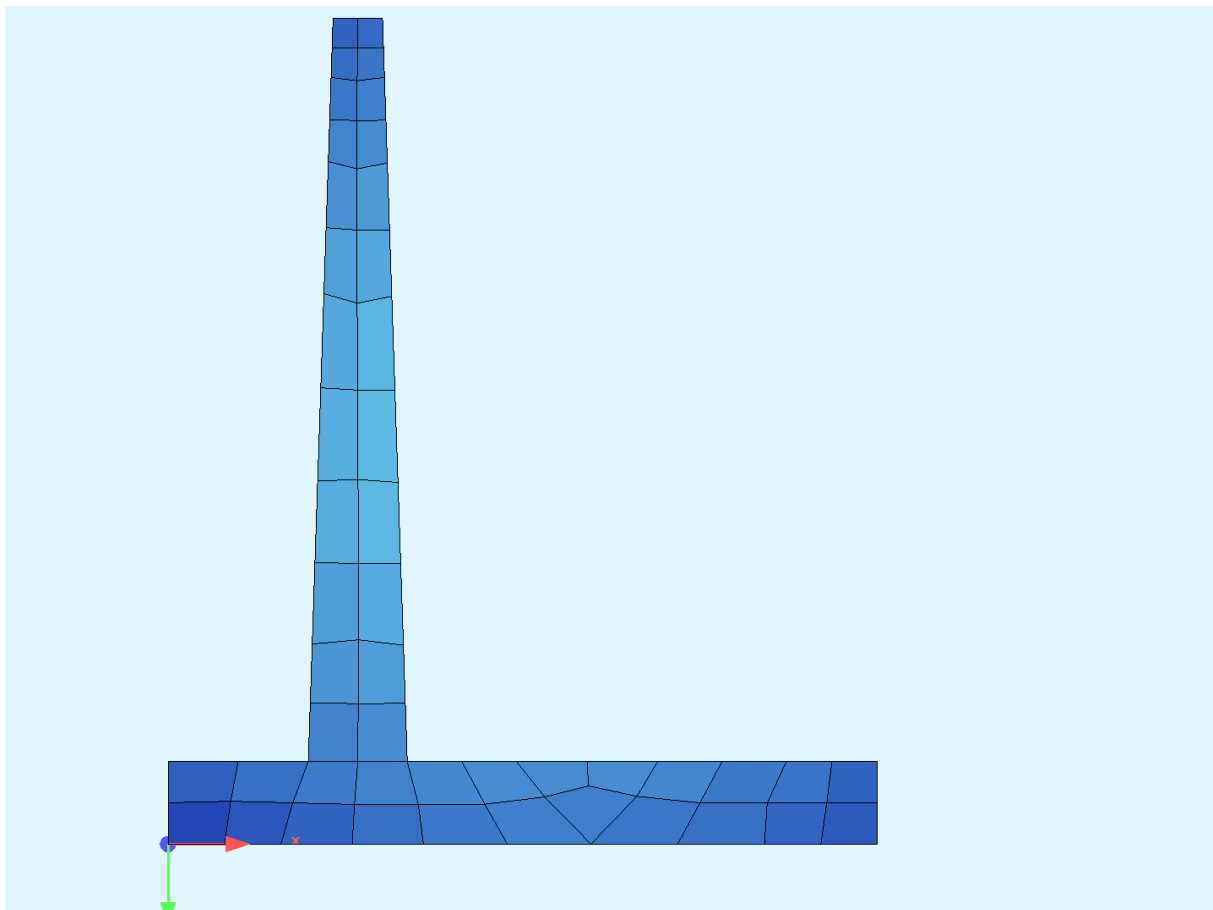


Feature example

IF-Condition



1 Description

This small example shows the basic workflow of an IF-condition inside a program block using the CADINP input language.

Depending on the overall wall height the wall thickness at the wall foot is changed at the left side or at both sides.

```

$ variable additional thickness at wall foot
LET#R 0.15  $ additional thickness at wall foot for right-hand side
LET#L 0.15  $ additional thickness at wall foot for left-hand side

$ nodes at wall foot depend on height
IF (#H<=2.0)
  SPT NO 4 X 1.3 Y -0.5
  SPT NO 5 X 1.0 Y -0.5
ELSEIF (#H>=4.0)
  SPT NO 4 X (1.3+#R) Y -0.5
  SPT NO 5 X (1.0-#L) Y -0.5
ELSE
  SPT NO 4 X 1.3      Y -0.5
  SPT NO 5 X (1.0-#L) Y -0.5
ENDIF

```

The three conditions will be processed after each other. In case the condition result is true the following input lines will be processed. Otherwise the program jumps to the next condition.

height = 1.5 m

1. condition = true

(no widening)

height = 2.5 m

1. condition = false

2. condition = true

(widening left)

height = 4.5 m

1. condition = false

2. condition = false

3. condition = true

(widening left + right)

