Input: Original pool(Sorted by fitness) Pool of offsprings, Network data, Size Ouput: Next Generation Input: Original pool. Pool of offsprings, Network data, Size Procedure: Default Selection(original pool, pool of offsprings, network data, size) Ouput: Next Generation Start procedure Crossover (original pool, pool of offsprings, network data).
Procedure: Tournament Selectionical gainting on concedure: Tournament Selectionical gainting of offsprings, network data, size)
Mutation (pool of offsprings, network data, pool size)
Label: Repeat till loop index < pool size
Label: Repeat till loop index = selection of offsprings hoop index]

Model problem pool of offsprings hoop index]
Index = select candidates = k(original pool, size)
Index = select candidates = k(original pool, size)
Add original pool [Index], to intermediate pool
Jump to Label Jump to Label

General pool, intermediate pool, pool of offsprings, network data singlective

General pool of offsprings, pool sizeboop index:

populating process of offsprings, network data, size

populating pool of offsprings, network data, size

function value of the continuity pool replacing the old population DP.

Index process of offsprings to the original pool replacing the old population DP. End procedure of both the original pool and offspring pool into a new generation considering the best candidates from both and discarding the others
Procedure: select_candidates_k Yes
End procedure
Description: Play a tournament with k random candidates and select the winner. Here the Algorithm: Crossover winner is the candidate with the est fitness. RAND, MAX := Upper bound of the range from which random number Bagenerotted scheetism Algorithm: IF and Based Selection a predefined constant in the standard C library.

nonulation[i] Yes loop_index:j No scheme specified in the sense of the respective scheme specified in the sense of the sense scheme specified in the population[j] config file the respective Input Griging Fool Sorted by fitness applyabilities assigned, the re input Soriging Fool Sorted by fitness applyabilities assigned, the re input solid of offsprings, intermediate pool of offsprings, Network data, Size Quiput: Next Generation

1. Default select 1. Default selection 2. Rank based selection rocedure: Crossevergoriginal pool intermediate pool, pool of offsprings, network data selection tart procedure start procedure selection scheme for the pool of offsprings to the original pool replacing the old population

End procedure

Do not crossover the 2 candidates at positions to dex1 and index2. Skip the rest of the loop and jump back to Eabel. Sign Selection Propabilities ਲੋਧੇ == index2 THEN skip the remigining part of roop and jump back to Label \$olve the TAP by calling Procedure: assign selection rb prob(original pool, size)
IF the above offspring is budget feasible AND Star procedure, the above offspring is not a duplicate from original pool AND Evaluate the file spoye offspring is not a duplicate from the current offspring pool AND DNDP gives pove offspring is non zero THEN

solution: Repeat till loop index < size solution: Add this to the offspring pool

ELSE original pool[loop_index].selection_prob = fitness / total_fitness candidates Next generation of titness = fitness - 1 Repeat the above process till MAX_ATTEMPTS by skipping the rest of the loop Jump to Label and jumping back to Label. End procedures