

1. sum

```
;; Loading file project.lsp ...  
;; Loaded file project.lsp  
T  
[8]> (sum tasks)  
114
```

2. predecessors

```
Break 1 [12]> (predecessors 'vapor_barrier_insulation tasks)  
(ROOF INSTALL_WINDOWS_DOORS)  
Break 1 [12]> (predecessors 'purchase_lot tasks)  
NIL  
Break 1 [12]> (predecessors 'move_in tasks)  
(LANDSCAPE CONNECTIONS)
```

3. gettime

```
Break 1 [12]> (getTime 'purchase_lot tasks)  
2  
Break 1 [12]> (getTime 'move_in tasks)  
0  
Break 1 [12]> (getTime 'frame tasks)  
12
```

4. get\_all\_preds

```
[13]> (get_all_preds 'frame tasks)  
(GET_PERMIT SELECT_SUBS PURCHASE_LOT DESIGN_HOUSE GET_BIDS)  
[14]> (get_all_preds 'move_in tasks)  
(LANDSCAPE CONNECTIONS CONSTRUCT_BASEMENT MOVE_HOUSE EXCAVATE GET_PERMIT  
SELECT_SUBS PURCHASE_LOT DESIGN_HOUSE GET_BIDS CUPBOARDS CARPET_FLOOR LIGHTS  
PLUMBING_HEATING OUTSIDE_PAINT INSIDE_PAINT DRYWALL VAPOR_BARRIER_INSULATION  
ROOF INSTALL_WINDOWS_DOORS FRAME GET_WINDOWS_DOORS ROUGH_PLUMBING  
ROUGH_ELECTRIC ORDER_WINDOWS_DOORS SIDING)  
[15]> (get_all_preds 'purchase_lot tasks)  
NIL
```

## 5. precedes

```
[16]> (precedes 'design_house 'move_in tasks)
T
[17]> (precedes 'move_in 'design_house tasks)
NIL
[18]> (precedes 'rough_plumbing 'frame tasks)
NIL
[19]> (precedes 'frame 'frame tasks)
NIL
[20]> (precedes 'frame 'rough_plumbing tasks)
T
```

## 6. start\_day

```
[21]> (start_day 'frame tasks)
22
[22]> (start_day 'move_in tasks)
67
[23]> (start_day 'purchase_lot tasks)
1
```

## 7. get\_max

```
Break 2 [28]> (get_max '(frame roof select_subs) tasks)
38
Break 2 [28]> (get_max '(frame roof move_in) tasks)
67
Break 2 [28]> (get_max '(design_house excavate construct_basement) tasks)
30
```

## 8. critical\_path

**\*\* not completed \*\***

## 9. depends\_on

**\*\* not completed \*\***