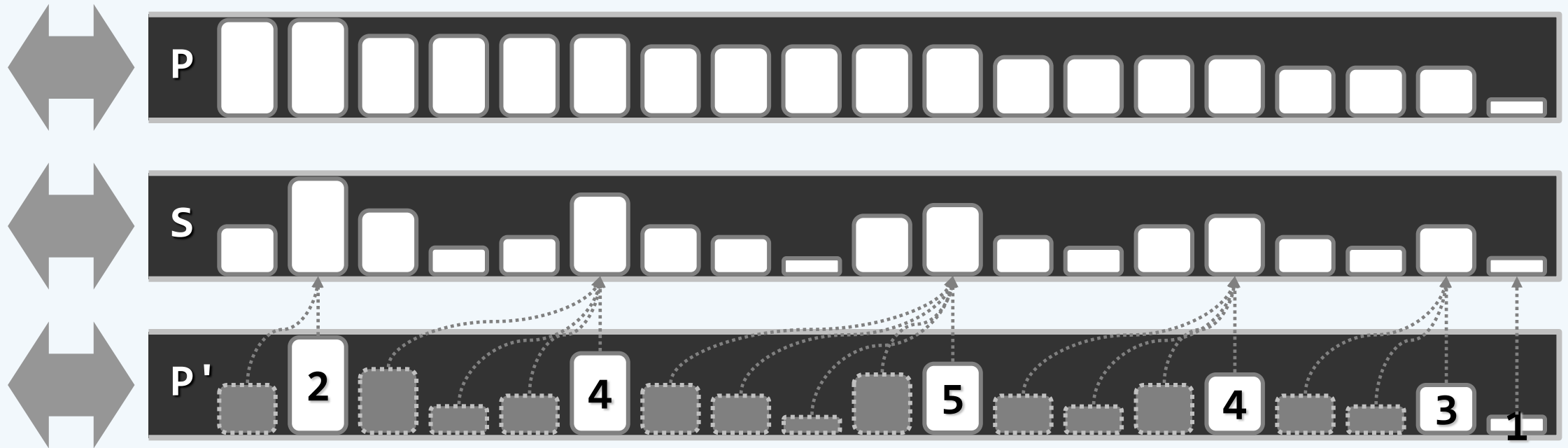# 4.栈与队列

(x1) 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;

P

Q

P'   2   4   5   4   3
                                          1