

## hace #0

Phase #0

nlp\_node\_0

**OCP** 

<u>Time</u> Size: 2

Scaling: [1.000 1.000 ] Initial guess: [1.296 0.193 ] Min bound: [1.046 -0.057 ] Max bound: [1.546 0.443 ]

Lagrange (MINIMIZE\_STATE)<sup>2</sup> Weight: 1 key: qdot Index in list: 0

(MINIMIZE STATE)<sup>2</sup>
Weight: 10
key: q
Index in list: 4

(MINIMIZE\_STATE)<sup>2</sup>
Weight: 100
key: q
Index in list: 5

Mayer (MINIMIZE MARKERS)<sup>2</sup> Weight: 10 reference\_jcs: 0 marker index: 6

Index in list: 1
Shooting nodes index: Node.ALL SHOOTING

(MINIMIZE\_MARKERS)<sup>2</sup>
Weight: 10
reference\_jcs: 0
marker\_index: 11
Index in list: 2

Shooting nodes index: Node.ALL SHOOTING

MINIMIZE MARKERS
Weight: 10
reference\_jcs: 0
marker\_index: 16
Index in list: 3

Shooting nodes index: Node.ALL SHOOTING

MINIMIZE ANGULAR MOMENTUM
Weight: 100000

Weight: 100000 Index in list: 6

**Shooting nodes index**: Node.START

(MINIMIZE\_ANGULAR\_MOMENTUM)<sup>2</sup>
Weight: 1000

Index in list: 7
Shooting nodes index: Node.START

MINIMIZE ANGULAR MOMENTUM

**Weight**: 100000 **Index in list**: 8

**Shooting nodes index**: Node.START

(MINIMIZE ANGULAR MOMENTUM)<sup>2</sup>

Weight: 1000 Index in list: 9

**Shooting nodes index**: Node.START

MINIMIZE TIME **Weight**: Te-06

min\_bound: 1.0461452370659663 max\_bound: 1.5461452370659663 Index in list: 10

Shooting nodes index: Node.END

Constraints
No constraint set

Time Size: 2 Scaling: [1.000 1.000 ] Initial guess: [1.296 0.193 ] Min bound: [1.046 -0.057 ] Max bound: [1.546 0.443 ]

nlp node 1

Phase #1

Lagrange (MINIMIZE\_STATE)<sup>2</sup> Weight: 1 key: qdot Index in list: 0

(MINIMIZE\_STATE)<sup>2</sup>
Weight: 10
key: q
Index in list: 4

(MINIMIZE\_STATE)<sup>2</sup> **Weight**: 100 **key**: q **Index in list**: 5

Mayer (MINIMIZE\_MARKERS)<sup>2</sup> Weight: 10 reference\_jcs: 0 marker\_index: 6

Index in list: 1
Shooting nodes index: Node.ALL SHOOTING

(MINIMIZE MARKERS)<sup>2</sup>
Weight: 10
reference\_jcs: 0
marker\_index: 11
Index in list: 2

Shooting nodes index: Node.ALL SHOOTING

MINIMIZE MARKERS
Weight: 10
reference\_jcs: 0
marker\_index: 16
Index in list: 3

**Shooting nodes index**: Node.ALL\_SHOOTING

(MINIMIZE\_STATE - [0.000 0.000 0.000 ])<sup>2</sup> **Weight**: 0.1

key: q
Index in list: 6
Shooting nodes index: Node.END

(MINIMIZE\_STATE - 11.977)<sup>2</sup> **Weight**: 0.1

key: q
Index in list: 7
hooting nodes index: Node I

Shooting nodes index: Node.END

(MINIMIZE\_STATE - 0.000 )<sup>2</sup> **Weight**: 0.1 **key**: q

Index in list: 8
Shooting nodes index: Node.END

(MINIMIZE\_STATE - 12.566 )<sup>2</sup> **Weight**: 0.1

key: q
Index in list: 9
Shooting nodes index: Node.END

MINIMIZE\_TIME
Weight: 1e-06
min\_bound: -0.05687500000000001
max\_bound: 0.443125
Index in list: 10
Shooting nodes index: Node.END

<u>Constraints</u> No constraint set