

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 10 misses its deadline.

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