	G/0

# Nuova tabella degli stati

	X=0	X=1
A	A/1	C/0
B	C/0	F/0
C	B/0	A/0
F	B/1	B/0

$A \equiv H$   
 $C \equiv E \equiv G$   
 $B \equiv D$

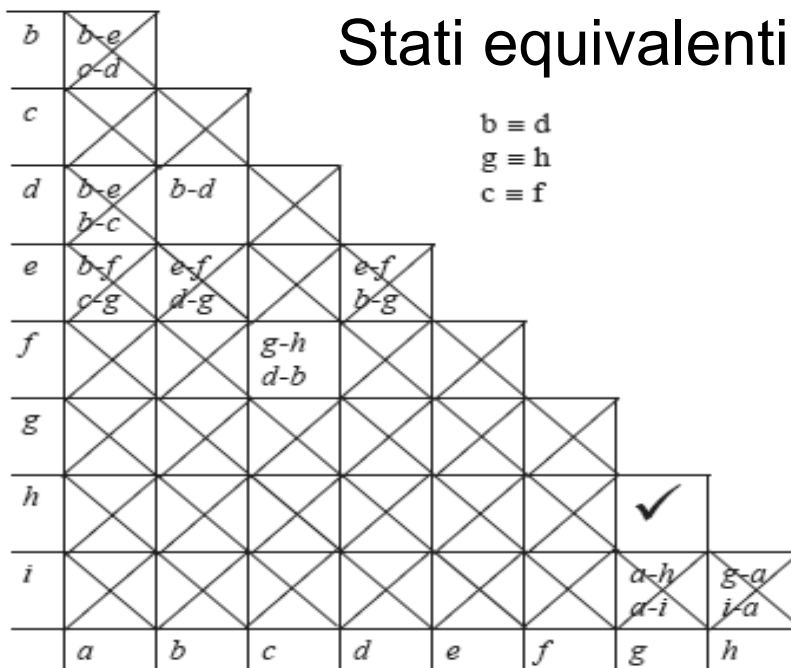
S(ti)	S(ti+1), o(ti+1) X=0	S(ti+1), o(ti+1) X=1
A	A/1	E/0
B	C/0	F/0
C	B/0	H/0
<del>D</del>	<del>E/0</del>	<del>F/0</del>
<del>E</del>	<del>D/0</del>	<del>A/0</del>
F	B/1	F/0
<del>G</del>	<del>D/0</del>	<del>H/0</del>
<del>H</del>	<del>H/1</del>	<del>G/0</del>

# Esempio 2

	Stato futuro		Output	
	X=0	X=1	X=0	X=1
a	b	c	1	0
b	e	d	1	0
c	g	d	1	1
d	e	b	1	0
e	f	g	1	0
f	h	b	1	1
g	h	i	0	1
h	g	i	0	1
i	a	a	0	1

# Soluzione

Stati equivalenti



ESERCIZIO 4

	Stato futuro		Output	
	X=0	X=1	X=0	X=1
a	b	c	1	0
b	e	d	1	0
c	g	d	1	1
d	e	b	1	0
e	f	g	1	0
f	h	b	1	1
g	h	i	0	1
h	g	i	0	1
i	a	a	0	1

State	Next State		Z	
	X=0	X=1	X=0	X=1
a	b	c	1	0
b	e	b	1	0
c	g	b	1	1
e	c	g	1	0
g	g	i	0	1
i	a	a	0	1