

$\{a,b\} = 0$
 $\{c,d,r\} = 1$

abracadabra
00101010010
0 1 2 3 4 5 6 7 8 9 10

0

1

$\text{rank}(8, 'a') = ?$

$\text{rank}_{\text{bin}}(8, 0) = 5$

$\text{rank}_{\text{bin}}(5, 0) = 4$



$\{a\} = 0$
 $\{b\} = 1$

abaaaba
0100010
0 1 2 3 4 5 6