

NAME - MONU
ENTRY NO - 2020CS50432

Subtask - 7

Task is to design a multiplier circuit and embed it with multicycle design.

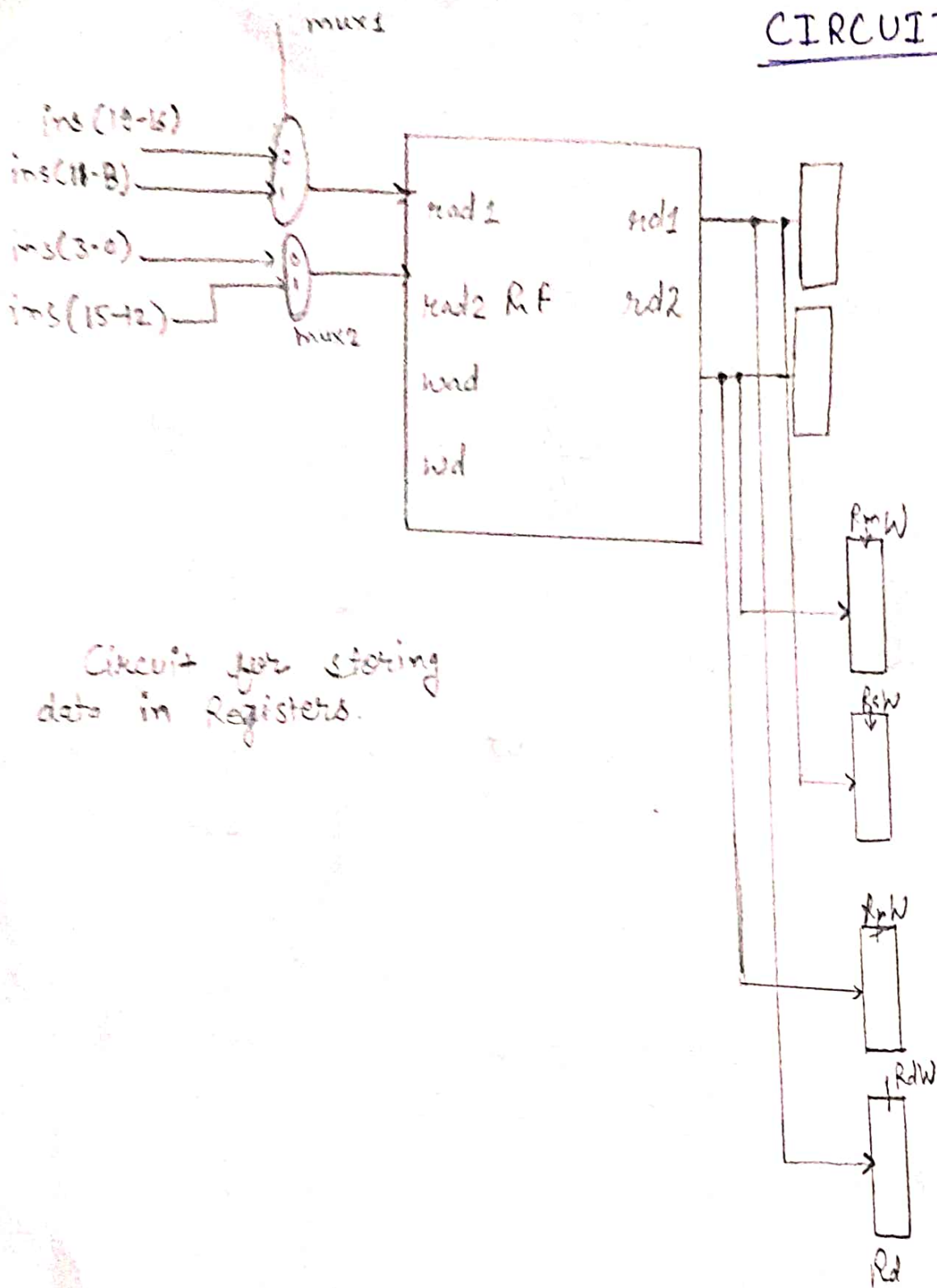
Multicycle design with multiplier.

