

4. 栈与队列

(x1) Steap + Queap

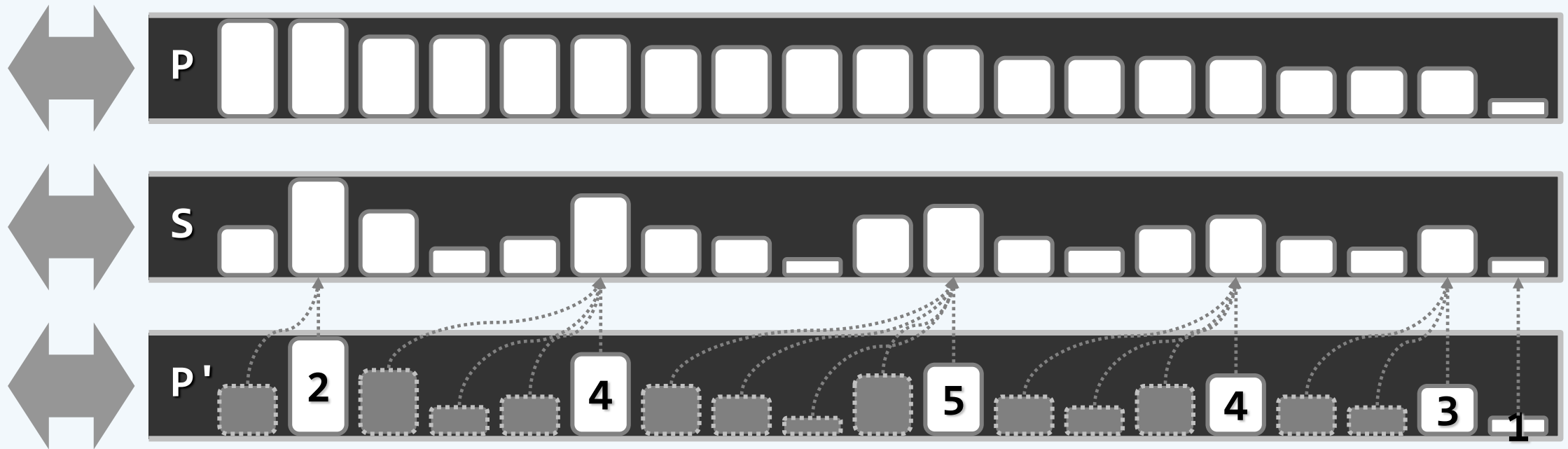
邓俊辉

deng@tsinghua.edu.cn

Steap = Stack + Heap = push + pop + getMax

❖ `S.pop(); P.pop();` //O(1)

❖ `S.push(e); P.push(max(e, P.top()));` //O(1)



Queap = Queue + Heap = enqueue + dequeue + getMax

❖ Q.dequeue(); P.dequeue(); //O(1)

❖ Q.enqueue(e); P.enqueue(e);

for (x = P.rear(); x && (x->key <= e); x = x->pred) //最坏情况O(n)

x->key = e;

