DeMorgan's Theorem

Part A $F_{(A,B,C)} = \overline{(\overline{A} + \overline{B})} + \overline{(A + B)} + \overline{(B + \overline{C})}$ $F_{(A,B,C)} = \overline{\overline{(AB)}\,\overline{(\overline{A}\,\overline{B})}\,\overline{(\overline{B}C)}}$

Part B $Out = \overline{A(B + C)} + D$