

S0

S1

	L0				L1				L0				L1			
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

S2 (10)

S3 (11)

Mem @	0	Tag Id	0	Line Id	0	Byte Id	0	0000
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	segment tag	cell 0	cell 1	cell 2	cell 3	hit/miss
line 1						
line 0	0	(T)	h	i	s	m

Mem @	A	Tag Id	01	Line Id	0	Byte Id	10	01010
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	segment tag	cell 0	cell 1	cell 2	cell 3	hit/miss
line 1						
line 0	1	d	a	(t)	a	m

Mem @	1	Tag Id	0	Line Id	0	Byte Id	01	00001
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	segment tag	cell 0	cell 1	cell 2	cell 3	hit/miss
line 1						
line 0	0	T	(h)	i	s	m

Mem @	B	Tag Id	01	Line Id	0	Byte Id	11	01011
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	segment tag	cell 0	cell 1	cell 2	cell 3	hit/miss
line 1						
line 0	1	d	a	t	(a)	m

Mem @	2	Tag Id	0	Line Id	0	Byte Id	10	00010
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	segment tag	cell 0	cell 1	cell 2	cell 3	hit/miss
line 1						
line 0	0	t	h	(i)	s	m

Mem @	C	Tag Id	01	Line Id	1	Byte Id	00	01100
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	segment tag	cell 0	cell 1	cell 2	cell 3	hit/miss
line 1	01	(-)	f	o	r	m
line 0	0	T	h	i	s	