

cat and dog

dict [cat, and, dog]

f

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

T

loop 1

$i = 1$

$i \leq 9$

$j = 0$

$j < 1$

if $f[0]$ and $s.sub(0, 1)$ in dict
cat in dict X

$j = 1$

$j < 1$

loop 2

$i = 2$

$i \leq 9$

$j = 0$

$j < 2$

if $f[0]$ and $s.sub(0, 2)$ in dict
true
ca in dict X

$j = 1$

$j < 1$

$f[i]$

false X

$s.sub(1, 2)$ in

a in dict X

loop 3

$i = 3$

$i \leq 9$

$j = 0$

$j < 3$

if $f[0]$ and $s.sub(0, 3)$ in dict
cat in dict ✓

$f[3] = \text{true}$

break

$l = 4$