Multiplier: Unit which performs all multiplication operations on values and outputs appropriate answer to out1 and out2 port.

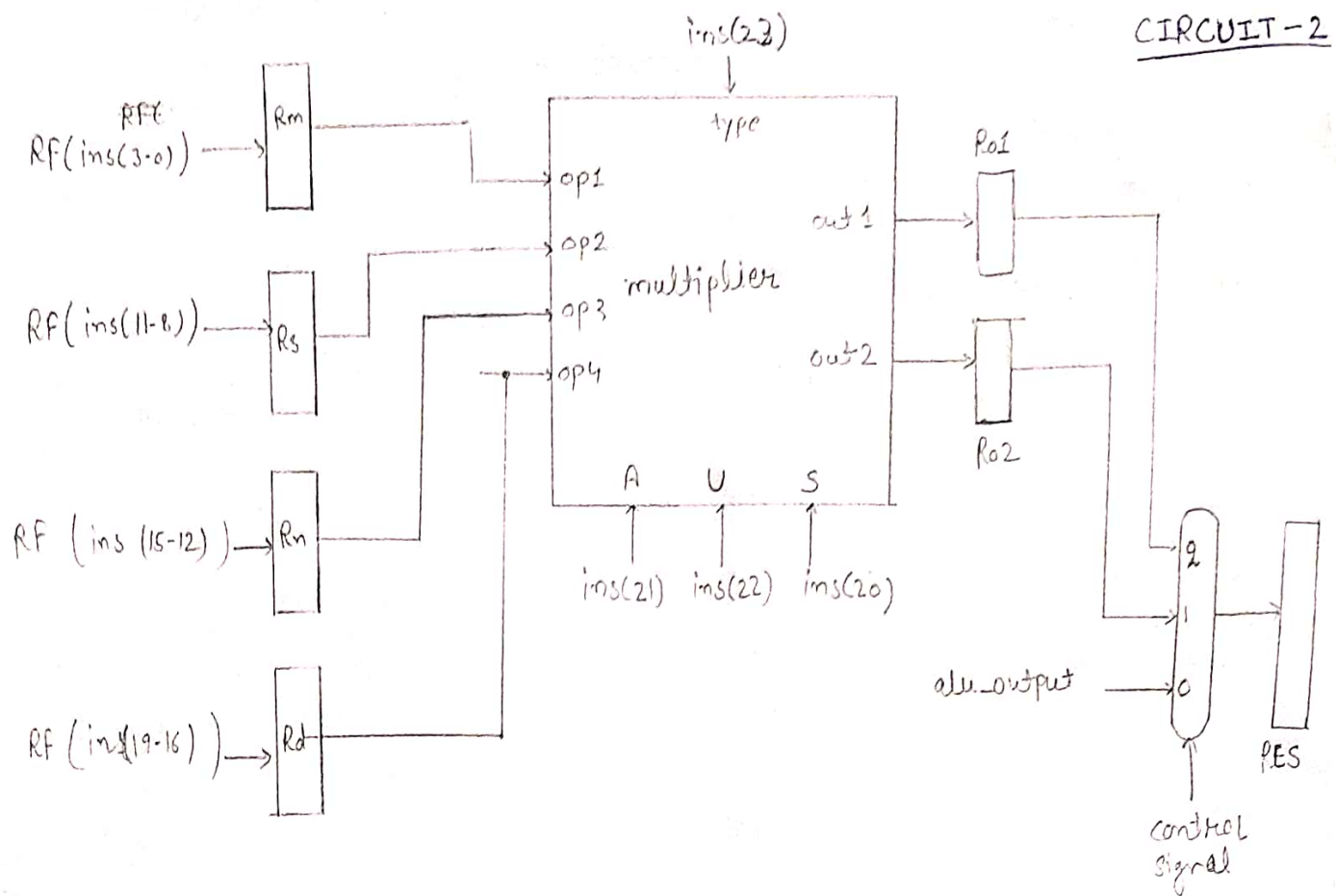
~~Data~~ Glue & logics: logics to connect all the circuits.

Further details are below:

CIRCUIT - 1



Circuit for storing
data in registers.



Circuit-2: for reading data from registers and then applying operations on data to get appropriate solutions according to instruction.