LOCALSEARCH=bfgs

SAMPLER=uniform

TERMINATION=similarity

elif [ $METHOD = "MFO" ]

then

METHODPARAMS="--mfo\_count=200 --mfo\_maxiters=200 --mfo\_lrate=0.05 --mfo\_strategy\_mode=aggressive --stoppingRule=similarity"

**elif** [ $METHOD = "DifferentialEvolution" ]

**then**

##de\_np:          The population size.

##de\_f:           The differential weight

##de\_cr:          The mutation parameter

##de\_tsize:       The tournament size for the tournament selection

##de\_maxiters:    The maximum number of parameters

##de\_fselection:  The selection of differential weight. Values: number, ali, random, adaptive, migrant

##de\_localsearch: Enable or disable the incorporation of local search at every iteration. Values: yes,no

##de\_selection:   The selection method used in every iteration. Values: random, tournament

METHODPARAMS="--de\_np=200 --de\_maxiters=200 --de\_selection=random --de\_fselection=adaptive --de\_lrate=0.05"

**elif** [ $METHOD = "ACO" ]///idies SAO, AOA, Woa, MeWoa

**then**

METHODPARAMS="--population=200 --maxiters=200 --localsearchRate=0.05"

**elif** [ $METHOD = "Genetic" ]

**then**

#gen\_lrate: local search rate

#gen\_srate: crossover rate

#gen\_mrate: mutation rate

#gen\_tsize: tournament size

#gen\_selection: selection scheme (tournament|roulette)

#gen\_crossover: crossover scheme (double,uniform,onepoint)

#gen\_mutation: mutation  scheme (double|random)

#gen\_termination: termination method (maxiters|doublebox|similarity)

#gen\_count: number of chromosomes

#gen\_maxiters: maximum number of generations

METHODPARAMS="--gen\_lrate=0.05 --gen\_srate=0.05 --gen\_mrate=0.05 --gen\_tsize=8 --gen\_selection=roulette--gen\_crossover=double --gen\_mutation=double --gen\_count=200 --gen\_maxiters=200"

**elif** [ $METHOD = "iPso" ]

**then**

#ipso\_particles: number of pso particles

#ipso\_maxgenerations: maximum number of generations allowed

#ipso\_localsearch\_rate: the rate of local search applications

#ipso\_stoppingrule: the stopping rule used (mean\_fitness,best\_fitness,doublebox,ali)

#ipso\_gradientcheck: usage of gradient rejection rule (true|false)

#ipso\_inertiatype: selection of inertia calcuation mechanism

METHODPARAMS="--ipso\_particles=200 --ipso\_maxgenerations=200 --ipso\_localsearch\_rate=0.05 --ipso\_stoppingrule=similarity --ipso\_gradientcheck=false --ipso\_inertiatype=20"