

9.快速选择

- y总模板

```
1 int quickSelect(vector<int>& nums, int l, int r, int k){
2     if(l == r) return l;
3
4     int i = l - 1, j = r + 1;
5     int x = nums[l];
6     while(i < j){
7         while (nums[++i] < x) ;
8         while (nums[--j] > x) ;
9         if(i < j) swap(nums[i], nums[j]);
10    }
11    int sl = j - l + 1;
12    if(sl < k) return quickSelect(nums, j + 1, r, k - sl);
13    else return quickSelect(nums, l, j, k);
14 }
```