# Explanation for adiabatic and T\_in = T\_out case

## Simulation from simple code, which is done during Spring term: do not vent

### Adiabatic

A graph of a function

Description automatically generated

Max height = 28 km

### T\_in = T\_out

A graph of a function

Description automatically generated

Max height = 28.4 km

## Simulation from complicating code, no vent (u = 0), no wind speed

### Adiabatic

A screenshot of a graph

Description automatically generated

### T\_in = T\_out

A screenshot of a computer screen

Description automatically generated