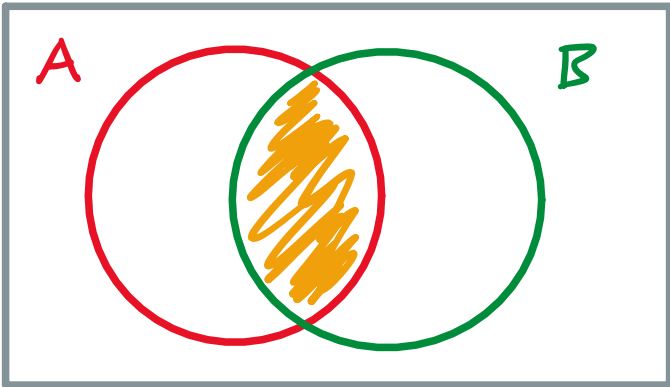
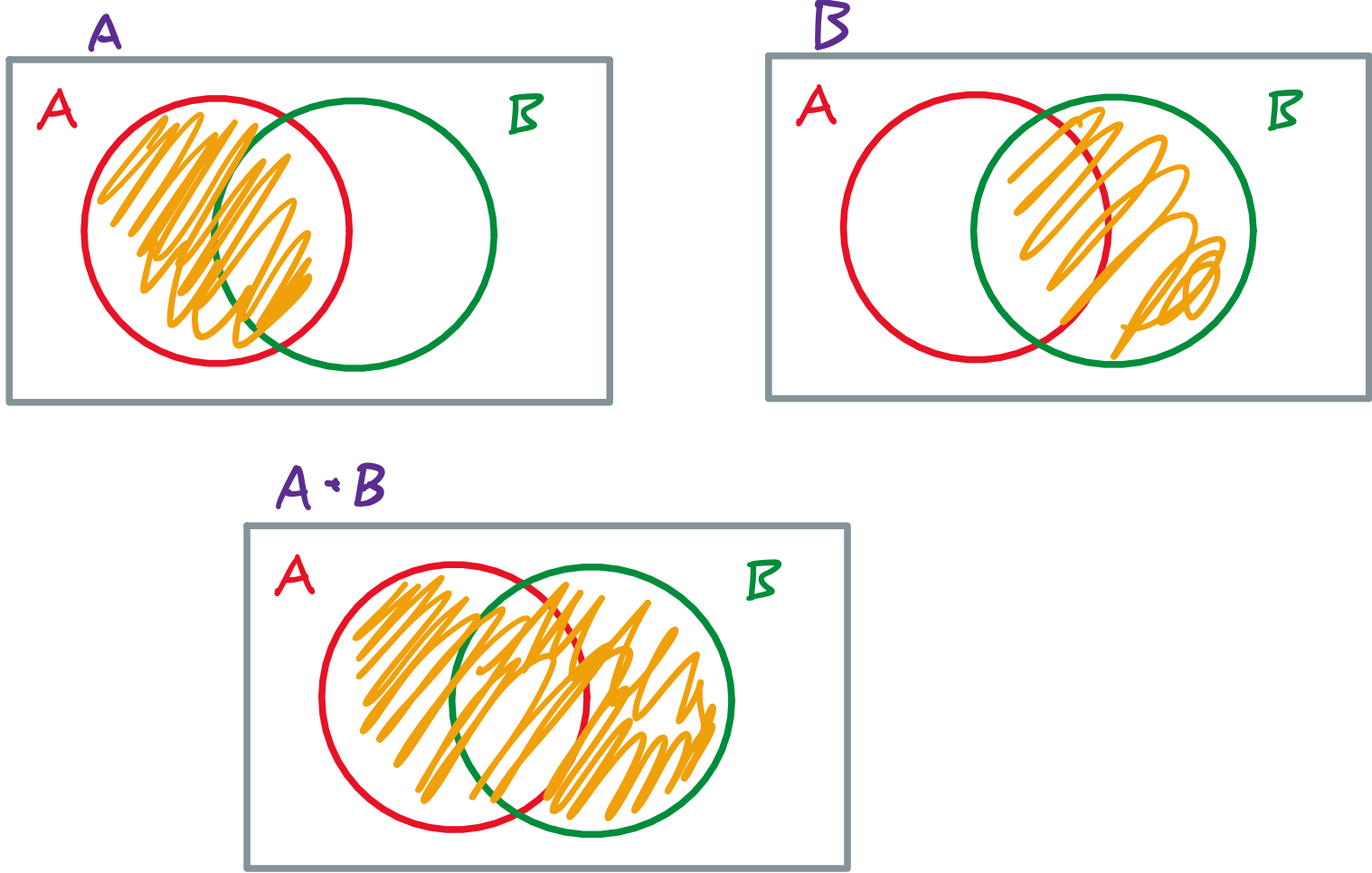


