

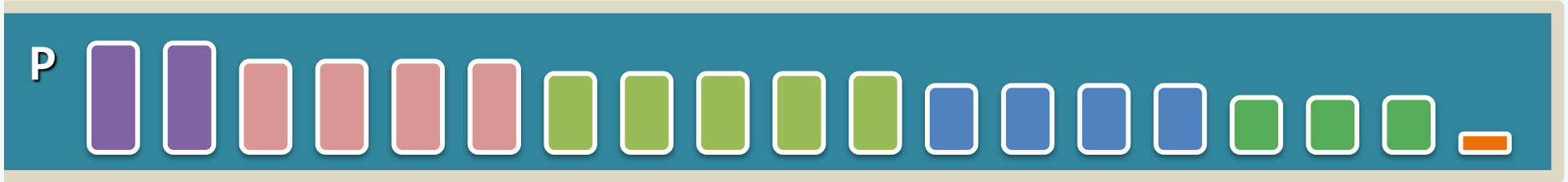
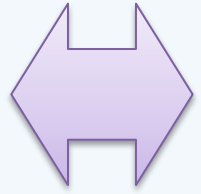
4. 栈与队列

Steap + Queap

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Steap = Stack + Heap = push + pop + getMax



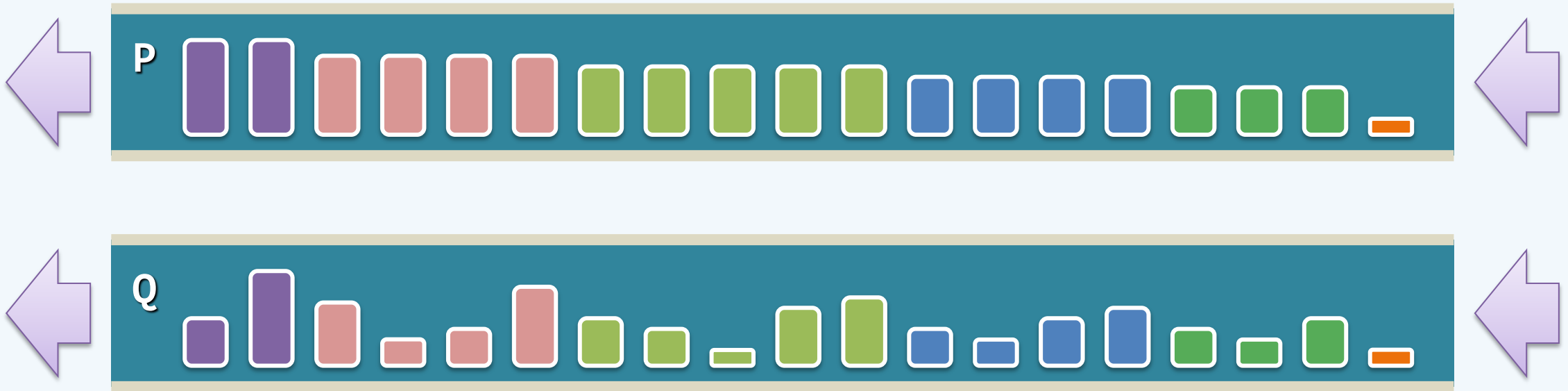
❖ `S.pop(); P.pop(); //O(1)`

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

Steap = Stack + Heap = push + pop + getMax



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;`

Queap = Queue + Heap = enqueue + dequeue + getMax

