```
pyecom.algorithms.metaheuristics.base
    metaheuristic.BaseMetaheuristic
     +
            n iter
            iter tolerance
     +
            epsilon tolerance
            pop size
     +
            pop dim
     +
     +
               init_()
pyecom.algorithms.metaheuristics.hyde
              df.HydeDF
       lower bound
  +
       upper bound
       initial f weight
  +
       initial f cr
      f weight
      f cr
  +
      fvr rotation
       population
       population fitness
  +
       population old
  +
       and 13 more...
         init ()
  +
       initialize()
       get best()
  +
       update_population()
       selection mechanism()
  +
       post update cleanup()
  +
       check_stopping_criteria()
  +
       _generate_population()
  #
  #
       update()
  #
       initial_check()
       calculate linear decrease()
  #
  #
       operator()
  #
       update hyde params()
```