# 用栈实现队列

## 代码

function queue(nums) {  
 this.stack = nums || [];  
 this.helperStack = [];  
}  
  
queue.prototype.push = function(ele) {  
 // push  
 // pop  
 let cur = null;  
 while ((cur = this.stack.pop())) {  
 this.helperStack.push(cur);  
 }  
 this.helperStack.push(ele);  
  
 while ((cur = this.helperStack.pop())) {  
 this.stack.push(cur);  
 }  
};  
  
queue.prototype.pop = function() {  
 return this.stack.pop();  
};  
  
// test  
const q = new queue();  
q.push(1);  
q.push(2);  
q.push(3);  
q.push(4);  
  
console.log(q.stack);  
console.log(q.helperStack);  
  
q.push(5);  
  
console.log(q.stack);  
console.log(q.helperStack);  
  
console.log(q.pop()); // 1  
console.log(q.pop()); // 2  
console.log(q.pop()); // 3