Exercises :

Sheet 12

Ex 1: Assume G does not have one end.

Prove that $p_u = 1$.

Ex 2: Prove that $p_c \leq \frac{1}{1+\phi}$,

and $p_u \geqslant \frac{1}{\varrho d}$.

Ex 3: Prove that for d large enough

$$p_c(\mathbb{T}^d \times \mathbb{Z}) < p_u(\mathbb{T}^d \times \mathbb{Z}).$$