

	S0				S1				S2				S3			
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

FIFO

Mem @	0	Tag Id	0	Line Id	0	Byte Id	0
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1
line 1							
line 0	0	(T)	h	m			

0000

Mem @	A	Tag Id	2	Line Id	1	Byte Id	0
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1
line 1	2	(z)	a	m			
line 0	0	T	h				

1010

Mem @	1	Tag Id	0	Line Id	0	Byte Id	1
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1
line 1	2	+	a				
line 0	0	T	(H)	H			

0001

Mem @	B	Tag Id	2	Line Id	1	Byte Id	1
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1
line 1	2	z	(a)	H			
line 0	0	T	h				

1011

Mem @	2	Tag Id	0	Line Id	1	Byte Id	0
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1
line 1	2	+	a		0	(i)	S
line 0	0	T	h				

0000

Mem @	C	Tag Id	3	Line Id	0	Byte Id	0
	segment tag	cell 0	cell 1	hit/miss	segment tag	cell 0	cell 1
line 1	2	+	a		0	i	S
line 0	0	T	h		3	(f)	m

1100