

Memory @	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Data	T	h	i	s	-	i	s	-	d	a	t	a	-	f	o	r
Memory @	10	11	12	13	14	15	16	17	18	19	1A	1B	1C	1D	1E	1F
Data	-	o	u	r	-	c	a	c	h	e	-	a	s	s	i	g

2

Mem @	3	Tag Id	0	Line Id	1	Byte Id	1	
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1	hit/miss
line 1	2	t	a		0	1	S	H
line 0	0	T	h		3	-	f	

0 0 0 1 1

Mem @	10	Tag Id	3	Line Id	0	Byte Id	1	
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1	hit/miss
line 1	2	t	a		0	i	S	
line 0	0	T	h		3	-	f	H

1 1 0 1

Mem @	18	Tag Id	6	Line Id	0	Byte Id	0	
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1	hit/miss
line 1	2	t	a		0	i	S	
line 0	6	(h)	e	m	3	-	f	m

1 0 0 0

Mem @	4	Tag Id	1	Line Id	0	Byte Id	0	
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1	hit/miss
line 1	2	t	a		0	i	S	
line 0	6	h	e		1	i	i	(m)

0 1 0 0

Mem @	13	Tag Id	3	Line Id	1	Byte Id	0	
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1	hit/miss
line 1	3	(o)	r	m	0	i	S	
line 0	6	h	e		1	-	i	

0 1 1 0

Mem @	5	Tag Id	1	Line Id	0	Byte Id	1	
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1	hit/miss
line 1	3	o	r		0	i	S	
line 0	6	h	e		1	-	(i)	H

0 1 0 1