

Week 14

Progress

- DONE:
 - Broadcast buffer read/write (vlebc)
 - Broadcast length config (vsetbl)
 - New VFPU control state (issue, process, commit, vfbmacc)
- TODO:
 - operand_requester support for REUSE_SIZE > 1 (vd, vd+1, ..., vd+REUSE_SIZE)
 - Hazard tracking for REUSE_SIZE > 1
 - Strided store with incremental base address (vsse bc != 0)

FP64

	LE/SE	LSE/SSE (stride = 8 byte)
4x4	2.66%	2.61%
8x8	15.11%	12.46%
16x16	41.59%	31.31%
32x32	74.53%	52.33%
64x64	93.24%	65.44%
128x128	97.18%	56.95%

FP64

	LE/SE	LE/SSE (stride = 8 byte)
4x4	2.66%	2.66%
8x8	15.11%	13.04%
16x16	41.59%	34.57%
32x32	74.53%	63.49%
64x64	93.24%	84.52%
128x128	97.18%	92.50%

FP32

	LE/SE	LE/SSE (stride = 4 byte)
4x4	1.34%	1.32%
8x8	8.54%	7.20%
16x16	26.52%	20.65%
32x32	56.97%	44.28%
64x64	82.62%	69.00%
128x128	94.13%	84.79%