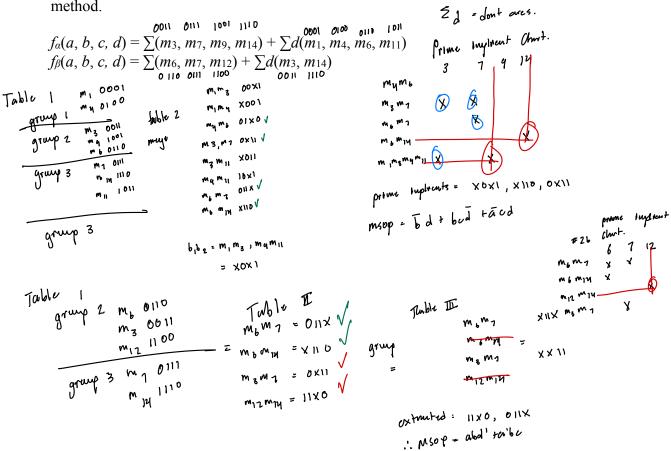
2. Consider the following multi-output functions and minimize them using the Quine-McCluskey method.



3. Design a 3-bit adder using a single carry-lookahead circuit (one 3-bit carry-lookahead group). and provide a schematic

(a) Show all key logical expressions (HINT: see example for 4-bit carry-lookahead).