Count Number of Teams (/problems/count-number-of-teams/)

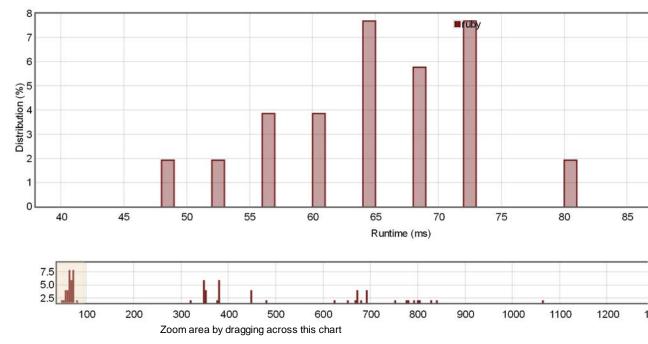## Submission Detail

53 / 53 test cases passed.

Status: Accepted

Runtime: **32 ms**
Memory Usage: **9.3 MB**

Submitted: **0 minutes ago**

Accepted Solutions Runtime Distribution

Zoom area by dragging across this chart

Accepted Solutions Memory Distribution

Sorry. We do not have enough accepted submissions to show distribution chart.

Invite friends to challenge **Count Number of Teams**

Submitted Code: 0 minutes ago

Language: ruby

Edit Code

```ruby
 1  # @param {Integer[]} rating
 2  # @return {Integer}
 3  def num_teams(rating)
 4      n = rating.size
 5
 6      rs = [] # rating[] sorted
 7      rating.each_with_index{|r,i|
 8          j = rs.bsearch_index{|_,| r<_ }||rs.size
 9          rs.insert(j,[r,i,j])
10      }
11
12      t = 0
13      rs.each_with_index{|(r,ln,ll),nl|
14          #    nl = # of lower ratings than the r.
15          # ln/rn = # of      ratings on the left/right of the r.
16          # ll/rl = # of lower ratings on the left/right of the r.
17          # lu/ru = # of upper ratings on the left/right of the r.
18          rn = n-1-ln
19          lu = ln-ll
20          rl = nl-ll
21          ru = rn-rl
22
23          t += lu*rl
24          t += ll*ru
25      }
26      return t
27  end
28
```

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