

Mills

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Definition 0.1. *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 0.2. *There exists a Mills number.*

Proof. proof □

Theorem 0.3. *The Mills' constant is irrational.*

Proof. proof □