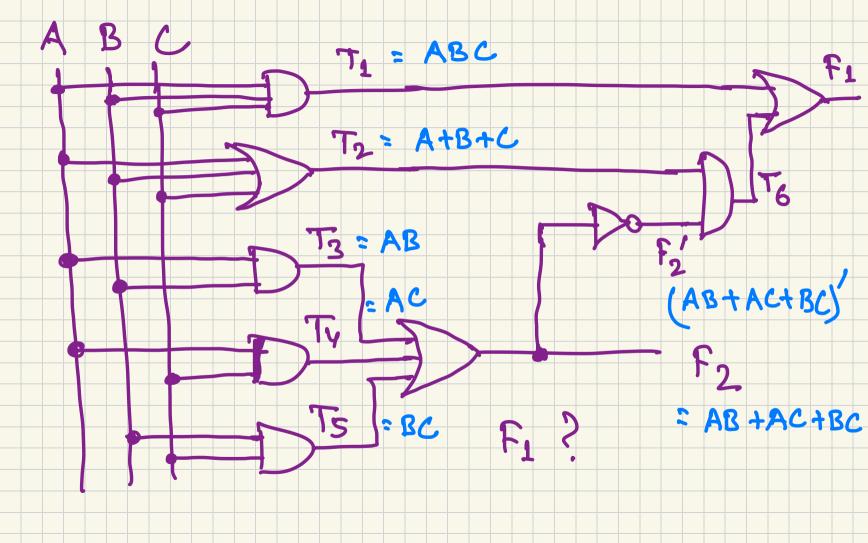
(30th sept.) ACOL 215 Combinational logic dogic circuits for digital Systems may be Combinational Segnential has a storage element a function of only the So the output depends Current inputs on current input He are interested in

Analyzing the behaviour of

given circuit 2) Synthesizing a circuit that has (will have) a given behaviour. 1 defermining the functionality b) as a Boolean algebra expression

Truth table





combinational circuit ? 40 decign a BCD Encess-3 code converte way2 ABCD OOTI 0 0000 0100 1000 Excess-3 0 TO T 0010 code 1100 0110 4 0100 0111 BL AB 1010 000 BD 6 D 710 1001 DI 78 0.1171000 1001 1100 W: A+BC+BD

