12.排序

希尔排序 Sedgewick序列

邓俊辉

deng@tsinghua.edu.cn

Sedgewick's Sequence

- ❖ Pratt's sequence performs best asymptotically but
 - requires too many iterations and hence
 - is not good for pre-sorted sequences
- ❖ Sedgewick 's sequence: a combination of PS's sequence with Pratt's

- worst $\mathcal{O}(n^{4/3})$ & average $\mathcal{O}(n^{7/6})$
- best performance in practice
- \diamond Is there a step sequence with o(nlogn) worst-case performance?