



```
1  Resource resource = new Resource();
2  Task task1 = new Task(
3      20,
4      20,
5      List.of(new Chunk(
6          1,
7          new ConstantSampler(new BigDecimal(10)),
8          List.of(resource))));
9  Task task2 = new Task(
10     40,
11     40,
12     List.of(
13         new Chunk(
14             1,
15             new ConstantSampler(new BigDecimal(5)),
16             List.of(resource)),
17         new Chunk(2, new ConstantSampler(new BigDecimal(4))),
18         new Chunk(
19             3,
20             new ConstantSampler(new BigDecimal(3)),
21             List.of(resource))));
22  TaskSet taskSet = new TaskSet(Set.of(task1, task2));
23  ResourcesProtocol pcp = new PriorityCeilingProtocolFaultSetPriority(-3, 3);
24  Scheduler rm = new RMScheduler(taskSet, pcp, 40);
25  rm.schedule();
```