t: (4)
$$\Delta = \overline{AB} + (\overline{ABC} + \overline{ABC}) + (\overline{ABC} + \overline{ABC})$$

$$= \overline{AB} + \overline{BC} + \overline{AC}$$

8. (4)
$$F = \overline{AC} \overline{ABL} + \overline{BC} + \overline{ABC}$$

 $= (A+\overline{L}) (A+\overline{B+L}) + \overline{BC} + \overline{ABC}$
 $= \overline{AB+AC} + \overline{AC} + \overline{BC} + \overline{C} + \overline{BC} + \overline{C} + \overline{BC}$
 $= \overline{AB+C} + \overline{BC} = \overline{AB+C+BC} = \overline{BC}$





