

**Exercise**

|       |    |    |    |    |
|-------|----|----|----|----|
| jobs  | 1  | 2  | 3  | 4  |
| $p_j$ | 10 | 10 | 13 | 4  |
| $d_j$ | 4  | 2  | 1  | 12 |
| $w_j$ | 14 | 12 | 1  | 12 |

Apply the tabu-search technique starting out with the 2,1,4,3 as an initial sequence.

Neighbourhood: all schedules that can be obtained through adjacent pairwise interchanges.

(a) Keep the length of the tabu-list equal to 1.  
Apply the technique for four iterations.

(b) Keep the length of the tabu-list equal to 3.  
Apply the technique for four iterations