

"Every ulficial formula of propositional logic has exactly as many left as right parentheses"

* then the formula is atomic, so it has no parentneses & honce an equal number of left } right parentheses

* then & is either (-13) for some formula B or d is (8-> 8) for some formulas & & 8

> by the 1.44, p not the same # of left as right polentiness, will call this number b.

Foreny formula with SK connectives, has an equal number of left & right parenthrses

We will proceed by induction on the number of connectives in the formula

Base Step: (n=0)

Induction Hypothesis: (n=k)

Inductive Stop: (n=K+1)

suppose the formula 2 has 1241 connectives

1) If d is (7B), then B has (1671)-1=K connectives

