# Sample Output EDF schedules

Note that for each task set, there are multiple EDF schedules.

**samplefile1.txt**:

1 1 0 2
2 1 0 3
3 1 1 2
4 1 1 2
5 1 1 3
6 1 3 4
7 1 3 4
8 1 3 4
9 1 3 4
10 1 4 6
11 1 6 7
12 1 6 7
13 1 7 8
14 1 7 8
15 1 7 9
16 1 7 10

A feasible EDF schedule on 4 cores:

1 Core1 0 2 Core2 0 3 Core1 1 4 Core2 1 5 Core3 1 6 Core1 3 7 Core2 3 8 Core3 3 9 Core4 3 10 Core1 4 11 Core1 6 12 Core2 6 13 Core1 7 14 Core2 7 15 Core3 7 16 Core4 7

An infeasible EDF schedule on 3 cores:
1 Core1 0 2 Core2 0 3 Core1 1 4 Core2 1 5 Core3 1 6 Core1 3 7 Core2 3 8 Core3 3 9 Core1 4 …

where task 9 misses its deadline.

**Samplefile2.txt**:

1 1 2 3

2 1 2 3

3 1 2 3

4 1 4 5

5 1 4 5

6 1 7 9

7 1 7 9

8 1 7 9

9 1 7 9

10 1 7 9

11 1 7 9

12 1 7 9

13 1 7 9

14 1 7 9

15 1 7 9

16 1 10 11

17 1 10 11

18 1 10 11

19 1 10 11

20 1 10 12

A feasible EDF schedule on 5 cores:

1 Core1 2 2 Core2 2 3 Core3 2 4 Core1 4 5 Core2 4 6 Core1 7 7 Core2 7 8 Core3 7 9 Core4 7 10 Core5 7 11 Core1 8 12 Core2 8 13 Core3 8 14 Core4 8 15 Core5 8 16 Core1 10 17 Core2 10 18 Core3 10 19 Core4 10 20 Core5 10

An infeasible schedule on 4 cores:
1 Core1 2 2 Core2 2 3 Core3 2 4 Core1 4 5 Core2 4 6 Core1 7 7 Core2 7 8 Core3 7 9 Core4 7 10 Core1 8 11 Core2 8 12 Core3 8 13 Core4 8 14 Core1 9 …

where task 14 misses its deadline.

**samplefile3.txt**:

1 7 0 7

2 5 0 5

3 4 6 12

4 7 4 12

5 6 4 18

6 4 12 16

7 5 16 23

8 10 15 27

9 6 20 29

10 7 24 33

11 5 26 33

12 5 32 38

An infeasible EDF schedule on 2 cores:

2 Core1 0 1 Core2 0 4 Core1 5 3 Core2 7 5 Core 2 11 6 Core 1 12 7 Core 1 16 8 Core2 17 9 Core 1 21 10 Core1 27 …

where task 3 and task 10 miss their deadlines.

**samplefile4.txt**:

1 4 0 10

2 6 0 15

3 2 2 6

4 2 2 8

5 2 2 8

6 5 1 13

7 5 2 13

8 5 5 18

9 3 5 19

10 2 5 19

11 4 6 24

12 5 6 24

A feasible EDF schedule on 2 cores:

1 Core1 0 2 Core2 0 3 Core1 4 4 Core1 6 5 Core2 6 6 Core1 8 7 Core2 8 8 Core1 13 9 Core2 13 10 Core2 16 11 Core1 18 12 Core2 18