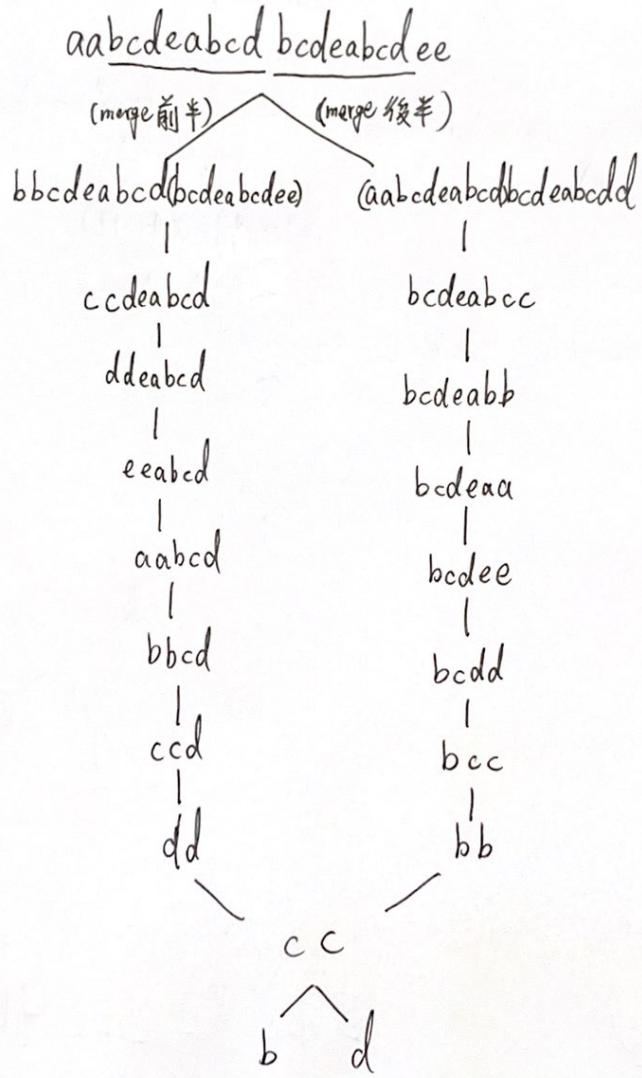


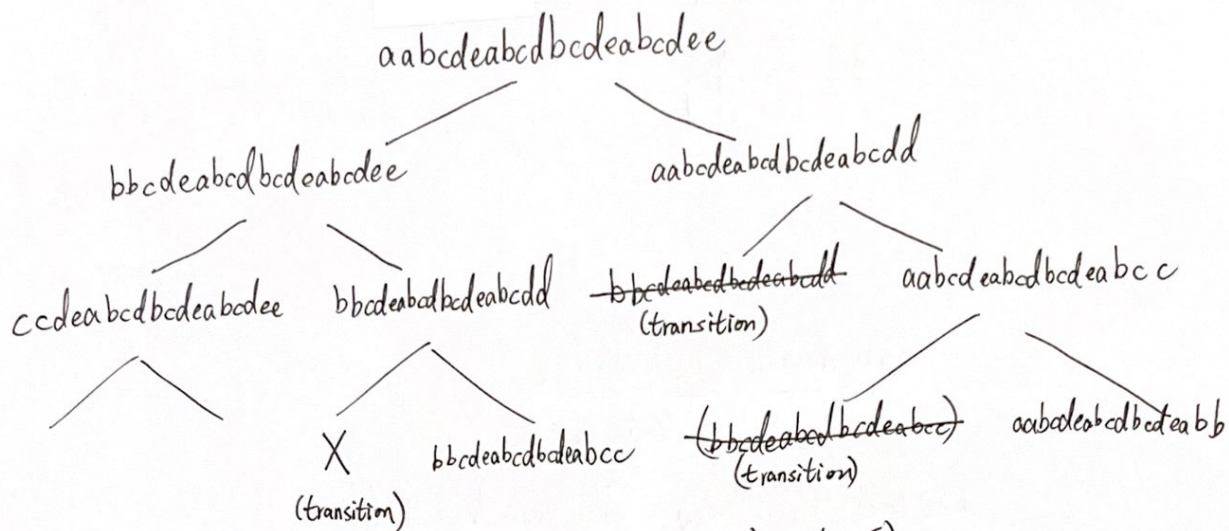
1. DLP game:

aa	→	b e
bb	→	c a
cc	→	d b
dd	→	e c
ee	→	a d

① DB search:

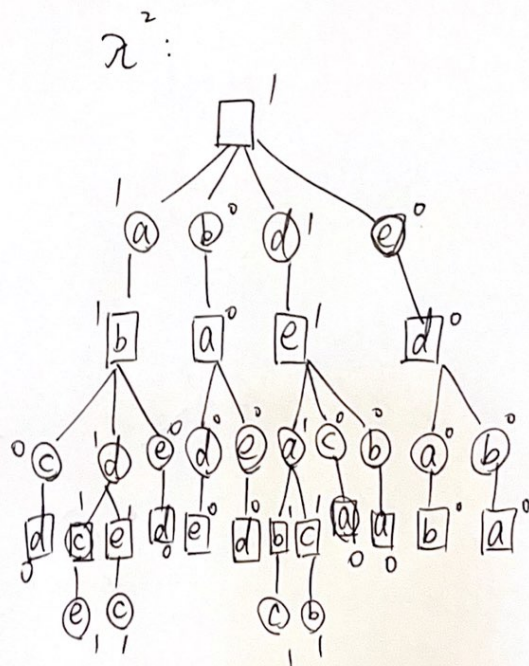
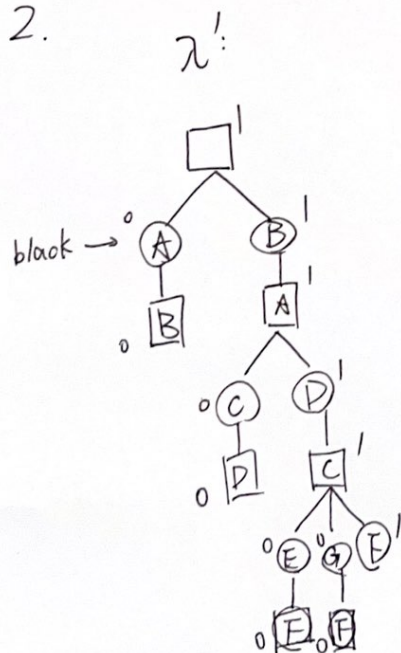


② traditional search:



With transition table:  $\hat{=} 10 \times 10 = 100$   
 Without transition table:  $\hat{=} 2^{20}$

2.



3.  $\overbrace{d12, d6, e11, e7}^{IX}, \overbrace{m14, m11, m9}^{I}$