

Test with 5 philosophers :

(base) miro@Miros-slavs-MacBook-Pro pa3-distro % java DiningPhilosophers

5

Philosopher 3 has started eating.

5 philosopher(s) came in for a dinner.

Philosopher 1 has started eating.

Philosopher 3 has finished eating.

Philosopher 4 has started eating.

Philosopher 3 has started thinking.

Philosopher 3 has finished thinking.

Philosopher 4 has finished eating.

Philosopher 4 has started thinking.

Philosopher 3 has started eating.

Philosopher 1 has finished eating.

Philosopher 1 has started thinking.

Philosopher 5 has started eating.

Philosopher 3 has finished eating.

Philosopher 3 has started thinking.

Philosopher 2 has started eating.

Philosopher 2 has finished eating.

Philosopher 2 has started thinking.

Philosopher 5 has finished eating.

Philosopher 5 has started thinking.

Philosopher 3 has finished thinking.

Philosopher 3 has started talking.

Philosopher 1 has finished thinking.

Philosopher 1 has started eating.

Philosopher 3 says: If thee cannot speak, thee must be silent

Philosopher 3 has finished talking.

Philosopher 3 has started eating.

Philosopher 4 has finished thinking.

Philosopher 1 has finished eating.

Philosopher 1 has started thinking.

Philosopher 5 has finished thinking.

Philosopher 5 has started eating.

Philosopher 5 has finished eating.

Philosopher 5 has started thinking.

Philosopher 2 has finished thinking.

Philosopher 5 has finished thinking.

Philosopher 5 has started talking.

Philosopher 5 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...

Philosopher 5 has finished talking.

Philosopher 5 has started eating.

Philosopher 3 has finished eating.

Philosopher 3 has started thinking.

Philosopher 2 has started eating.

Philosopher 1 has finished thinking.

Philosopher 1 has started talking.

Philosopher 1 says: You know, true is false and false is true if you think of it
Philosopher 1 has finished talking.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: You know, true is false and false is true if you think of it
Philosopher 3 has finished talking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 3 has started eating.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 1 has started eating.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: My number is 2
Philosopher 2 has finished talking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 4 has started eating.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: My number is 3
Philosopher 3 has finished talking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 2 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 5 has finished thinking.
Philosopher 5 has started talking.
Philosopher 5 says: If thee cannot speak, thee must be silent
Philosopher 5 has finished talking.
Philosopher 5 has started eating.
Philosopher 4 has finished thinking.
Philosopher 1 has finished thinking.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 4 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has started eating.
Philosopher 2 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 2 has started eating.
Philosopher 1 has finished thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.

Philosopher 4 has finished thinking.
Philosopher 4 has started eating.
Philosopher 5 has finished thinking.
Philosopher 5 has started talking.
Philosopher 5 says: If thee cannot speak, thee must be silent
Philosopher 5 has finished talking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 5 has started eating.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: $2 + 2 = 5$ for extremely large values of 2...
Philosopher 4 has finished talking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 3 has started eating.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 4 has started eating.
Philosopher 1 has started eating.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: If thee cannot speak, thee must be silent
Philosopher 3 has finished talking.
Philosopher 5 has finished thinking.
Philosopher 5 has started talking.
Philosopher 5 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 5 has finished talking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 5 has started eating.
Philosopher 1 has finished thinking.
Philosopher 1 has started talking.
Philosopher 1 says: $2 + 2 = 5$ for extremely large values of 2...
Philosopher 1 has finished talking.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 4 has finished thinking.
Philosopher 4 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has started eating.
Philosopher 5 has finished thinking.

Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 3 has started eating.
Philosopher 5 has started eating.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 1 has finished thinking.
Philosopher 1 has started eating.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: You know, true is false and false is true if you think of it
Philosopher 2 has finished talking.
Philosopher 3 has finished thinking.
Philosopher 3 has started eating.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has started eating.
Philosopher 1 has finished thinking.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: If thee cannot speak, thee must be silent
Philosopher 4 has finished talking.
Philosopher 4 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has started eating.
Philosopher 5 has finished thinking.
Philosopher 5 has started talking.
Philosopher 5 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 5 has finished talking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: My number is 3
Philosopher 3 has finished talking.
Philosopher 3 has started eating.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 5 has started eating.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.

Philosopher 4 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 4 has finished talking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: $2 + 2 = 5$ for extremely large values of 2...
Philosopher 2 has finished talking.
Philosopher 1 has finished thinking.
Philosopher 1 has started talking.
Philosopher 1 says: If thee cannot speak, thee must be silent
Philosopher 1 has finished talking.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 1 has started eating.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 4 has started eating.
Philosopher 5 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 2 has started eating.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: If thee cannot speak, thee must be silent
Philosopher 3 has finished talking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 5 has started eating.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 3 has started eating.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: If thee cannot speak, thee must be silent
Philosopher 2 has finished talking.
Philosopher 4 has finished thinking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has started eating.
Philosopher 4 has started eating.
Philosopher 1 has finished thinking.
Philosopher 5 has finished thinking.
Philosopher 3 has finished thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.

