

Race Results

24 February 2022 12:52

Parent competition class

General, Points & Mountain child classes

Final results → getter

Type of competition] input

riders hashmap

General Classification

Hashmap of riders to cumulative finishing times

results from register Rider Results

In Stage

Rider 1 00:00 +=
Rider 2 01:45 +=
Rider 3 20:03 +=

Race

4 stages

loop through all stages in race
and get cumulative time

Method:

Sorting algorithm to get
times in ascending order

Possible error checking
can't return result until all
stages in Race completed

super()

Table: xc

Mountain Classification

Same as points but

No ①

② check for categorised climb

no sprints
only climbs

③ uses different table

Points classification

HashMap Riders to points

no climbs
On sprints

- ① loop through each stage and get rank order
- ② loop through each segment in stage and check for intermediate Sprint segment type, get rank order 15 riders for points up to 8 riders for Mountain

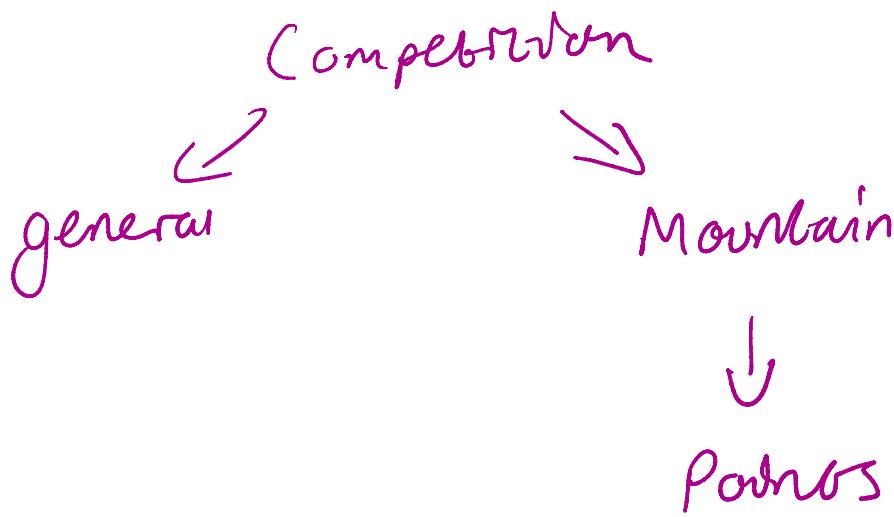
Method:

- ③ apply table of points to rank and then add to each rider

Final points are the cumulative sum of rank order of finishing a stage converted into points in terrain type

a stage --
depending on terrain type
+
rank order of climbing Mtns.
converted into points

+
rank order of fastest time
downhills converted into
points



Time trial - special stage no
Se

Mountains

Hashmap of riders to points

M: gets rank order from segments

M: converts rank order into points

Points

NM: gets rank order from stage

NM: gets rank order from time
trials

M: converts rank order into points
different conversions for PC

$T \in \mathbb{R}$ $I \in \mathbb{R}$ $F \in \mathbb{R}$

