

These waveform show the output of the dMemOut. The tests basically does a bunch of mips operations using our pipelined processor, loads the outputs of those operations into memory, and then does some "lw" operations to output them to dMemOut and check if the operations were performed correctly. The first program tests the beq, j, and add operations by adding 30,40, and 50 together using a loop. As demonstrated by the waveform the output is correct because the output is 0x78, which is 120 in hex. The second program tests a bunch of R type instructions and the output is 2, as demonstrated by the first picture. The last picture tests a bunch of i-type instructions and stores the result of each output

into memory and then at the end second picture.	it checks if they have the ri	ght output in dMemOut, as shown by t	he