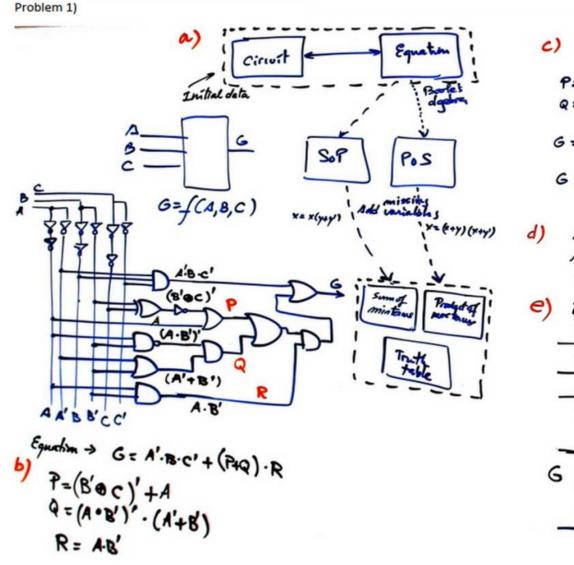
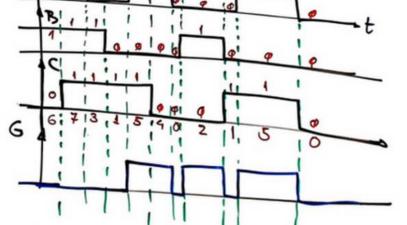
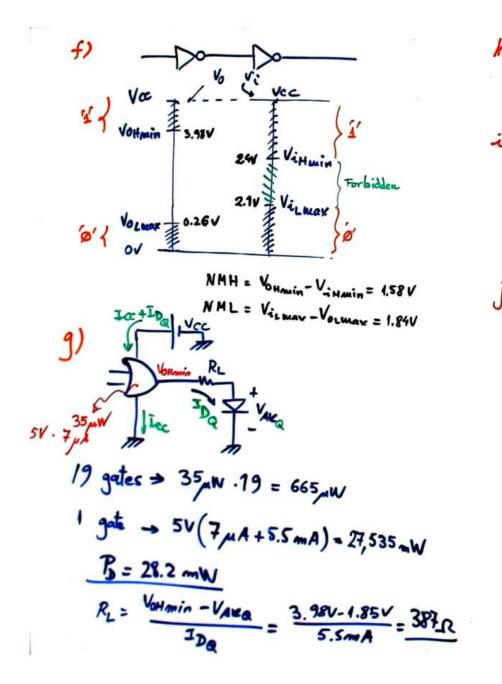
Problem 2) as in MUX_8 using plan C2 in digsys at: https://digsys.upc.edu/csd/P03/MUX_8/MUX_8_C2.html

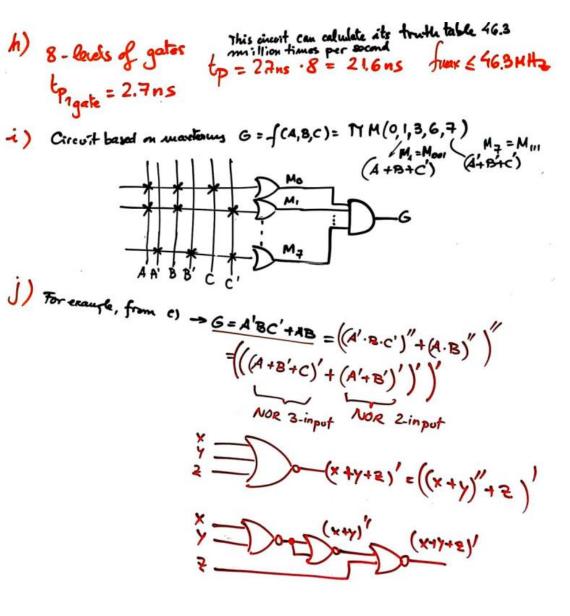
Problem 3) solution very similar to Problem 4) in 2021Q1 EXA1 at: https://digsys.upc.edu/csd/exams/EX1/2021Q1_CSD_EXAM1_solution.pdf



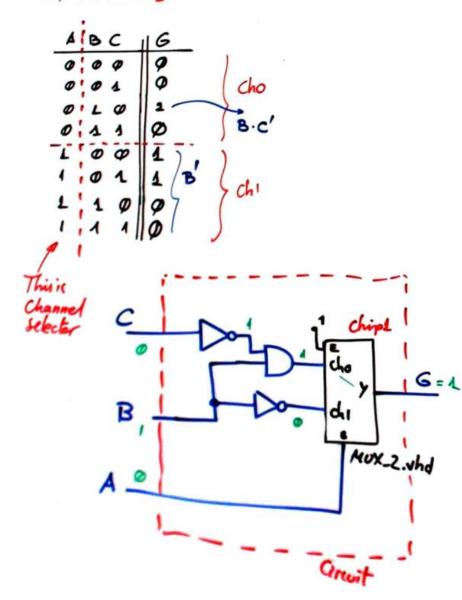
c) $(B' \cdot C' + B' \cdot C)'_{=} (B'C' + BC') = BC' + B'C$ P: BC' + B'C + A $Q = (A' + B'')(A' + B') = (A' + B) \cdot (A' + B') \rightarrow A'$ $G = A'BC' + (BC' + B'C + A + A') \cdot AB'$ G = A'BC' + AB' $A'BC' = m_{010} = m_2$ $AB' = AB'C + AB'C' = m_{AQ1} + m_{AQQ} = m_5 + m_4$ $Truch + LLe \Rightarrow G = f(A, B, C) = \sum m(2, 4, 5)$







K) MOM using a MUX-R



 $l) M o D \\ G = \sum m(2,4,5) = m_2 + m_4 + m_5$

