

1 Increasing numbers

This graphs consists of a sequence of numbers $\alpha_i \in \mathbb{Z}$ appearing in random (not sorted) order from left to right.

$$\{\alpha_1, \dots, \alpha_n\}$$

We set $s = \alpha_1$ and $t = \alpha_n$. Odd numbers are red. Two numbers α_i, α_j are connected if:

- $i < j$
- $\alpha_i < \alpha_j$

The edges are directed from the smaller to the larger number. Some examples:

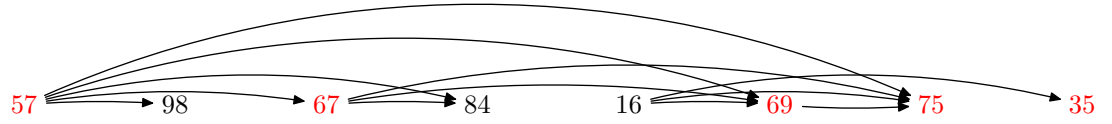


Figure 1: n=8

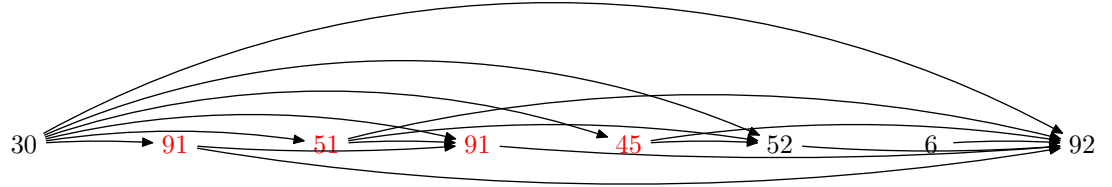


Figure 2: n=8

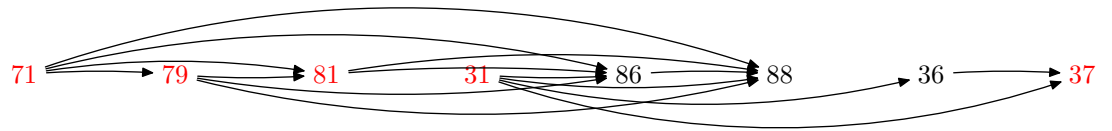


Figure 3: n=8