

Assignment 11: CSP

ETH Zurich

1 Moving objects

1.1 Background

This task has been adapted from [1]. An object starts on the ground, and may move up. At any time thereafter it may move up and down, except that when on the ground it cannot move any further down. But when it is on the ground, it may move around. Let n range over the natural numbers $0, 1, 2, \dots$

1.2 Task

For each n , introduce the process CT_n to describe the behaviour of the object when it is n moves off the ground.

References

- [1] C.A.R. Hoare. Communicating Sequential Processes. Prentice Hall, 1985.