Philosopher 3 has started eating.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 4 has finished talking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 5 has started eating.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 2 has finished talking.
Philosopher 2 has started eating.
Philosopher 1 has finished thinking.
Philosopher 1 has started talking.
Philosopher 1 says: You know, true is false and false is true if you think of it
Philosopher 1 has finished talking.
Philosopher 3 has finished thinking.
Philosopher 5 has finished eating.
Philosopher 5 has started thinking.
Philosopher 4 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 5 has finished thinking.
Philosopher 5 has started talking.
Philosopher 5 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 5 has finished talking.
Philosopher 2 has finished thinking.
Philosopher 2 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 4 has finished thinking.
Philosopher 2 has finished thinking.
All philosophers have left. System terminates normally.

Test with 4 philosophers:

```
(base) miro@Miroslavs-MacBook-Pro pa3-distro % java DiningPhilosophers
4
4 philosopher(s) came in for a dinner.
Philosopher 3 has started eating.
Philosopher 1 has started eating.
Philosopher 3 has finished eating.
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Philosopher 3 has started thinking.
Philosopher 3 has finished thinking.
Philosopher 3 has started eating.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has started eating.
Philosopher 4 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: You know, true is false and false is true if you think of it
Philosopher 2 has finished talking.
Philosopher 2 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 4 has finished thinking.
Philosopher 4 has started eating.
Philosopher 1 has finished thinking.
Philosopher 1 has started talking.
Philosopher 1 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 1 has finished talking.
Philosopher 3 has finished thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has started eating.
Philosopher 3 has started eating.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: My number is 4
Philosopher 4 has finished talking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: If thee cannot speak, thee must be silent
Philosopher 2 has finished talking.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 3 has finished talking.
Philosopher 3 has started eating.
Philosopher 3 has finished eating.

Philosopher 3 has started thinking.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: You know, true is false and false is true if you think of it
Philosopher 3 has finished talking.
Philosopher 3 has started eating.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 4 has started eating.
Philosopher 2 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has finished thinking.
Philosopher 1 has started eating.
Philosopher 4 has finished thinking.
Philosopher 3 has finished thinking.
Philosopher 3 has started eating.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: My number is 2
Philosopher 2 has finished talking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 4 has started eating.
Philosopher 2 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started eating.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: If thee cannot speak, thee must be silent
Philosopher 3 has finished talking.
Philosopher 1 has finished thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: You know, true is false and false is true if you think of it
Philosopher 2 has finished talking.
Philosopher 2 has started eating.
Philosopher 4 has finished eating.

Philosopher 4 has started thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 3 has started eating.
Philosopher 1 has started eating.
Philosopher 4 has finished thinking.
Philosopher 2 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 4 has started eating.
Philosopher 2 has started eating.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: $2 + 2 = 5$ for extremely large values of 2...
Philosopher 3 has finished talking.
Philosopher 1 has finished thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 3 has started eating.
Philosopher 1 has started eating.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 1 has finished thinking.
Philosopher 1 has started eating.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: You know, true is false and false is true if you think of it
Philosopher 2 has finished talking.
Philosopher 3 has finished thinking.
Philosopher 3 has started eating.
Philosopher 4 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has started eating.
Philosopher 4 has started eating.
Philosopher 3 has finished thinking.
Philosopher 3 has started talking.
Philosopher 3 says: Eh, it's not easy to be a philosopher: eat, think, talk, eat...
Philosopher 3 has finished talking.
Philosopher 2 has finished eating.

Philosopher 2 has started thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 3 has started eating.
Philosopher 1 has finished thinking.
Philosopher 1 has started talking.
Philosopher 1 says: If thee cannot speak, thee must be silent
Philosopher 1 has finished talking.
Philosopher 1 has started eating.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: Eh, it's not easy to be a philosopher: eat, think,
talk, eat...
Philosopher 4 has finished talking.
Philosopher 3 has finished eating.
Philosopher 3 has started thinking.
Philosopher 2 has started eating.
Philosopher 4 has started eating.
Philosopher 1 has finished thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 3 has finished thinking.
Philosopher 4 has finished eating.
Philosopher 1 has started eating.
Philosopher 4 has started thinking.
Philosopher 4 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 4 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 2 has finished thinking.
Philosopher 2 has started talking.
Philosopher 2 says: $2 + 2 = 5$ for extremely large values of 2...
Philosopher 2 has finished talking.
Philosopher 2 has started eating.
Philosopher 1 has finished thinking.
Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: My number is 4
Philosopher 4 has finished talking.
Philosopher 4 has started eating.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 2 has finished eating.
Philosopher 2 has started thinking.
Philosopher 1 has started eating.

Philosopher 4 has finished thinking.
Philosopher 4 has started talking.
Philosopher 4 says: Eh, it's not easy to be a philosopher: eat, think,
talk, eat...
Philosopher 4 has finished talking.
Philosopher 2 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 4 has started eating.
Philosopher 1 has finished thinking.
Philosopher 4 has finished eating.
Philosopher 4 has started thinking.
Philosopher 1 has started eating.
Philosopher 4 has finished thinking.
Philosopher 1 has finished eating.
Philosopher 1 has started thinking.
Philosopher 1 has finished thinking.
All philosophers have left. System terminates normally.