```
Population< Tinput,
         Toutput >
   # data
   # dimension
   # n items

    random ms

   + Population()
   + ~Population()
   + fillWithRandom()
   + printPopulation()
   + getData()
   + getData()
   + setData()
   + swap()
PopulationBenchmark  
    < Tinput, Toutput >
- cost
- min cost
min_cost_i

    asc index

+ PopulationBenchmark()
+ ~PopulationBenchmark()
+ evaluateCost()
+ calcCost1ltem()
+ sortIndexByCostAsc()
+ saveBest()
+ printCost()
+ printIndex()
+ setDataAndCost()
+ calculateMinCost()
+ getMinCost()
+ getMinCostData()
+ calcCostExt()
+ swap()
              +m info
  PopulationBenchmark
  < Tinput, Toutput >
  ::doCompare< Tinput,
         Toutput >
  + doCompare()
  + operator()()
```