







```
Trosposeme un CNF e DNF: 7 (AD (AN (NN))) (SLIDE 30)
n= 9= 1 R V 9
7(7 RV(9 N(RVS)))
p 1 7 (91 (nvs))
p 1 79 V7 (xv3)
p179 V7K175
     CNF
                                       DNF
                                n179 V(1K 175)
p 1 79 V 7 x 1 75
                               (n, 19) V (n, 1, 1, 1, 1)
n 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)
Il peimo membro i contenuto nel secondo e vi curerese
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) \Rightarrow D \times eA = \times eB \Rightarrow \times e(A \cup B) = \times e(A \cap B)
>> € (A UB) \ (A ∩B)
C Sie x E (AUB) (ANB) => x E (AUB) e x & (ANB)
=D × eA opp x eB = x e A NB

The x eA x eB = x e (A\B) opp x e (B\A) => x e (A\B) \( \mathred{B} \)

The x eB x eB = x eA = x eB = x e (A\B) opp x e (B\A) => x e (A\B) \( \mathred{B} \)
```

```
RIFL (X,X) ER
SIMM (X,Y) ER (Y,X) ER
 TRANS (x,y) ER (y,2) ER =0 (x, ) ER
R = { (1, 2), (2,2), (3,4), (4,3) }
 mon à reilleniere parche mon some tutti X,X
 nom e Simmetre es parche mon tutti homma il loro simmetre es
R = {(1,2),(2,5),(1,5)}
 ownthmart emsion new - a classe
 Re rifler, sim , teams
 Révillers, sinn, treams Proserville ? 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) & RNS & (y,x) & RNS & RNS & simm
(x,y) €5 e (y,x) € 5
                                                 > 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 5 è transitive? Sogniamo che è (Polse) quimoli controccions
 e = \{(1,2), (2,3), (1,3)\} - b trans
                                         Rus -0 ??
 5 = \{(3,4), (4,5), (3,5)\} \rightarrow tromo
```

