```
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()
sortNewPopulationByIndexAsc()
saveResult()
randomInit()
evaluateCost()
- getFitness()
- select()
- selectParent()
crossover()
- reduce()
- mutate()
- printPopulation()
```

keepInRange()