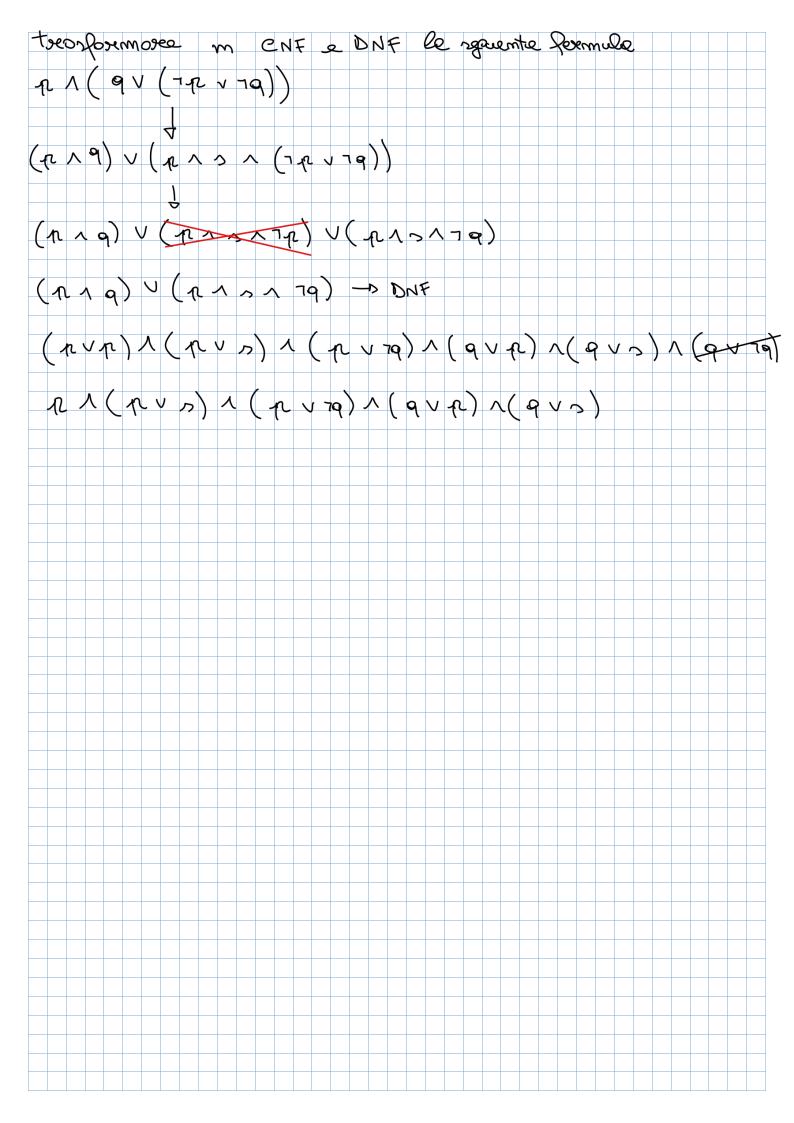
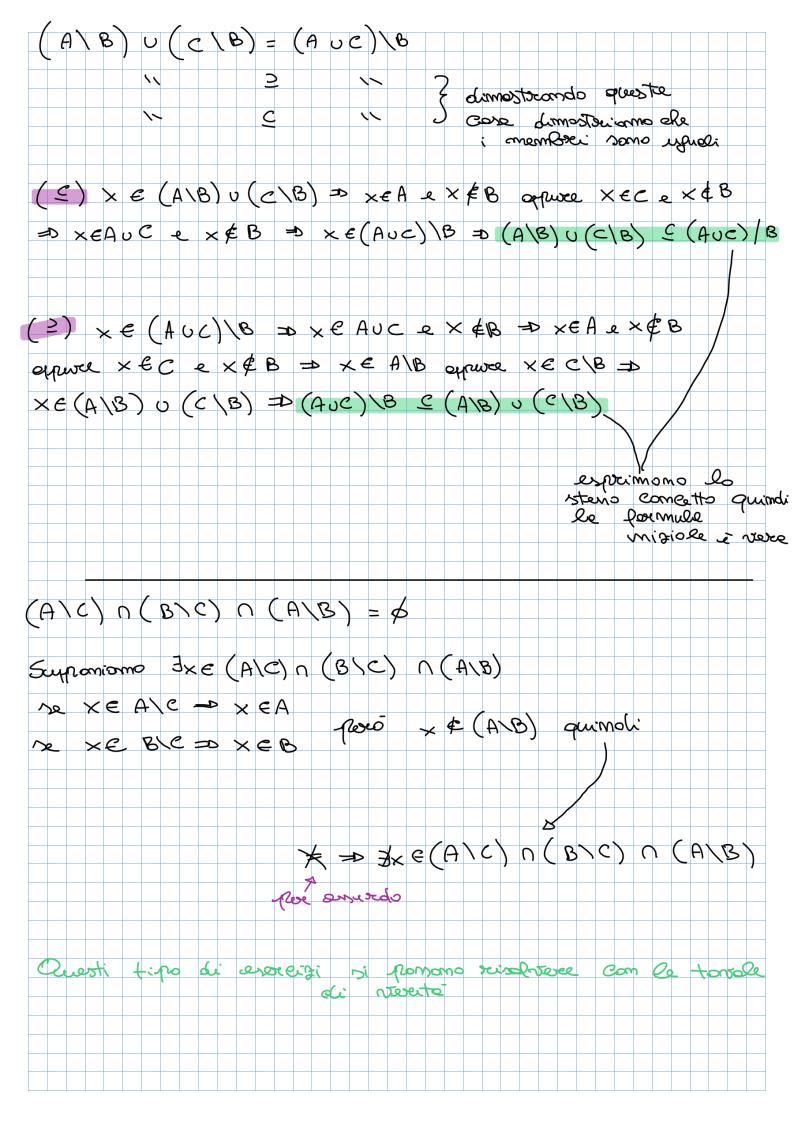
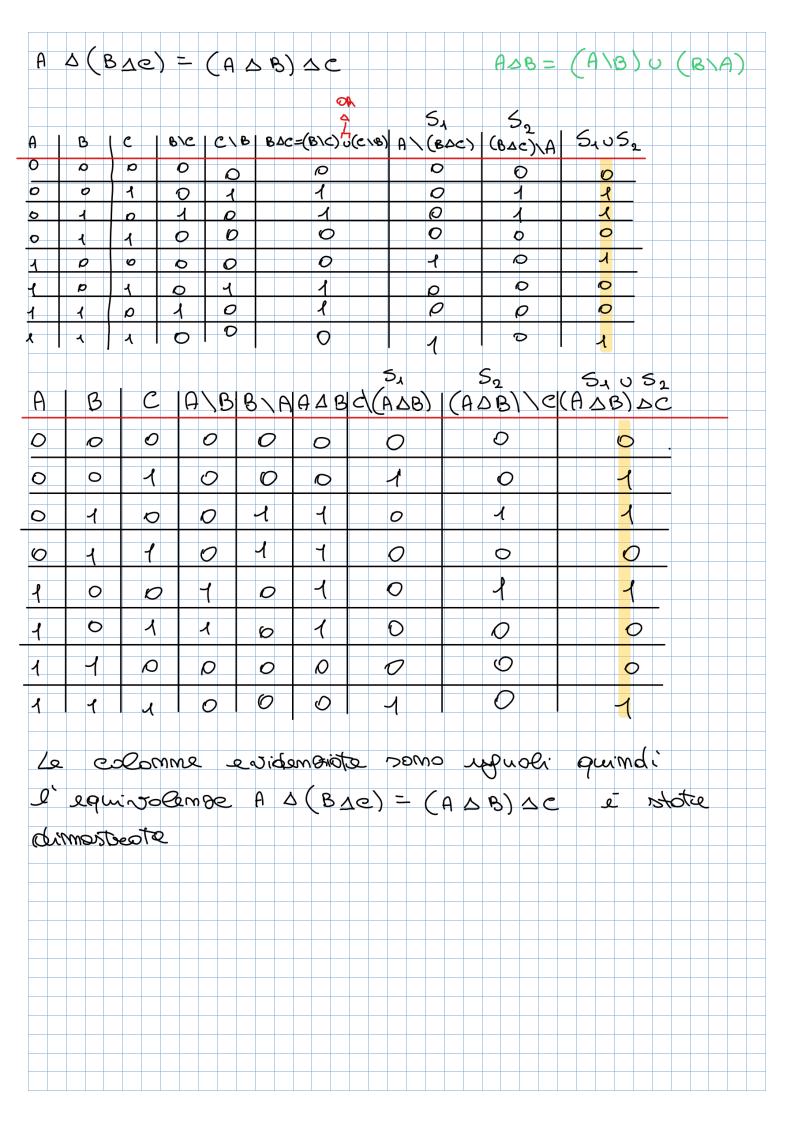
1	V 9	V (r A						
p	9	મ	ゝ	5,= 10 ond 5	5, 0	y q Ø	en		
0	0	0	0	0		0			
0	0	0	4	0		0			
0	0	1	0	O		0			
0	0	1	Y	1		1			
D	٨	0	0	0		4			
0	1	0	1	0		1			
o	1	1	0	ю		1			
0	1	1	1	1		1			
1	0	0	O	0		4			
1	0	J	1	0		4			
4	O	4	0	0		7			
1	0	1	4	1		4			
1	1	0	0	6		1			
1	1	0	1	0		1			
4	1	1	۵	O		1			
1	4	1	1	1		1			
		l							
						•			







```
Trosposeme un CNF e DNF: 7 (AD (AN NO))) (SLIDE 30)
n= 9= 12 19
-(-AV(AV(XV2)))
p 17 (91 (7Vs))
p 1 79 V7 (xv3)
p179 V7K175
                                       DNF
                                n 1 79 V(1 K 1 75)
p 1 79 V 7 x 1 75
                               (n, 79) V (p, 17, 17)
m 1 (79 V 18) 1 (79 V 75)
SLIDE 64
(A \setminus B) \cap (C \setminus B) = (A \cap C) \setminus B
