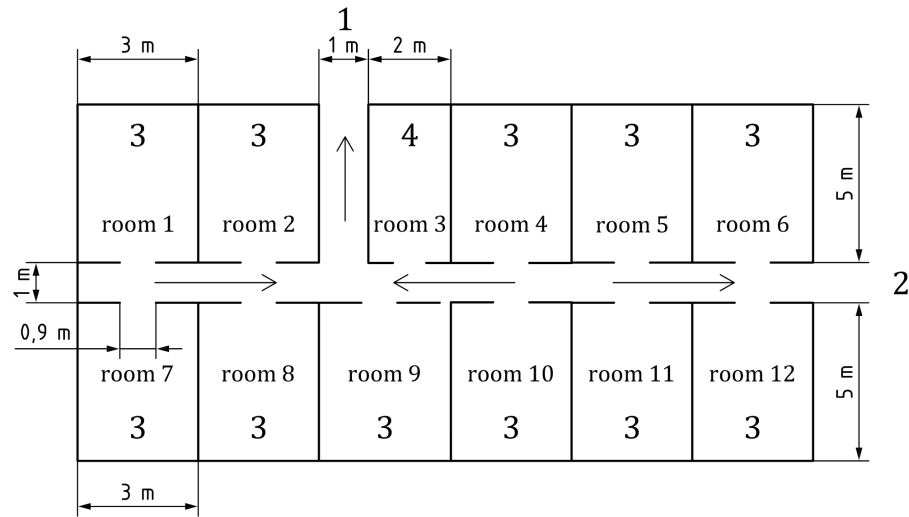


## Assigment 4: Exit route allocation

Evacuation models include user-defined deterministic exit choice sub-models and/or a predictive submodel. In both instances, the ability of evacuation models to assign occupants to certain exits shall be verified.

### Objective:

Assess consistency between exit route allocation assignment and model representation.



### Key

- |   |           |   |                |
|---|-----------|---|----------------|
| 1 | main exit | 2 | secondary exit |
| 3 | 1 person  | 4 | 2 persons      |

**Figure 5 — Schematic geometric layout of the test (top view)**

### Scenarios:

Populate the rooms with occupants having walking speeds and characteristics in accordance with the expected demographics of the population of the building(s). Distribute the walking speeds and pre-evacuation times equal to 0 s over a population of 23 agents. The occupants in rooms 1, 2, 3, 4, 7, 8, 9, and 10 are allocated to the main exit. All the remaining occupants are allocated to the secondary exit.

### Expected result:

The allocated occupants move to the corresponding exits.