7) Logical Conjunction

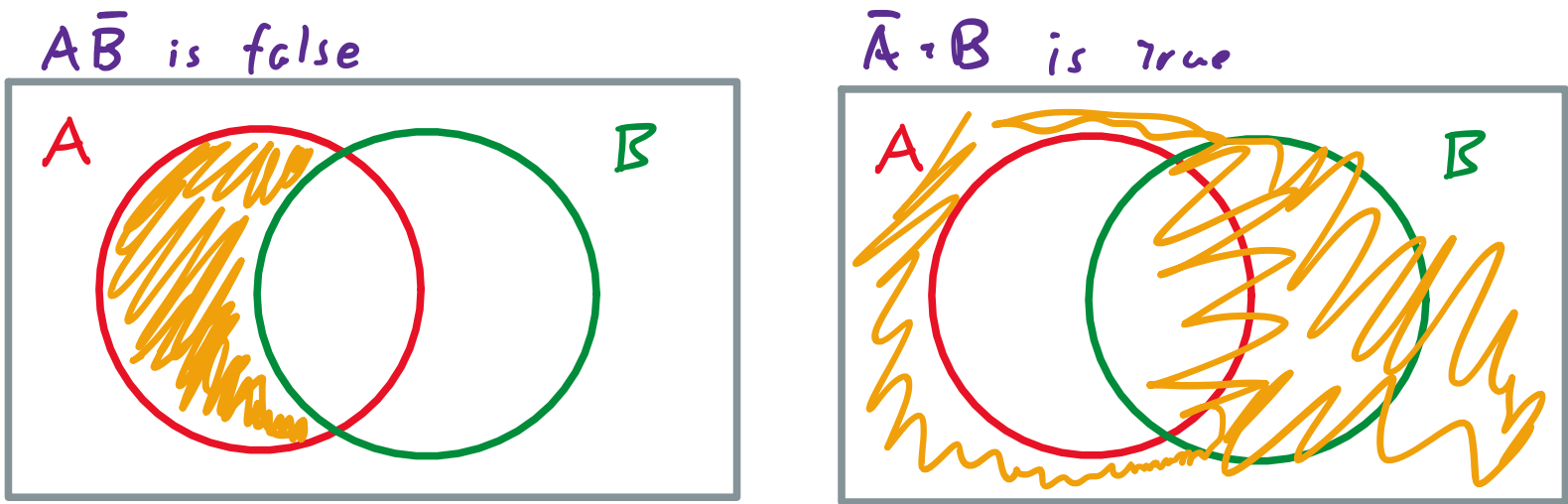


8) Logical Disjunction

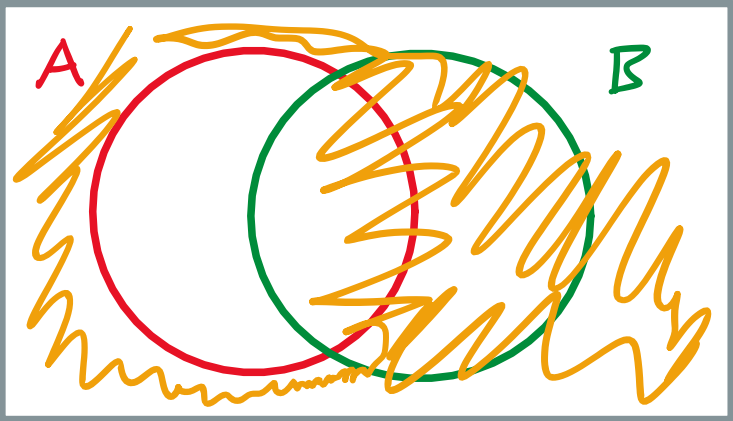


10)  $A \Rightarrow B$

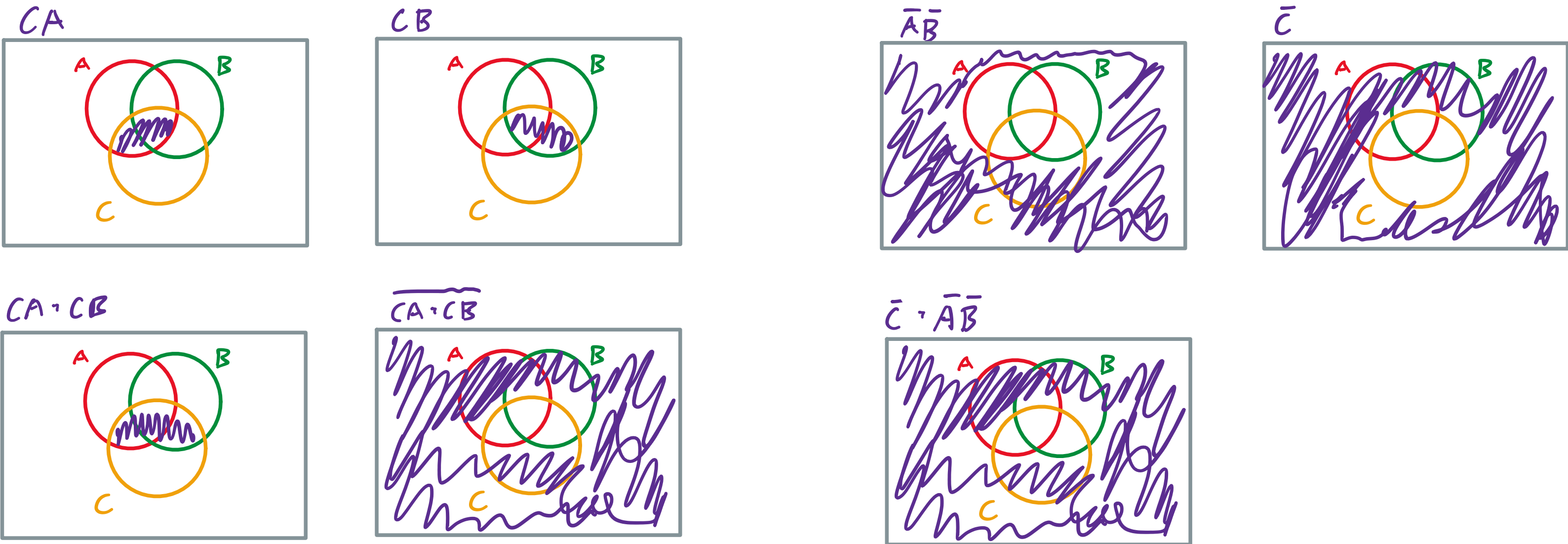
A	B	$A \Rightarrow B$
T	T	T
T	F	F
F	T	T
F	F	T



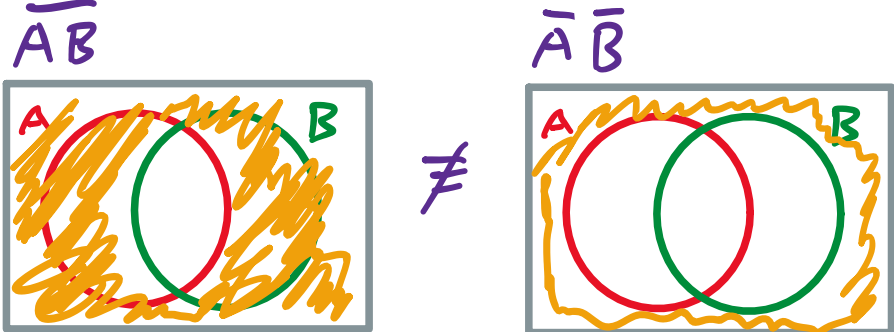
representation of  $A \Rightarrow B$



11)  $\overline{CA \cdot B} = \overline{CA} \cdot \overline{CB}$   
distribute



12)



13)



14) simplify  $(\bar{A}) \wedge ((AB) \vee (AB)) = A$   
 $\Downarrow$   
 $\bar{A} \wedge (\overline{A \wedge B}) \Rightarrow (\bar{A}) \wedge (\overline{A \wedge B}) \Rightarrow ABA \Rightarrow A$   
 $A = A$

16)	=	TT	TF	FT	FF	
$f_1(A, B) = AB$		T	F	F	F	$\Leftarrow$
$f_2$ "	$A\bar{B}$	F	T	F	F	
$f_3$ "	$\bar{A}B$	F	F	T	F	$\Leftarrow$
$f_4$ "	$\bar{A}\bar{B}$	F	F	F	T	$\Leftarrow$

$A \Rightarrow B$

