



```
1 Task task1 = new Task(  
2     40,  
3     30,  
4     List.of(  
5         new Chunk(  
6             1,  
7             new ConstantSampler(new BigDecimal(4)),  
8             new UniformSampler(new BigDecimal(-1), new BigDecimal(2))),  
9         new Chunk(  
10            2,  
11            new ConstantSampler(new BigDecimal(4)),  
12            new UniformSampler(new BigDecimal(-1), new BigDecimal(1))),  
13            new Chunk(  
14                3,  
15                new ConstantSampler(new BigDecimal(4)),  
16                new UniformSampler(new BigDecimal(-1), new BigDecimal(1))));  
17 Task task2 = new Task(  
18     50,  
19     40,  
20     List.of(  
21         new Chunk(  
22             1,  
23             new ConstantSampler(new BigDecimal(4)),  
24             new UniformSampler(new BigDecimal(-1), new BigDecimal(1))),  
25         new Chunk(  
26             2,  
27             new ConstantSampler(new BigDecimal(5)),  
28             new UniformSampler(new BigDecimal(-1), new BigDecimal(1))));  
29 Task task3 = new Task(  
30     80,  
31     80,  
32     List.of(  
33         new Chunk(  
34             1,  
35             new ConstantSampler(new BigDecimal(7)),  
36             new UniformSampler(new BigDecimal(-1), new BigDecimal(2))));  
37 Task task4 = new Task(  
38     100,  
39     100,  
40     List.of(  
41         new Chunk(  
42             1,  
43             new ConstantSampler(new BigDecimal(6)),  
44             new UniformSampler(new BigDecimal(-1), new BigDecimal(3))),  
45         new Chunk(  
46             2,  
47             new ConstantSampler(new BigDecimal(6)),  
48             new UniformSampler(new BigDecimal(-1), new BigDecimal(3))));  
49 Task task5 = new Task(  
50     60,  
51     50,  
52     List.of(  
53         new Chunk(  
54             1,  
55             new ConstantSampler(new BigDecimal(5)),  
56             new UniformSampler(new BigDecimal(-1), new BigDecimal(1))),  
57         new Chunk(  
58             2,  
59             new ConstantSampler(new BigDecimal(5)),  
60             new UniformSampler(new BigDecimal(-1), new BigDecimal(2))),  
61         new Chunk(  
62             3,  
63             new ConstantSampler(new BigDecimal(5)),  
64             new UniformSampler(new BigDecimal(-1), new BigDecimal(1))));  
65 TaskSet taskSet = new TaskSet(Set.of(task1, task2, task3, task4, task5));  
66 Scheduler edf = new EDFScheduler(taskSet, 500);  
67 edf.scheduleDataset(10);
```