

Minimal Solution

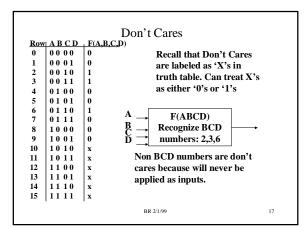
A minimal SOP will consist of prime implicants.

A minimal SOP equation will have all of the essential prime implicants on the map. By definition, these cover a minterm that may not be covered by some other prime implicant.

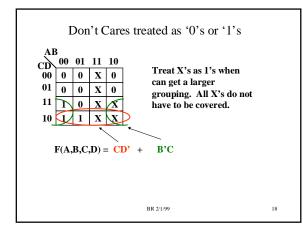
The minimal SOP equation may or may not include nonessential prime implicants. It will include non-essential prime implicants if there are '1's remaining that have not been covered by an essential prime implicant.

BR 2/1/99

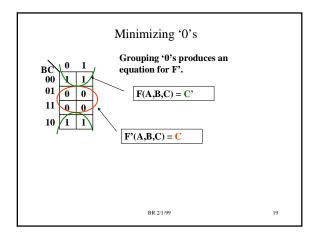
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AB CD 00 01 11 10 00 0 0 X 0 01 0 X 0 11 1 0 X X 10 1 1 X X	rn Complement to get P F'(A,B,C,D) = C' + BD Take inverse of both sides F(A,B,C,D) = (C' + BD)' = C (BD)' = C (B'+D') en applying inverse to both sid um POS form!!!!!	
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