

frequency^{11,40}

$\text{frequency}(f;x) \sim (p/q) \equiv_{\text{def}} \forall m, k:\mathbb{N}. \exists j:\mathbb{N}. ((k < j) \text{ c} \wedge |\#\{i < j \mid f \text{ i eq } x\}/j - p/q| < 1/m)$

clarification:

$\text{frequency}(eq;f;x;p;q) \equiv_{\text{def}} \forall m:\mathbb{N}, k:\mathbb{N}. \exists j:\mathbb{N}. ((k < j) \text{ c} \wedge |\#\{i < j \mid f \text{ i eq } x\}/j - p/q| < 1/m)$