Code vs Code

```
我的 Code 实在太长需要裁减,尤其
import copy
class TopVotedCandidate(object):
                                      这些尤其实生
  def __init__(self, persons, times):
    :type persons: List[int]
    :type times: List[int]
                                                    J.以使用Collections.defaultdictlist
                          人合成-行
    self.persons = persons
    self.times = times
    diffs = \Pi
    cur_diff = {} # person_id => [cnt, last_idx]
    for idx, time in enumerate(self.times):
      if self.persons[idx] in cur_diff:
        cur_diff[self.persons[idx]] = [cur_diff[self.persons[idx]][0] + 1, idx]
                                                     Cur_diff[person_id]
        cur_diff[self.persons[idx]] = [1, idx]
                                                          Crum, least index)
      max cnt = -1
      max idx = -1
      res_id = -1
      for person_id, v in cur_diff.items():
                                                                多字不需第二层for
        last_idx = v[1]
        if cnt > max_cnt:
                                                       循环,只要通过一下Max Count
          res_id = person_id
          max_cnt = cnt
          max idx = last idx
        elif cnt == max cnt:
          if last_idx > max_idx:
                                 赋值语自合成一行.
             res_id = person_id
             max_cnt = cnt
             max_idx = last_idx
      diffs.append(res id)
                           忘记使用Cache 优化点、
    self.diffs = diffs
  def q(self, t):
    :type t: int
    :rtype: int
    # get the leading vote
    # find the nearest time idx
    idx = self.getNearTimeldx(0, len(self.times) - 1, t)
    return self.diffs[idx]
                                              两分法可使用bisect类研究号
  def getNearTimeldx(self, low, high, time):
    if low >= high:
                                          ②两份法写得太复杂
                                          bi Sect_right(a, X) = low, high=o,(len(a))
```

return low

else:

else:

return mid

print obj.q(t)

 $self.Q = \{\}$

```
While low Chigh =
                                                    mid = (lowthigh) 1/2.

if X < a [mid]: high=mid.
                                                      else: low=mid+1.
    if high - low == 1:
      if self.times[high] == time:
                                                  return low. .
         return high
      elif self.times[high] > time:
         return low
                                              武写316行而只用6行即可和且
         return high
                                              还不需要用到递归
    mid = int((low + high) / 2)
    if self.times[mid] == time:
    elif self.times[mid] > time:
      return self.getNearTimeldx(low, mid, time) # maybe include mid
      return self.getNearTimeldx(mid, high, time)
if __name__ == "__main__":
  obj = TopVotedCandidate([0, 1, 0, 1, 1], [24, 29, 31, 76, 81])
  for t in [28, 24, 29, 77, 30, 25, 76, 75, 81, 80]:
class TopVotedCandidate(object):
  def __init__(self, persons, times):
    maxCount = 0
    d = collections.defaultdict(int)
                                                  别人代码简直比我好太多
    self.cache = {}
    for i in range(len(persons)):
      d[persons[i]] += 1
      if d[persons[i]] >= maxCount:
         maxCount = d[persons[i]]
         self.Q[times[i]] = persons[i]_
    self.res = sorted(self.Q.keys())
```

def q(self, t): if t not in self.cache: index = bisect.bisect_right(self.res, t) self.cache[t] = self.Q[self.res[index-1]] return self.cache[t]