demorgans law

a NOT to an agustion.

 $\neg (X \land Y) = (\neg X) \lor (\neg Y)$ $\neg (X \lor Y) = (\neg X) \land (\neg Y)$

- · THE NOT IS DISTRIBUTED to the inner
- · THE AND OPERATION TURNS INTO OR
- · THE OR OPERATION TURNS INTO AND
- THIS ALLOWS UNIVERSAL GATES TO BE POSSIBLE