排序

希尔排序:Sedgewick序列

邓俊辉 deng@tsinghua.edu.cn

Sedgewick's Sequence

- ❖ Pratt's sequence 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
- **\clubsuit** Is there a step sequence with $\mathcal{O}(n \cdot \log n)$ worst-case performance?