

**Report for exercise 1 from group 123**

Tasks addressed: 5  
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Last compiled: 2019–10–17  
Source code: <https://www.github.com/link/to/our/github/project>

The work on tasks was divided in the following way:

Thomas Mustermann (1234567890)	Task 1	0%
	Task 2	20%
	Task 3	30%
Maria Musterfrau (1234567891)	Task 1	100%
	Task 2	40%
	Task 3	30%
Alexander Musterstudent (1234567892)	Task 1	0%
	Task 2	40%
	Task 3	40%

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**Report on task 1, Setting up the modeling environment**

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We successfully set up the modeling environment, using Python.

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**Report on task 2, First step of a single pedestrian**

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They stepped successfully (see figure).

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**Report on task 3, Interaction of pedestrians**

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- not done -

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**Report on task 4, Obstacle avoidance**

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Pedestrians can avoid obstacles, using Dijkstras algorithm. See figure.

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**Report on task 5, Tests**

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TEST1: RiMEA scenario 1 (straight line, ignore premovement time)

- not done, but citing RiMEA guidelines [?] -

TEST2: RiMEA scenario 4 (fundamental diagram, be careful with periodic boundary conditions).

- test successful -

TEST3: RiMEA scenario 6 (movement around a corner).

- test successful -

TEST4: RiMEA scenario

- test successful -

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