The Shift-And formula $R^0 = ((R^0_{i-1} >> 1) \vee 10^{m-1}) \,\&\, \Sigma(t_i)$

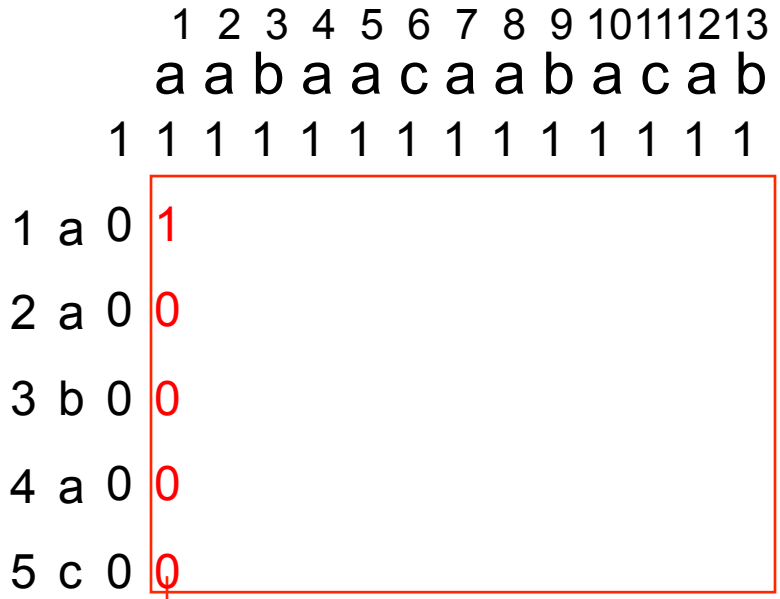
Example:

Text = aabaacaabacab

pattern = aabac

when i=1

Σ(a)	11010
Σ(b)	00100
Σ(c)	00001
*	00000



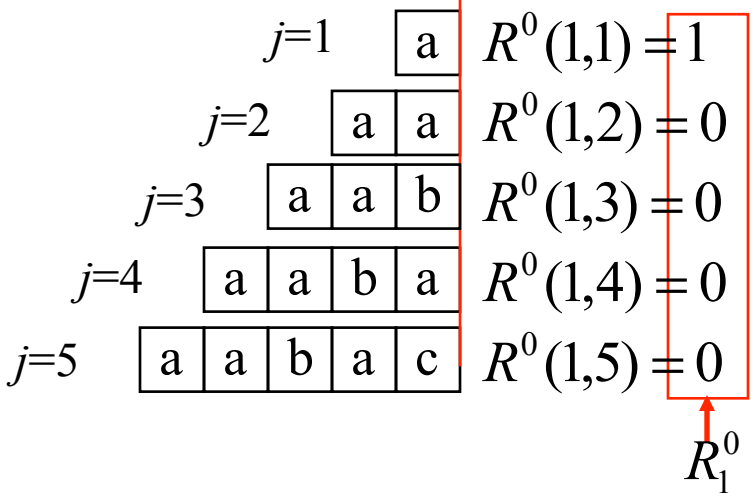
R^0_0 R^0_1

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

$10000 \quad (R^0_0 >> 1) \vee 10^{m-1}$

$\&\ \ 11010 \quad \Sigma(a)$

$R^0_1 \ 10000$



The operation "&" will examine whether the $\Sigma(t_i)$ equals to the p_j or not currently.