Task: Read in traces from Snoop jbl files ✓



Read message file (defSnoop-RubelPrintFormat.msg)

```
('cpu0', 'dcache0', (10, 19, 20, 23, 26, 28, 37, 38, 39, 40, 42, 58, 64))
  cpu0', 'icache0', (0, 9))
  cpu1', 'dcache1', (49, 52, 53, 57, 61, 69, 70, 71, 72, 77, 83))
('cpu1', 'icache1', (44, 48))
('cpu2', 'dcache2', (90, 93, 94, 97, 98, 101, 102, 103, 104, 107, 111))
 'cpu2', 'icache2', (86, 89))
('dcache0', 'l2bus', (12, 18, 21, 22, 27, 30, 41, 43, 55, 59, 60, 65, 67, 74, 76))
('dcache1', 'l2bus', (50, 51, 54, 56, 66, 68, 73, 78, 79, 80, 84, 85))
('dcache2', 'l2bus', (91, 92, 95, 96, 99, 100, 105, 108, 109, 110, 112, 113))
('dram', 'membus', (3, 5, 13, 15, 34))
('icache0', 'l2bus', (2, 8, 25, 36, 45))
('icache1', 'l2bus', (46, 47, 81, 82))
('icache2', 'l2bus', (87, 88, 106, 114))
 'l2bus', 'l2cache', (1, 7, 11, 17, 24, 29, 31, 33, 63, 75))
('l2cache', 'membus', (4, 6, 14, 16, 32, 35, 62))
```

Unsliced Trace (1 large trace)

```
✓ unslicedtrace-1

≡ unsliced-cpu0-dcache0.txt

≡ unsliced-cpu0-icache0.txt

≡ unsliced-cpu1-dcache1.txt

 ■ unsliced-cpu1-icache1.txt

■ unsliced-cpu2-dcache2.txt

 ■ unsliced-cpu2-icache2.txt
 ■ unsliced-dcache0-l2bus.txt

≡ unsliced-dcache1-l2bus.txt

    unsliced-dcache2-l2bus.txt

 ■ unsliced-dram-membus.txt
 ■ unsliced-icache0-l2bus.txt

≡ unsliced-icache1-l2bus.txt

■ unsliced-icache2-l2bus.txt

≡ unsliced-l2bus-l2cache.txt

 ■ unsliced-l2cache-membus.txt
```

Example file:

('cpu0', 'dcache0', (10, 19, 20, 23, 26, 28, 37, 38, 39, 40, 42, 58, 64))

```
X
     unsliced-cpu0-dcache0
                                                                                                 (g)
File
      Edit
            View
10 19 10 19 10 19 10 19 10 19 10 19 10 19 10 19 10 19 20 23 10 19 10 19 10 19 20 23 10 19 10 19 20 23 10
19 20 23 10 19 20 23 10 19 20 23 10 19 20 23 10 19 20 23 10 19 20 23 10 19 20 23 10 19 20 23 10 19 20 23 10 19
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23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23
23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23
20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 20 23 20 23 10 19 20 23 20 23 20
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10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 20 23 10
19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 20 23 20 23 20 23 20 23 20 23 20 23 10 19
20 23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20
23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23
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10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 20 23 20 23 20 23 20 23 20 23 10 19 20 23 20 23 20 23 20 23 20
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23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23
23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23
20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 20 23 10 19 20 23 20 23 20 23 20
23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23 10 19 20 23 20 23
```

Sliced Traces (73751 total!)

Most were just singular/short traces. So instead of folders (too much memory/space!) I made it so it writes to a notepad, with the range specified.

```
extract_sequences(traces, groups, folder_name_prefix="sliced 1-1000", start=1, end=1001)
extract_sequences(traces, groups, folder_name_prefix="sliced 1001-2000", start=1001, end=2001)
```

Example txt:

Traces are separated by brackets. And instead of separate files for each, it just prints it in the file

```
[trace-1 -- cpu0-icache0
0 9
[trace-2 -- dram-membus
trace-2 -- icache0-l2bus
trace-2 -- l2bus-l2cache
1 7
trace-2 -- 12cache-membus
4 6
[trace-3 -- cpu0-icache0
[trace-4 -- cpu0-dcache0
10 19
[trace-5 -- dcache0-l2bus
trace-5 -- dram-membus
trace-5 -- l2bus-l2cache
11 17
trace-5 -- 12cache-membus
14 16
[trace-6 -- cpu0-icache0
09
[trace-7 -- dram-membus
trace-7 -- icache0-l2bus
28
trace-7 -- 12bus-12cache
trace-7 -- 12cache-membus
4 6
```

```
('cpu0', 'dcache0', (10 19, 20, 23, 26, 28, 37, 38, 39, 40, 42, 58, 64))

('cpu0', 'dcache0', (10 19, 20, 23, 26, 28, 37, 38, 39, 40, 42, 58, 64))

('dcache0', 'l2bus', (12, 18, 21, 22, 27, 30, 41, 43, 55, 59, 60, 65, 67, 74, 76))

('dram', 'membus', (3, 5, 13, 15, 34))

('dram', 'membus', (3, 5, 11, 17, 24, 29, 31, 33, 63, 75))

('l2bus', 'l2cache', (1, 7, 11, 17, 24, 29, 31, 33, 63, 75))

('l2cache', 'membus', (4, 6, 14, 16, 32, 35, 62))
```