

09-E1

9. 词典

基数排序 算法

邓俊辉

deng@tsinghua.edu.cn

词典序

❖ 有时，关键码由多个域组成： k_t, k_{t-1}, \dots, k_1

❖ 若将各域视作字母，则关键码即单词

❖ 于是，可按照词典方式排序 `lexicographic order`

❖ $\spadesuit A > \spadesuit K > \spadesuit Q > \spadesuit J > \spadesuit 10 > \dots > \spadesuit 2$

$\heartsuit A > \heartsuit K > \heartsuit Q > \heartsuit J > \heartsuit 10 > \dots > \heartsuit 2$

$\diamondsuit A > \diamondsuit K > \diamondsuit Q > \diamondsuit J > \diamondsuit 10 > \dots > \diamondsuit 2$

$\clubsuit A > \clubsuit K > \clubsuit Q > \clubsuit J > \clubsuit 10 > \dots > \clubsuit 2$

❖ **低位优先**：自 k_1 到 k_t ，依次以各域为序，做一趟桶排序

❖	3280	5112	5112	4320	6441
	4320	7214	7214	3280	5276
	4698	5276	4320	6441	4320
	5112	3280	6441	5112	7214
	5276	4320	5276	7214	4698
	6441	6441	3280	5276	3280
	7214	4698	4698	4698	5112