



```
1  Resource res1 = new Resource();
2  Task task1 = new Task(
3      new ConstantSampler(new BigDecimal(30)),
4      new ConstantSampler(new BigDecimal(30)),
5      List.of(
6          new Chunk(1, new UniformSampler(new BigDecimal(14), new BigDecimal(20))),
7          new Chunk(2, new UniformSampler(new BigDecimal(2), new BigDecimal(10)), List.of(res1))));
8  Task task2 = new Task(
9      new ConstantSampler(new BigDecimal(60)),
10     new ConstantSampler(new BigDecimal(60)),
11     List.of(
12         new Chunk(1, new UniformSampler(new BigDecimal(10), new BigDecimal(30)), List.of(res1)),
13         new Chunk(2, new UniformSampler(new BigDecimal(15), new BigDecimal(30))));
14  TaskSet taskSet = new TaskSet(Set.of(task1, task2));
15  ResourcesProtocol protocol = new PriorityCeilingProtocolFaultAcquireResource(0.2);
16  RMScheduler scheduler = new RMScheduler(taskSet, protocol, Duration.ofMillis(60));
17  for (int i=0; i<100; i++)
18      try {
19          scheduler.schedule();
20      } catch (DeadlineMissedException e) {
21          continue;
22      }
```