

H28 第2 第3問 (4)

$$X = (A + AB + A\bar{C} + B\bar{C}) \cdot (\bar{A} + \bar{A}B + \bar{A}\bar{C} + B\bar{C})$$

$$= \underline{A\bar{A}} + \underline{A\bar{A}B} + \underline{A\bar{A}\bar{C}} + \underline{AB\bar{C}} + \underline{AB\bar{A}} + \underline{AB\bar{A}B} + \underline{AB\bar{A}\bar{C}} + \underline{AB\bar{B}\bar{C}}$$

$$+ \underline{A\bar{C}\bar{A}} + \underline{A\bar{C}\bar{A}B} + \underline{A\bar{C}\bar{A}\bar{C}} + \underline{A\bar{C}B\bar{C}} + \underline{B\bar{C}\bar{A}} + \underline{B\bar{C}\bar{A}B} + \underline{B\bar{C}\bar{A}\bar{C}} + \underline{B\bar{C}B\bar{C}}$$

$$= \underline{0+0+0+AB\bar{C}+0+0+0+AB\bar{C}+0+0+0+AB\bar{C}+\bar{A}B\bar{C}+\bar{A}B\bar{C}+\bar{A}B\bar{C}+B\bar{C}}$$

$$= \underline{AB\bar{C}} + \underline{AB\bar{C}} + \underline{AB\bar{C}} + \underline{\bar{A}B\bar{C}} + \underline{\bar{A}B\bar{C}} + \underline{\bar{A}B\bar{C}} + \underline{B\bar{C}}$$

$$= \underline{AB\bar{C}} + \underline{\bar{A}B\bar{C}} + \underline{B\bar{C}}$$

$$= B\bar{C}(A + \bar{A}) + B\bar{C} = B\bar{C}(1) + B\bar{C} = B\bar{C} + B\bar{C} = \underline{B\bar{C}} //$$

よ、2答は、 $B \cdot \bar{C}$ // (終) hy/LTA