	Simple Symbolization
	Examples
	P: Steve had fried chicken. Q: Steve had French fries. R: Steve had salad. S: Steve had mashed potatoes.
任一个即可:所以并一起:心	Steve had fried chicken and French fries. $P \land Q$ Steve had both French fries and mashed potatoes $Q \land S$ Steve did not have salad. $\sim R$ Steve had either French fries or salad. $Q \lor R$ Steve had fried chicken and did not have French fries. $P \land \sim Q$
	Steve had fried chicken but did not have french fries. PA ~ Q e.g. Steve had fried chicken and mashed potatoes or French fries. Two things:
be careful of these	Either Steve had fried chicken and mashed potatoes, or Steve had French fries. $(P \land S) \lor Q$
Commo's.	Steve had fried chicken, and either Steve had mashed potatoes or French fries. When proving the truth table. P S Q $(P \land S)$ $(P \land S) \lor Q$ $(S \lor Q)$ $P \land (S \lor Q)$ T T T T T T T T T T T T T T T T T T T
	F T F F T F F F F F F F F

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e.g. St	teve had	l neithe	er Frence	h fries Q ~P1~Q. F	nor
~	LPVQ) 4	PANC	2	
PQTI	~p ~Q	2 PVQ T	~{Pv@) F	~PA~Q.	
TFT	F T	Ť	F	7	
	1 7	F	1	7	
They	are eq	riivalent	•		

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