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Sept. 4, 2020

Digital Circuits GA 2

8. Identify the Boolean rule(s) on which each of the following quantities is based:

a) $\overline{\overline{AB + CD}} + \overline{\overline{EF}} = AB + CD + \overline{\overline{EF}}$

ans: Rule # 9: $\overline{\overline{A}} = A$

d) $AB(C + \overline{C}) + AC = AB + AC$

ans: Rule # 4: $A \cdot 1 = A$

Rule # 6: $A + \overline{A} = 1$