# 5321 Homework 3.1
## Summer 2019

a) ab + c' + d

   COI a: XTTF
   COI b: TXTF
   COI c: FFXF, **FTXF**, **TFXF**

   COI d: FFTX, **FTTX**, **TFTX**

   **Base Set**: - FTTF, TTTF, TFTF

   UC1 = FTTF, TTTF,TFTF, FTFF, FTTT
   UC2 = FTTF, TTTF,TFTF, FTFF, TFTT

   M1 = FTTF, TTTF, TFTF, FFFF, FFTT (Masking Solution)

b) a' + bc' + d

   COI a: XFTF, **XFFF**, **XTTF**
   COI b: TXFF
   COI c: TTXF

   COI d = **TTTX**, **TFFX**, TFTX

   **Base set**:- TFFF, TTFF, TTTF

   UC1 = TFFF, TTFF, TTTF, FFFF, TTTT

   UC2 = TFFF, TTFF, TTTF, FFFF, TFFT

   M1 = TFFF, TTFF, TTTF, FFTF, TFTT  (Masking Solution)