Calculation of crowding distance after sorting f1 objective :

In the formula F[i+1].m denotes the mth objective function value succeding and

F[i-1].m denotes mth objective function value preceeding of ith solution in the sorted solutions.

F[2]distance=0 +(3-1)/(7-1) = 2/6

F[3]distance= 0 + (5-2)/(7-1) = 3/6

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F[5]distance=0+ (7-5)/(7-1) = 2/6

Calculation of crowding distance after sorting f2 objective :

Sort the solution based on f2.

After sorting (x6,x5,x4,x3,x2,x1)

here solution 2 is x5

F[2] = (2/6) + (3-1)/ ((6-1) = (2/6) + (2/5)

F[3]= (3/6) + (4-2)/(6-1) = (3/6) + (2/5)

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