Mills

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Chapter 1

Mills' constant

Definition 1.1. *Mills A positive real number x is Mills if $1 < x$ and for all positive integers n, the number $\lfloor x^{3^n} \rfloor$ is prime.*

Proposition 1.2. *$exists_M illsdef : millsThereexistsaMillsnumber.$*

Proof. proof □

Theorem 1.3. *$Mills_i rrationaldef : mills, prop : millsTheMills'constantisirrational.$*

Proof. proof □