



User acceptance tests:

- Test 1: 1 -> pause -> 2 -> move -> 4 -> resume -> 3 -> move succeeded -> 1
- Test 2: 1 -> move -> 3 -> pause -> 4 -> resume -> 3 -> move succeeded -> 1
- Test 3: 1 -> move -> 3 -> pause -> 4 -> stop -> 1 -> move -> 3
- Test 4: 1 -> pause -> 2 -> resume -> 1 -> move -> 3
- Test 5: 1 -> pause -> 2 -> move -> 4 -> stop -> 1
- Test 6: 1 -> pause -> 2 -> pause -> 2 -> move -> 4 -> resume -> 3 -> move succeeded -> 1
- Test 7: 1 -> move -> 3 -> resume -> 3 -> move succeed -> 1
- Test 8: 1 -> pause -> 2 -> move -> 4 -> pause -> 4 -> resume -> 3 -> pause -> 4 -> resume -> 3 -> move succeeded -> 1
- Test 9: 1 -> pause -> 2 -> stop -> 1 -> move -> 3 -> move succeeded -> 1
- Test 10: 1 -> stop -> 1 -> move -> 3 -> move succeeded -> 1
- Test 11: 1 -> resume -> 1 -> move -> 3 -> move succeeded -> 1
- Test 12: 1 -> move -> 3 -> pause -> 4 -> move -> exception -> 4 -> resume -> 3 -> move succeeded -> 1
- Test 13: 1 -> move1 -> 3 -> move2 -> move2 exception -> move1 succeeded -> 1

Threading tests:

- Test 1: 1 -> pause || move -> Roboter steht // Kann eventuell schief gehen, da Actionlib problem mit schnellem senden von send_goal, cancel hat.
- Test 2: 4 -> resume || stop -> 1 (Roboter steht)
- Test 3: 2 -> resume || move -> 3