DAT103
Obligatory Assignment 1 – Processor Scheduler

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Task 0

Task 1

```
JILD SUCCESSFUL in 859ms
 actionable tasks: 1 executed, 2 up-to-date
 uheibalasoow@158-37-196-171 dat103-scheduler % ./gradlew test --tests Simula
 Test.testFCFS

 Task :test

 imulationTest > testFCFS() PASSED

 eprecated Gradle features were used in this build, making it incompatible wi
 radle 8.0.

 ou can use '--warning-mode all' to show the individual deprecation warnings
 determine if they come from your own scripts or plugins.

 ee https://docs.gradle.org/7.6.2/userguide/command_line_interface.html#sec:c
 nd_line_warnings

 JILD SUCCESSFUL in 866ms
 actionable tasks: 1 executed, 2 up-to-date
 uheibalasoow@158-37-196-171 dat103-scheduler %
```

Task 2

```
BUILD SUCCESSFUL in 688ms
3 actionable tasks: 3 up-to-date
[zuheibalasoow@158-37-196-171 dat103-scheduler % ./gradlew test --tests Simu
nTest.testRR

> Task :test

SimulationTest > testRR() PASSED

Deprecated Gradle features were used in this build, making it incompatible
Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warning
 determine if they come from your own scripts or plugins.

See https://docs.gradle.org/7.6.2/userguide/command_line_interface.html#se
and_line_warnings

BUILD SUCCESSFUL in 859ms
3 actionable tasks: 1 executed, 2 up-to-date
zuheibalasoow@158-37-196-171 dat103-scheduler %
```
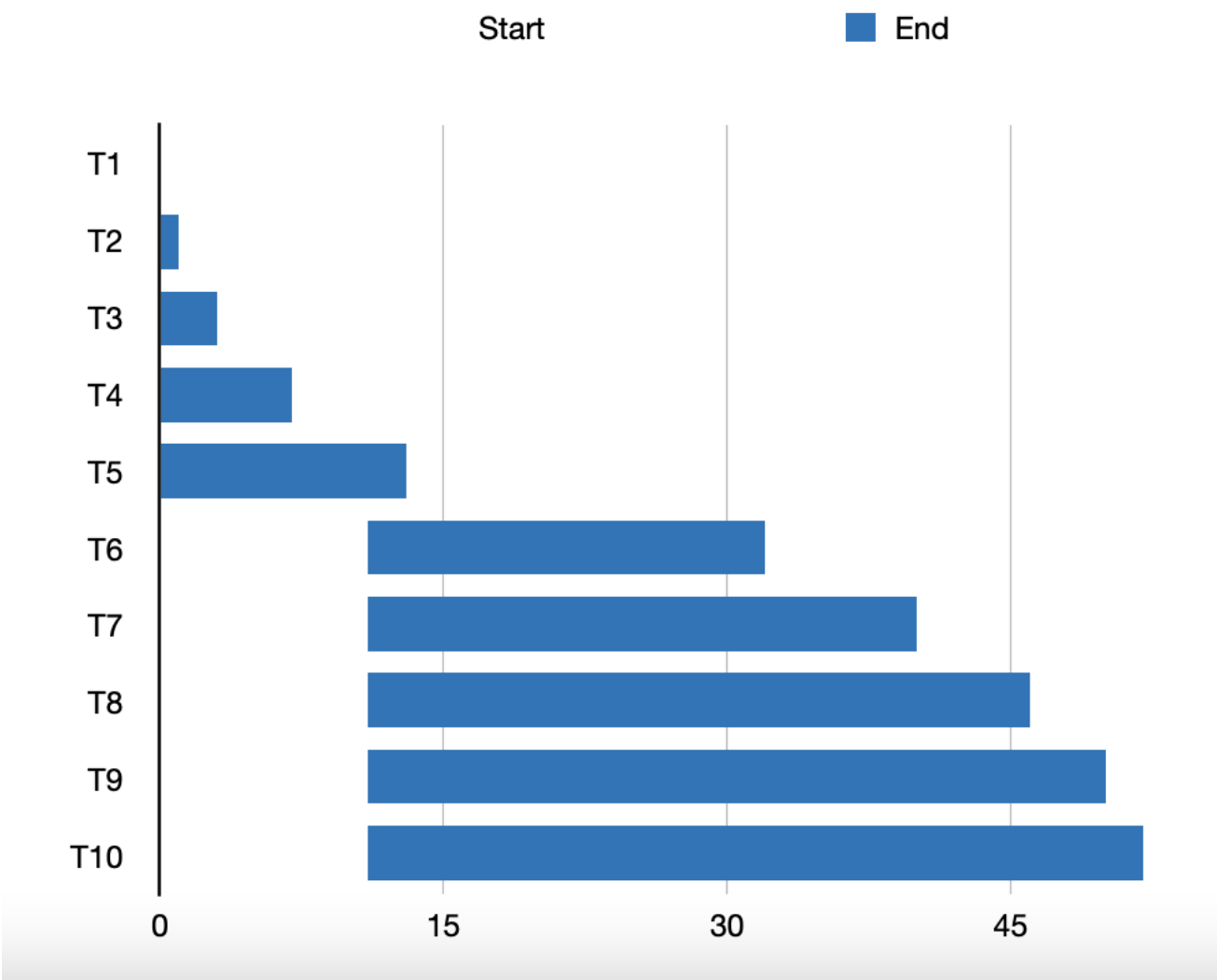
0   12

Task 3
First Come First Serve

- T10 er tar mest tid med 30 tidskvanta og T1 tar
  kortest tid med 0. Her er den gjennomsnittlige
  ventetiden 13,4.

Tabell 1

Tasks	Start	End
T1	0	0
T2	0	1
T3	0	3
T4	0	7
T5	0	13
T6	11	21
T7	11	29
T8	11	35
T9	11	39
T10	11	41

Start   ▮ End

Round Robin

- T5 tar lengst tid med 34 tidskvanta og igjen er det T1 som er kortest. Gjennomsnitt på ventetid denne gang er det 17,6

Tabell 1

	Start	End	Ventetid
T1	0	0	
T2	0	1	1
T3	0	10	3+7
T4	0	11	6+5
T5	0	34	9+17+8
T6	6	25	5+13+7
T7	9	21	8+13
T8	11	24	11+13
T9	11	24	24
T10	11	26	26