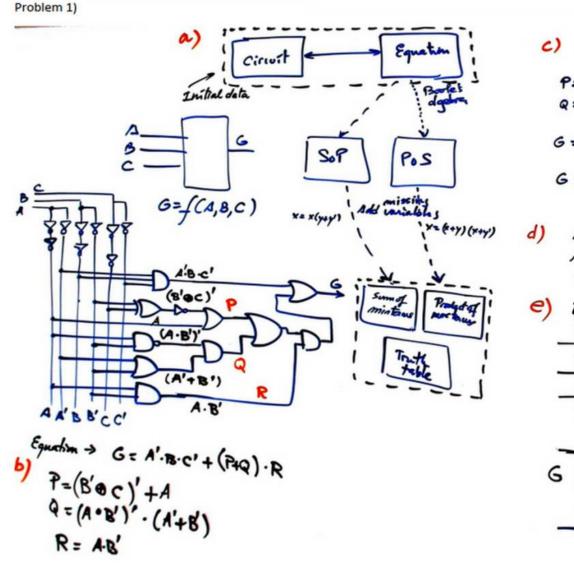
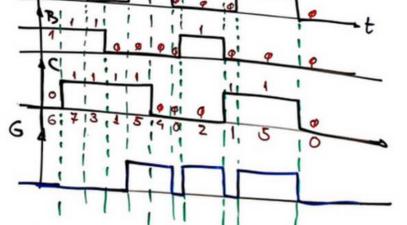
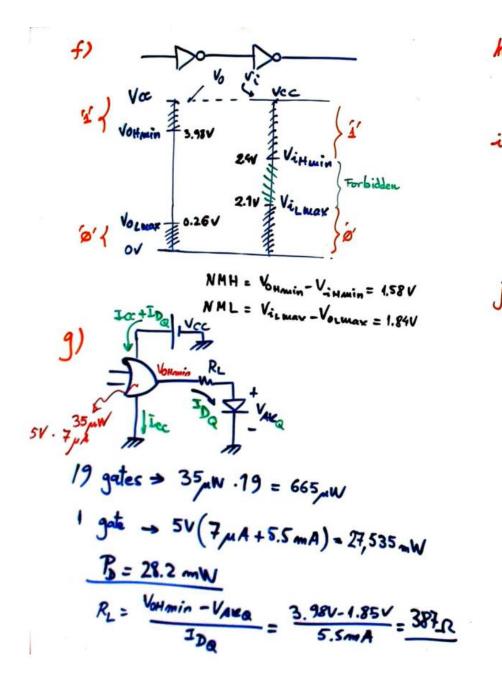
Problem 2) as in MUX\_8 using plan C2 in digsys at: <a href="https://digsys.upc.edu/csd/P03/MUX\_8/MUX\_8\_C2.html">https://digsys.upc.edu/csd/P03/MUX\_8/MUX\_8\_C2.html</a>

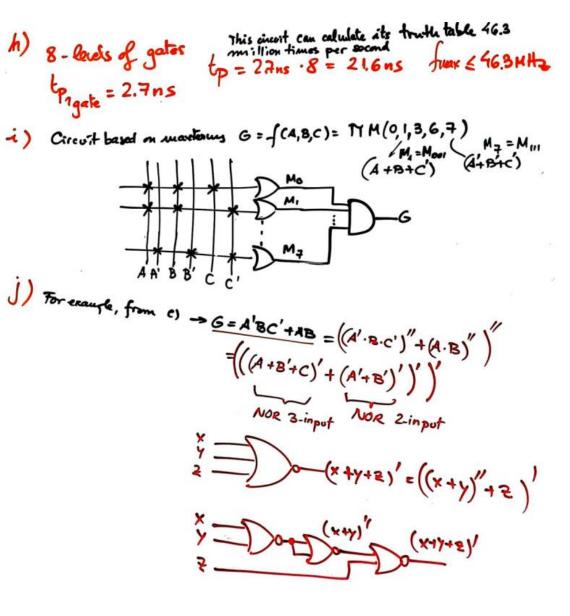
Problem 3) solution very similar to Problem 4) in 2021Q1 EXA1 at: https://digsys.upc.edu/csd/exams/EX1/2021Q1\_CSD\_EXAM1\_solution.pdf



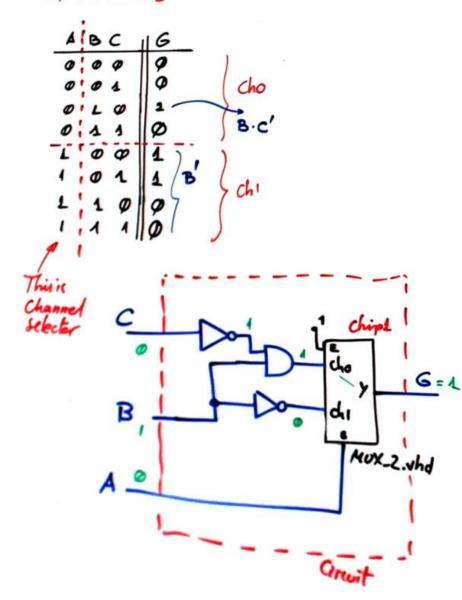
c)  $(B' \cdot C' + B' \cdot C)'_{=} (B'C' + BC') = BC' + B'C$ P: BC' + B'C + A  $Q = (A' + B'')(A' + B') = (A' + B) \cdot (A' + B') \rightarrow A'$   $G = A'BC' + (BC' + B'C + A + A') \cdot AB'$  G = A'BC' + AB'  $A'BC' = m_{010} = m_2$   $AB' = AB'C + AB'C' = m_{AQ1} + m_{AQQ} = m_5 + m_4$  $Truch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







K) MOM using a MUX-R



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

