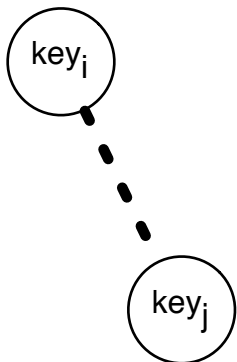


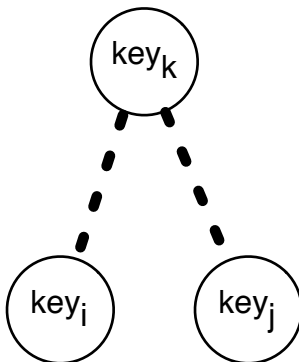
$$\text{key}_i < \text{key}_j$$

$$p_i = \max(p_i, \dots, p_j)$$



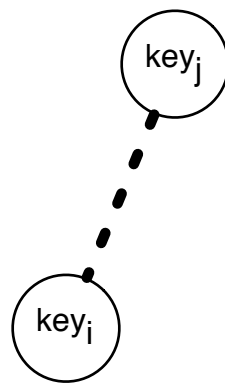
$$A_i^j = 0$$

$$p_k = \max(p_i, \dots, p_j) \quad i < k < j$$



$$A_i^j = 0$$

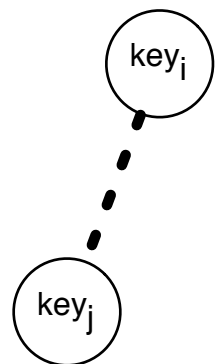
$$p_j = \max(p_i, \dots, p_j)$$



$$A_i^j = 1$$

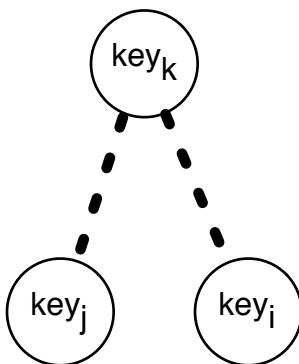
$$\text{key}_i > \text{key}_j$$

$$p_i = \max(p_j, \dots, p_i)$$



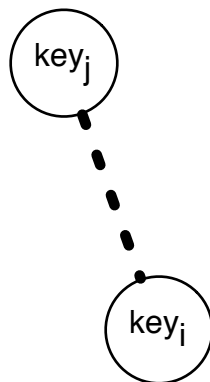
$$A_i^j = 0$$

$$p_k = \max(p_j, \dots, p_i) \quad i < k < j$$



$$A_i^j = 0$$

$$p_j = \max(p_j, \dots, p_i)$$



$$A_i^j = 1$$