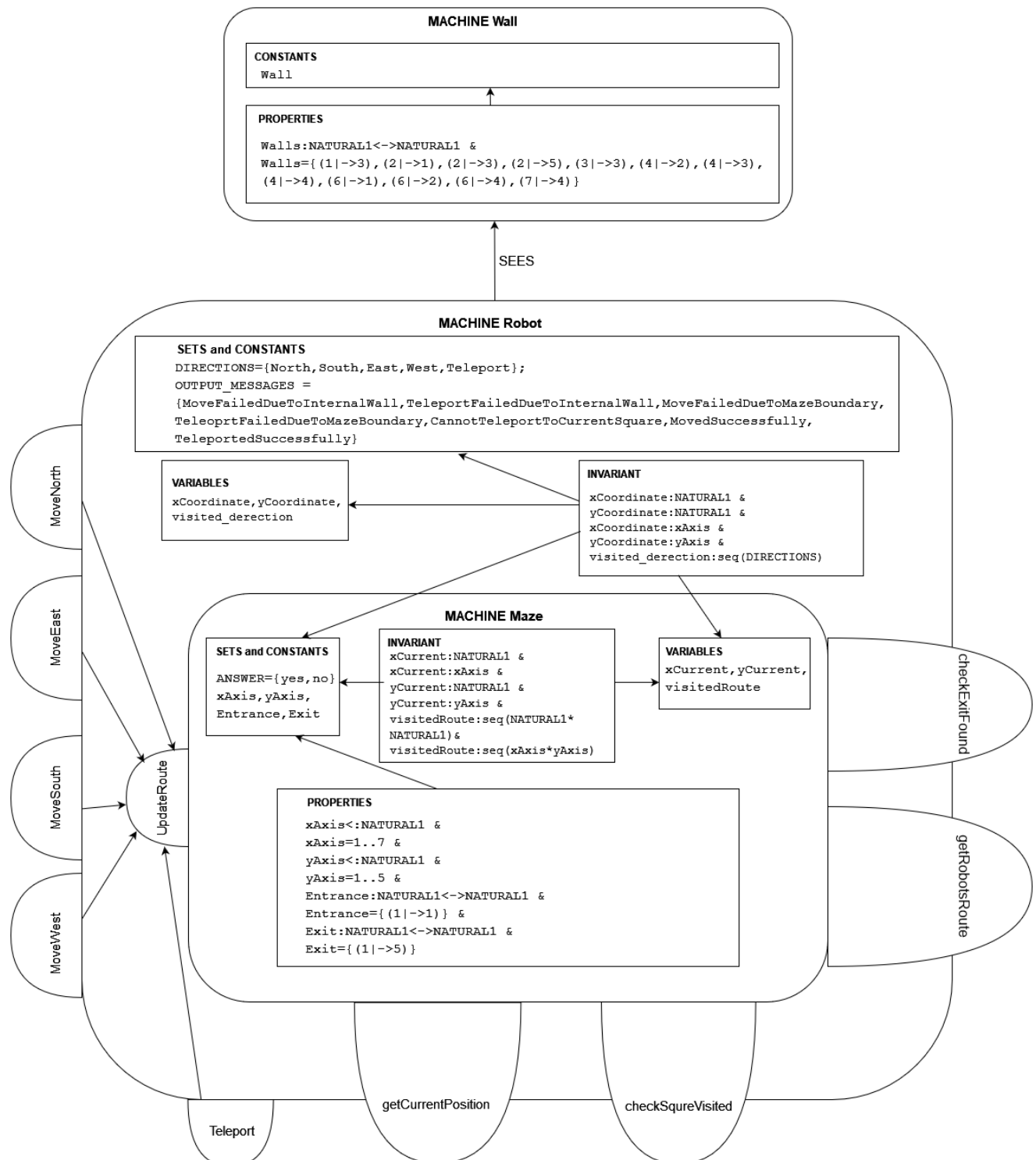


Structure diagram



State invariants explanation

Machine Robot

xCoordinate:NATURAL1 - Robots current position on x axis. That should be within the natural numbers set starting from 1.

yCoordinate:NATURAL1 - Robots current position on y axis. That should be within the natural numbers set starting from 1.

xCoordinate:xAxis - Robots current position on x axis. That should be within the maze width.

yCoordinate:yAxis - Robots current position on y axis. That should be within the maze height.

Machine Maze

xCurrent:NATURAL1 - Robots current position on x axis. That should be within the natural numbers set starting from 1.

yCurrent:NATURAL1 - Robots current position on y axis. That should be within the natural numbers set starting from 1.

xCurrent:xAxis - Robots current position on x axis. That should be within the maze width.

yCurrent:yAxis - Robots current position on y axis. That should be within the maze height.