CSE 206 - July 2021
Encoder & Decoder Online (A2)

Implement the following function using two 3 × 8 decoders and gates as required

1. $f = \sum (2,4,9,10,11,12)$
2. $f = \pi(3,4,5,6,7,11)$
3. $f = \sum (4,6,8,10,11,12)$
4. $f = \pi(6,7,8,10,11)$
5. $f = \sum (2,4,6,14,15)$

Divide your roll number by 5. The remainder is your assigned problem if the remainder is non-zero, otherwise problem 5 is.

Create a PDF document containing the truth table and necessary equations along with a hand-written circuit diagram. Submit the PDF file and the .circ file simulated in Logisim in a single zip file named by your student ID to Moodle.