



I I we've 3 boolean variables then how many boolean function have 2 minterms? 8c2 0) g3 => 8 0) 8cg Any If we have n boolean variables the how many boolean function have x minterm 20n Aug - generalize formula * gate Puestion we have 4 boolean variables how many functions are possible? 2 => 16 minterms 2 => boolean function 216 Ave -> 2(24) Ave of h boolean ferm or minterm how many boolean function

a) 2" because asked boolean "terms"

b) 2" if variable the ans should be

2" 2"

2 boolean variable

22 => (6) -> we have I fameus function
that we implement through gets -> Not 0 +(n) = n -> NOT 2 +(n) = ny -> AND 2 +(n) = ny -> OR 13(M,y) = my+my → OR

14(M,y) = my+my → XOR

15(M,y) = my+my → XNOR

15(M,y) = my + my → XNOR

16(M,y) = my + my → XNOR 6 fo(n,y) = xy + xy + xy Truth table form 0 10 D AND OR YOR YOR HAND NOT Not opposite of each other aigh wardown rolaws " Americal" applied bished " lesenite" of the war the art shares is