Step-1: Read availability of memory, iteration limit, cycle limit, phase limit, priority checker, available data[Ai],given input data [Aj],case history list.

Step-2:Read the available data[Ai] and compare it’s priority with the given input data[Aj] using priority checker.If the priority of [Ai] is greater than [Aj] then send Ai to the solver else [Aj] will be send to solver and GO TO step [3].

Step-3:Now check whether the solution comes from previous step in Good or Bad by checking the previous case history list.If it is Good then GO TO step-[4],else GO TO step[11].

Step-4: If the solution is good then update the memory after iteration,GO TO step[5] else GO TO step[8].

Step-5: If the good solution is available within the cycle limit then GO TO step[6] else GO TO step[9].

Step-6:If the good solution is available within the phase limit,the GO TO step[7],else GO TO step[10].

Step-7:The solution is the best solution according to the solution.

Step-8:poor iteration.

Step-9:Cycle limit exceeded and poor solution

Step-10: Phase limit exceeded and poor solution

Step-11:poor solution.