Plans and ideas for solving the exam. Complete your solutions in paper as if writing laboratory reports, find similar problems to compare and discuss your results with your classmates or your instructors.

Problem 1
(1)

(2) For exacuple, the cirust based on rearturms:

$$
P_{3}=M_{3} \cdot M_{5} \cdot M_{8} \cdot M_{9} \cdot M_{18} \cdot M_{14}
$$

 10 levels of gates
solved as in 2223Q1
(4)
solved as in 222391


Please: You must enclose the sign bit in a square with a different colour as shown in these example operations for integers ( $\mathrm{N}=1$ )
Problem 3
1- as in P1 Circuit Q tutorial. 2- as in 2223Q1 (question 13); 3 - as in 2223Q1 (Question 16)

