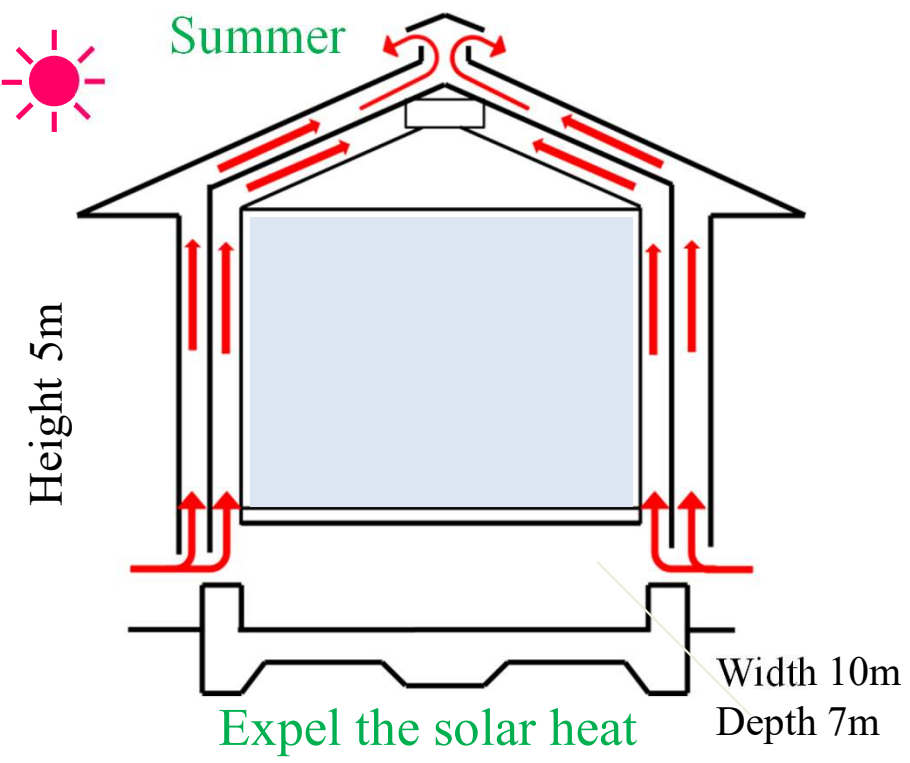


NETS Case Study 1: Effectiveness of ventilation layers in wooden houses

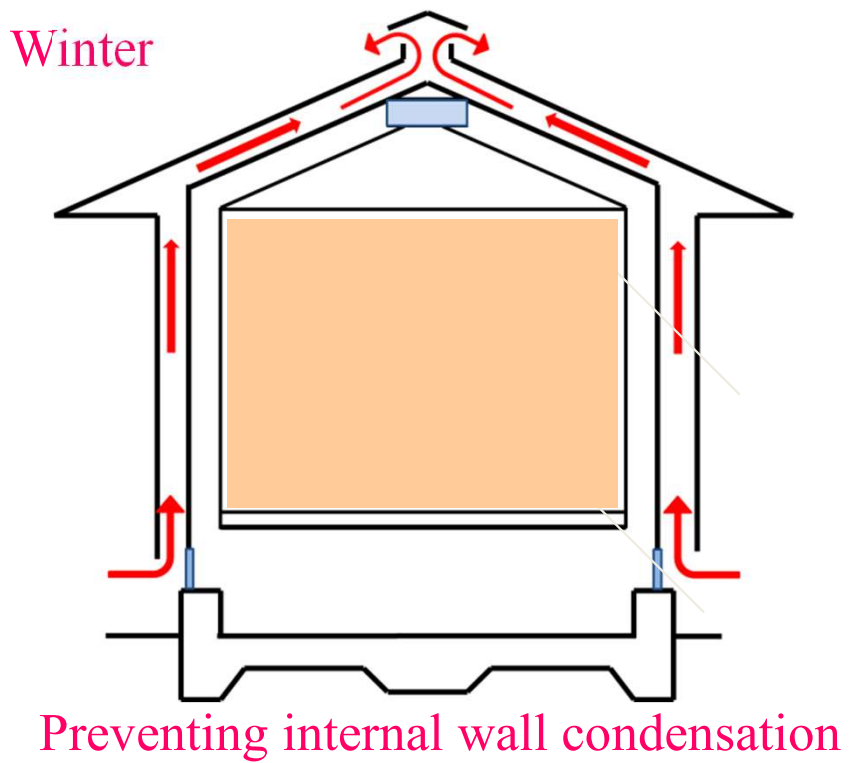
problems

- Isn't the thermal effect of the ventilation layer overstated?
 - Isn't it wrong to provide a ventilation layer on the indoor side?
 - Isn't the effectiveness of water vapor discharge important for durability and health?
 - Isn't it wrong for the ventilation layer to continue all the way to the top of the roof?
- Don't we need an isobaric zoning?

Outer air layer: **Open**, Inner air layer: **Open**



Outer air layer: **Open**, Inner air layer: **Shut**



Roof: From the outside, slate: 10, plywood: 10, ventilation layer: 60, foam styrene: 50, plywood: 10, ventilation layer: 60, plaster board: 10 (mm)

External wall: From the outside, tiles: 10, plywood: 10, ventilation layer: 60, foam styrene: 50, plywood: 10, ventilation layer: 60, plaster board: 10 (mm)