

# Derive Boolean Expression from Logic Diagram Key

1.  $Q = \overline{C + (\overline{A} + \overline{B})}$
2.  $Q = \overline{(\overline{A} + B).C + (\overline{A} + B) + (C + \overline{D})}$
3.  $Q = \overline{A\overline{B} + \overline{C}} + \overline{(\overline{A}\overline{B}).(\overline{D}\overline{C})}$
4.  $Q = \overline{(\overline{A}\overline{B}).C} + \overline{(\overline{A}\overline{B}).(\overline{C} + D)}$