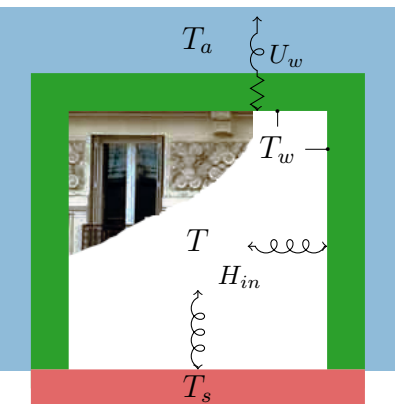
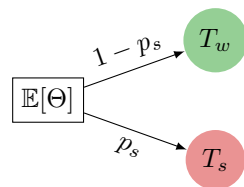


a One room building



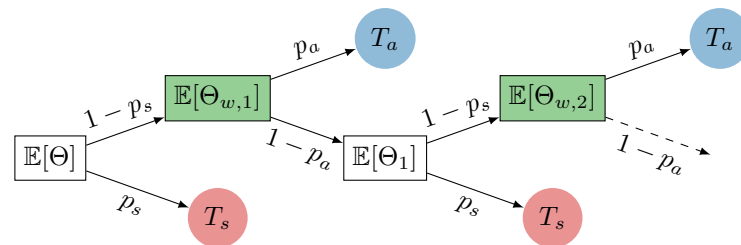
b T_w is known

$$\mathbb{E}[\Theta] = p_s T_s + (1 - p_s) T_w$$

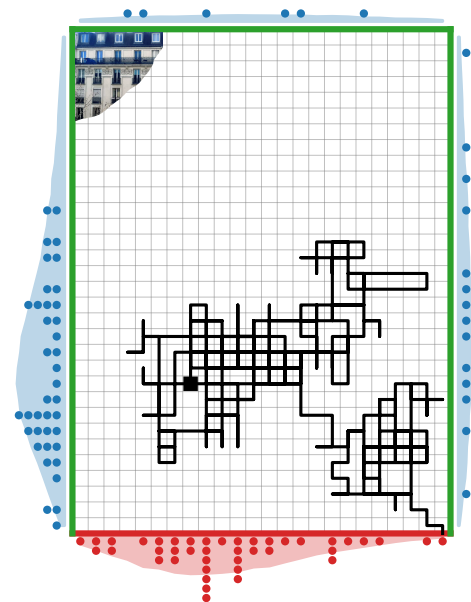


c T_w is unknown

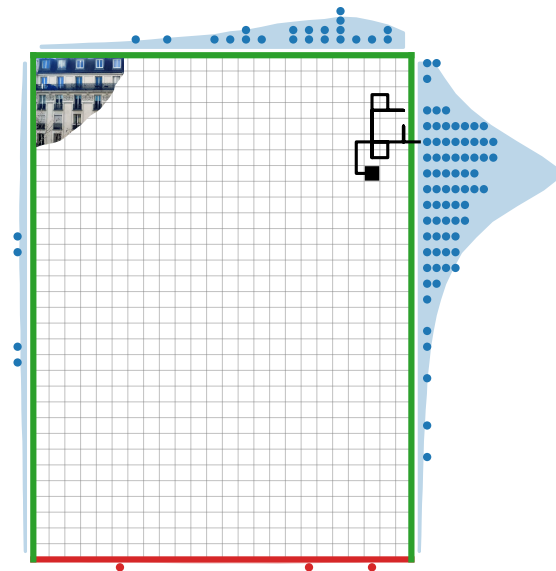
$$\begin{cases} \mathbb{E}[\Theta] &= p_s T_s + (1 - p_s) \mathbb{E}[\Theta_w] \\ \mathbb{E}[\Theta_w] &= p_a T_a + (1 - p_a) \mathbb{E}[\Theta] \end{cases}$$



d $T_{10,8} = 18.83 \pm 0.03$



e $T_{25,22} = 11.38 \pm 0.02$



f $T_{10,8} = 14.27 \pm 0.03$

