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1. This is the results of the given code.   
Diagram, schematic

Description automatically generated

I changed the code to allow the adjustment for specifying issue width. I verified that the change has not impacted the original code. The changes where made in the issue.py file.

Text

Description automatically generated

Issue 1:

Schematic

Description automatically generated with low confidence

Issue 2:

Schematic

Description automatically generated

Issue 3:

Diagram, schematic

Description automatically generated

Issue 4:

A picture containing schematic

Description automatically generated

Text, letter

Description automatically generated

Table

Description automatically generated

I used the sample questions for Test 1 as a test case.

Results Set the issue to 4.

Schematic

Description automatically generated

Test case for provided text file.

d F1 0(R1)

Mult.d F2 F1 F0

Add.d F3 F3 F2

Mult.d F2 F1 F1

Add.d F4 F2 F4

Addi R1 R1 8

Ld F1 0(R1)

Mult.d F2 F1 F0

Addi F3 F3 F2

Mult.d F2 F1 F1

Addi F4 F2 F4

Addi R1 R1 8

Ld F1 0(R1)

Mult.d F2 F1 F0

Add.d F3 F3 F2

Mult.d F2 F1 F1

Add.d F4 F2 F4

Test cases:

Ld F2 0(R1)

Mult.d F4 F2 F20

Ld F6 0(R2)

Add.d F6 F4 F6

Sd F6 0(R2)

Addi R1 R1 -4

Addi R2 R2 -4

Bne R1 R0 -12

Add.d F20 F2 F2

Text

Description automatically generated

Diagram, schematic

Description automatically generated