

HW 2

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Questions

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- 1. 강의 중 문제.

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Number System

- 2. Convert the following number from decimal to binary:

0.375

- 3. Convert the following number from decimal to 2's complement binary: (use the 8 bits for integer part)

- 11.625

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□ 4. Prove that $a \cdot a = a$

□ 5. Show that $a' \cdot b' + a \cdot b + a' \cdot b = a' + b$

- 6. Draw a circuit of the following Boolean equation with logic symbols. (Do not simplify it. Draw the circuit as expressed in the Boolean equation.)

$$f = (x \cdot y + w) \cdot z + (x + y) \cdot w$$