

Asağıdaki lojik ifadeleri boolean kuralları ile sadeleştiriniz.

① $A + A\bar{A}$

② $A + B + \bar{B}$

③ $A + B\bar{B}$

④ $A B \bar{B}$

⑤ $A(B + \bar{B})$

⑥ $X + \bar{X}Y$

⑦ $AB + \bar{A}BC$

⑧ $A + \bar{A}$

⑨ $A + \overline{\bar{A}B}$

⑩ $\overline{\overline{A(B + \bar{B})}}$

⑪ $A\bar{A} + B\bar{B}$

⑫ $(A + \bar{A})B\bar{B}$

⑬ $A\bar{A} + AA + BB$

⑭ $A\bar{A} + AA + B\bar{B}$

⑮ $C\bar{C} + (A + \bar{A}) + (B + \bar{B}) + D$

⑯ $ABC + \overline{ABC}D$

⑰ $AB\bar{C}\bar{B}D$

⑱ $AB + \overline{AB}CD + AB\bar{C}DC$

⑲ $C + BC$

⑳ $A(A + B)$

㉑ $\overline{A + B}$

㉒ \overline{AB}

㉓ $\overline{A + BC}$

㉔ $A(\bar{A} + \bar{B})$

㉕ $D + \bar{C}D$

㉖ $A(A + C)$

㉗ $A + AB$

㉘ $A + \bar{A}B$

㉙ $A(\bar{A} + B)$

㉚ $A + \bar{A}\bar{B}$

㉛ $A + \bar{A}\bar{B}\bar{C}$

㉜ $AB + \overline{(A + B)}$

㉝ $C + \bar{B}C$

㉞ $A\bar{B} + AB + C$

㉟ $(X + Z)(XY)$

㊱ $A + \bar{A}B + AB$

㊲ $A + AB + A\bar{B}C$

㊳ $A\bar{C} + A\bar{B}\bar{C}$

㊴ $(A + B)(A + C)$