0.1 Borel's Normal Number Theorem

Let's introduce this

Theorem: Normal Number Theorem

 $\lim_{n \to \infty} P\left[\omega : \left| \frac{1}{n} \sum_{i=1}^{n} d_i(\omega) - \frac{1}{2} \right| \ge \varepsilon \right] = 0$

Definition: 1.1

The nth root of unity x = 3 is right. is.

Theorem: 1

- i) $ab = ac \Rightarrow b = c$
- ii) $ba = ca \Rightarrow b = c$

Proof

 $s^{\frac{\Phi+\Omega}{3}}$

Lemma

blah

Corollary

aloha