```
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000000
(spike) until pc 0 10170
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000007
```
ADD DUMP

```
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000000
(spike) until pc 0 10170
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000000
```
AND DUMP

```
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000000
(spike) until pc 0 10170
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000001
```
SUB DUMP

```
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000000
(spike) until pc 0 10170
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000007
```
OR DUMP

```
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000000
(spike) until pc 0 10170
(spike) mem 0 11468
0x0000000300000004
(spike) mem 0 11470
0x0000000000000007
```
XOR Dump

```
(spike) until pc 0 10150
bbl loader
(spike) mem 0 11470
0x0000000300000005
(spike) mem 0 11478
0x0000000600000004
(spike) mem 0 1147c
0x0000000000000006
(spike) mem 0 11480
0x0000000000000005
```
start (before loop)

```
bbl loader
(spike) mem 0 11470
0x0000000300000005
(spike) mem 0 11478
0x0000000600000004
(spike) mem 0 1147c
0x0000000000000006
(spike) mem 0 11480
0x0000000000000005
```
after iteration 1

```
(spike) mem 0 11470
0x0000000400000005
(spike) mem 0 11478
0x0000000600000004
(spike) mem 0 1147c
0x0000000000000006
(spike) mem 0 11480
0x0000000000000005
```
after iteration 2

```
(spike) mem 0 11470
0x0000000400000005
(spike) mem 0 11478
0x0000000600000006
(spike) mem 0 1147c
0x0000000000000006
(spike) mem 0 11480
0x0000000000000005
```
after iteration 3

```
(spike) mem 0 11470
0x0000000400000005
(spike) mem 0 11478
0x0000000900000006
(spike) mem 0 11480
0x0000000000000005
```
after iteration 4

```
(spike) mem 0 11470
0x0000000400000005
(spike) mem 0 11478
0x0000000900000006
(spike) mem 0 11480
0x0000000000000009
```

final iteration