(E) Sie x E(A)B) N(C)B) = (ANC)B =D x EA e x EC mo x & B
=0 × € (AnB)\B
(2) Sie × E(Anc) B = > × EA e × EC e × EB = > × E(AB) &
\times \in (C/B) = 0 \times (A/B) \cap (C/B)
ge primo membro - contenuto nal secondo e vi carevas
quindi sono upuoli
```

```
(A \backslash B) \cup (B \backslash A) = (A \cup B) \setminus (A \cap B)
\geq Sie \times e(A \backslash B) \cup (B \backslash A) = D \times eA = \times eB = D \times e(A \cup B) = Xe(A \cap B)
⇒ × € (A UB) \ (A ∩B)
C Sie x E (AUB) (ANB) => x e (AUB) e x & (ANB)
```

```
RIFL (X,X) ER
 Simm (x,y) ∈ R (y,x) ∈ R
 TRANS (x,y) ER (y,2) ER =0 (x, ) ER
 R = { (1, 2), (2, 2), (3, 4), (4, 3) }
 mon à reilleniere parche mon sons tutti X,X
 non e simmetre ce par che mon tutti honno il coro sommetre co
 R = {(1, 2), (2,5), (1,5) }
 ownthouse smain new - a classe
 Re rifler, sim, teams
 Résillers, sinn, treams

Rose reill? sinn? e troms?
 vereilice xelanisite
 (x,x)ER e (x,x)ES => (x,x)ERUS => RUS => reifleminse
                              => (x,x) @ RAS => RAS e reifemine
vocifice simmethere
(x,y) ER e (y,x) ER
                             = 0(x,y) \in R \cap S^{2}(y,x) \in R \cap S
(x,y) \in R \cup S = (y,x) \in R \cup S \quad R \cap S = simm
(x,y) e5 e (y,x) e5
                                                           > RUS & simm
 Se (x, y) ER e (3,2) ER = (x,2) ER -> Somo treoms
5e (x, y) € 5 e (3,2) € 5 => (x,2) € 5 -> Somo tocom
    (x,y) ER nS & (4,2) ER nS => (x,2) ER nS = R nS = trams
 Rus à transitive? Soprimo che à Polse quinoli controccompis
 Q = \left\{ \begin{pmatrix} 1 & 1 \\ 2 & 1 \end{pmatrix}, \begin{pmatrix} 2 & 3 \\ 2 & 2 \end{pmatrix}, \begin{pmatrix} 1 & 3 \\ 2 & 2 \end{pmatrix} \right\} - D + trans
                                                RUS -0 ??
 5 = \{(3,4), (4,5), (3,5)\} + 5
```

