

Cache

a: cache hit

address:

tag	index
0 1 0 1	0 0 0 0 1 0

index	tag	data
0	0 1 0 0	1 0 1 0 1 1 0 1 0 1
1	1 1 1 1	1 0 0 0 1 0 1 0 0 1
2	0 1 0 1	1 1 0 1 1 1 1 0 0 0

b: cache miss

address:

tag	index
1 1 1 1	0 0 1 0 0 1

9	0 1 1 1	0 1 1 1 0 1 1 0 0 1
n	0 1 0 0	1 0 1 0 1 1 0 1 0 1