Terminology * or product term is an implicant of a function if the function is a "I" for all minterns in the product term An implicant is coulled prime if removal of an impute Fact: Any function can be implimented using any prime implicants. A prime is essential if it includes a mintern which is not inside another prime. Fact: if f is implemented with primes you must include the essontals. green: prime /essention) 00 01 11 0 blue: prime 1 1 V -w≥ b prime implicants 5= ayz+WZ+Wyz +wzz zyz, Way essential - Way choose one to one to standard procedure, wat cover remaining

DEnumerate Prime impl. minterny

3 Identify essential

3 choose least amount of prima
to cover any minterms lestover

** mostly an aside..., sometimes xors can help minimize functions (if you can see them).

4 Variable XOK						
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So consider the following