```
GeneticAlgorithm < Tinput,
             Toutput >

    population

    parameters

    cost

- new population cost

    fitness

    total fitness

    new population

- population_asc_index
- new population asc
 index

    ms random generator

+ GeneticAlgorithm()
+ ~GeneticAlgorithm()
+ findBestSolution()
+ printInputPopulation()
+ printNewPopulation()
+ printCost()
+ printFitness()
sortPopulationByIndexAsc()
sortNewPopulationBvIndexAsc()
saveResult()
randomInit()
evaluateCost()
getFitness()
select()
selectParent()
crossover()
reduce()
mutate()
printPopulation()
keepInRange()
                  +m info
    GeneticAlgorithm < Tinput,
      Toutput >::doCompare
    + doCompare()
    + operator()()
```