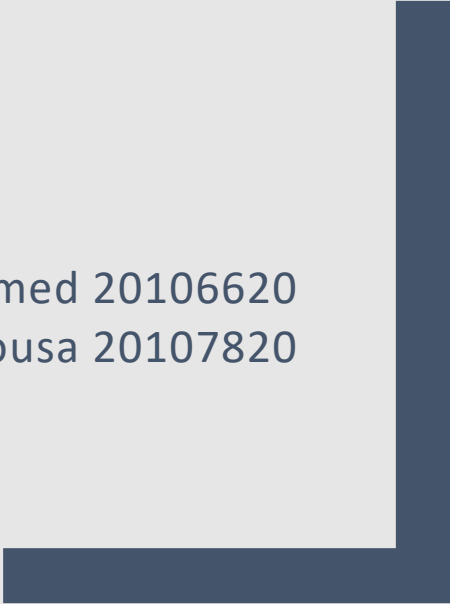




Computer Architecture Project

SCIENTIFIC CALCULATOR

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SCIENTIFIC CALCULATOR OPERATIONS

1. Add
2. Subtract
3. Multiply
4. Division
5. Max, Min of list
6. Power
7. Factorization
8. Sin, Cos, Tan
9. Triangle Detection

MARIE CODE

LINK FOR MARIE CODE :

<https://drive.google.com/file/d/1UnSgHRbWHgMLUfTqtsjwkz71JFCXqdqd/view?usp=sharing>

DUMP FROM MEMORY

LINK FOR DUMP FROM MEMORY : HTTPS://DRIVE.GOOGLE.COM/FILE/D/1_KFNL-ZVK4U1ALTZ67RAVTYGPMWW8ZCP/VIEW?USP=SHARING

REGISTERS

MARIE'S SEVEN REGISTERS ARE:

- Accumulator, AC, a 16-bit register that holds a conditional operator (e.g., "less than") or one operand of a two-operand instruction.
- Memory address register, MAR, a 12-bit register that holds the memory address of an instruction or the operand of an instruction.
- Memory buffer register, MBR, a 16-bit register that holds the data after its retrieval from, or before its placement in memory.
- Program counter, PC, a 12-bit register that holds the address of the next program instruction to be executed.
- Instruction register, IR, which holds an instruction immediately preceding its execution.
- Input register, InREG, an 8-bit register that holds data read from an input device.
- Output register, OutREG, an 8-bit register, that holds data that is ready for the output device.

LINK FOR RTL : <HTTPS://DRIVE.GOOGLE.COM/FILE/D/1DXYDRP2A6ZY-1PK13PAJB01KAXIZCOWF/VIEW?USP=SHARING>