DeMorgan's Theorem

Part A Using DeMorgan's theorem, express the function:

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

Express this function with only OR and complement operations.

Express this function with only AND and complement operations.

Part B Determine the DeMorgan equivalent for the following expression:

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