

4. 栈与队列

(xa) Steap + Queap

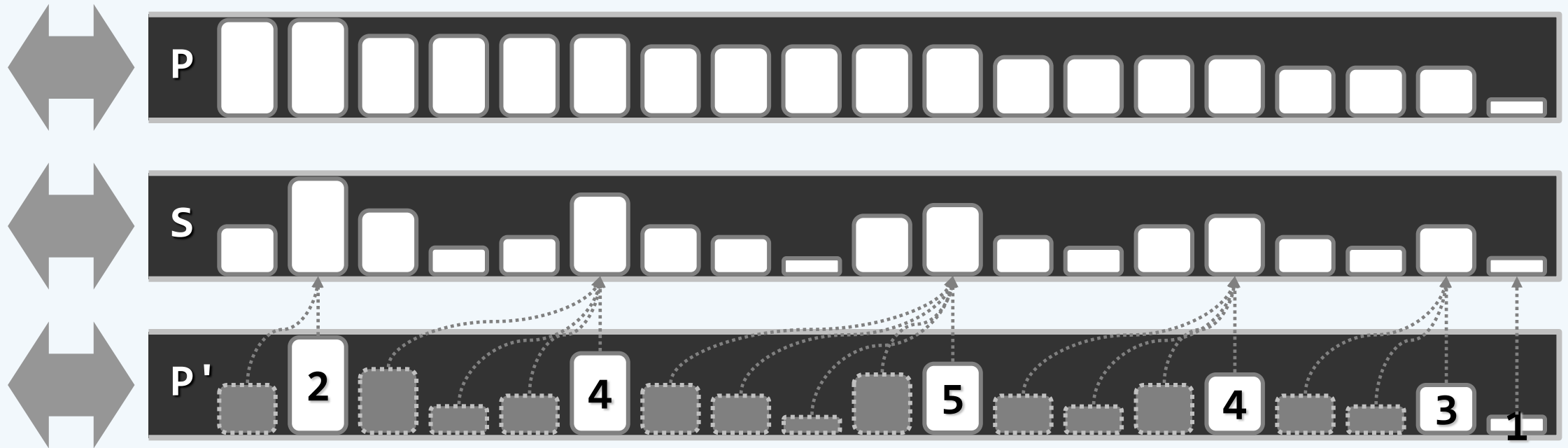
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Steap = Stack + Heap = push + pop + getMax

❖ `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;

