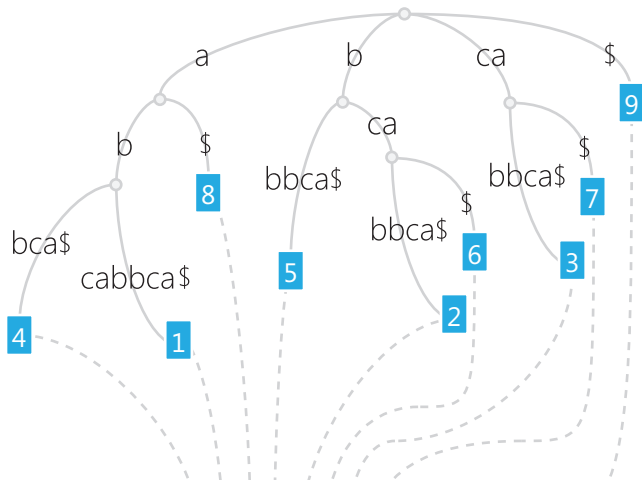


Symbolic Representation

1	2	3	4	5	6	7	8	9
a	b	c	a	b	b	c	a	\$

Suffix Tree



Suffix Array

Created from the offsets present left to right in the suffix tree
Stores the offset required to get the substring.

1	2	3	4	5	6	7	8	9
4	1	8	5	2	6	3	7	9
a	a	a	b	b	b	c	c	\$
b	b	\$	b	c	c	a	a	
b	c		c	a	a	b	\$	
c	a		a	b	\$	b		
a	b		\$	b		c		
\$	b			c		a		
				a		\$		
				\$				

Sort

1	2	3	4	5	6	7	8	9
9	8	4	1	6	2	5	7	3
\$	a	a	a	b	b	b	c	c
\$	b	b	c	c	b	a	a	a
	b	c	a	a	c	\$	b	
	c	a	\$	b	a		b	
	a	b		b	\$		c	
	\$	b		c			a	
		c		a			\$	
		a			\$			
		\$						

LCP Array

1	2	3	4	5	6	7	8	9
1	0	1	2	0	3	0	0	2