1) We need to flipe the card with the number 8 and the blue card - we need to check the card with the number 8 is blue on the other side.

- we need to check the blue card if the other side is an even number. zs This statement is false: IF I eat vegetable soup, you'll not give me sour creum. If I ent vegetable soup, then you'll give me sour cream P = I eat vegetable soup a = you it give me sour cream This statement is false; If learning assistants are not CLAP-certified than they must not register for UNI STV 176 IF learning assistants are not CLAP-certified then they must register for UNI STU 176 p = Learning assistants are not CLAP - certified q = Learning assistants must register for UNI STU 176

3) By applying De Morgan's Law The currect statements for children who must use a car seat are P: Children who are younger than 3 years old and q : child less than 4 feet 9 inches tall By comparing to what is written on CA Priver's Handbook, we find: 1) children who are 8 years old are included which it should not z) It should use p and a but it used D Or a There are two mistakes 4) w: This person is with us A: This person is against us who is with us is not against us $N \longrightarrow \neg A$ who is against us is not with us A -> 7 W > W > 7 A start

7 W V 7 A conditional identity

7 A V 7 W commutative law

> A > 7 W conditional identity 1. They we logically equivalent