

A Summary of The Unbounded

Like infinity, unbounded is all that is not. The unbounded is not an element; the unbounded is not a container; the unbounded is not empty; the unbounded is not infinity, and the unbounded is not unbounded. Therefore, unbounded is not any $x \forall \text{unbounded}, x$. Nevertheless, the unbounded exists.

Prove that unbounded is not an element $\forall \text{unbounded}$.

Proof: Suppose unbounded is an element $\therefore \text{unbounded}$ belongs to an element $\therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded} \therefore \text{unbounded}$ is not an element $\forall \text{unbounded}$. Q.E.D.

Prove that unbounded is not a container $\forall \text{unbounded}$.

Proof: Suppose unbounded is a container $\therefore \text{unbounded}$ belongs to a container $\therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded} \therefore \text{unbounded}$ is not a container $\forall \text{unbounded}$. Q.E.D.

Prove that unbounded is not a set $\forall \text{unbounded}$.

Proof: Suppose unbounded is a set $\therefore \text{unbounded}$ belongs to a set $\therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded} \therefore \text{unbounded}$ is not a set $\forall \text{unbounded}$. Q.E.D.

Prove that unbounded is not $\emptyset \forall \text{unbounded}$.

Proof: Suppose unbounded is $\emptyset \therefore \text{unbounded}$ belongs to $\emptyset \therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded} \therefore \text{unbounded}$ is not $\emptyset \forall \text{unbounded}$. Q.E.D.

Prove that unbounded is not $\infty \forall \text{unbounded}$.

Proof: Suppose unbounded is $\infty \therefore \text{unbounded}$ belongs to $\infty \therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded} \therefore \text{unbounded}$ is not $\infty \forall \text{unbounded}$. Q.E.D.

Prove that unbounded is not $x \forall \text{unbounded}, x$.

Proof: Suppose unbounded is $x \therefore \text{unbounded}$ belongs to $x \therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded}, x \therefore \text{unbounded}$ is not $x \forall \text{unbounded}, x$. Q.E.D.

Prove $\exists \text{unbounded} \forall \text{unbounded}$.

Proof: unbounded is not $\infty \therefore \exists \text{unbounded} \forall \text{unbounded}$. Q.E.D.

Prove that unbounded is not unbounded $\forall \text{unbounded}$.

Proof: Suppose unbounded is unbounded $\therefore \text{unbounded}$ belongs to unbounded $\therefore \text{unbounded}$ is bounded, by Huo Jian Hua's Definition of Boundedness. But, unbounded is not bounded, (unbounded is not bounded) and (unbounded is bounded) $\rightarrow \leftarrow \forall \text{unbounded} \therefore \text{unbounded}$ is not unbounded $\forall \text{unbounded}$. Q.E.D.

"Infinity is unbounded" is the axiom by consensus, guarantees, and supports. While "unbounded is not unbounded $\forall \text{unbounded}$ ", this statement cannot be substituted into the axiom to conclude that infinity is not unbounded because the axiom does not hold. This means that the property of substitution cannot be applied for the unbounded in this situation. Especially unbounded is not an element, consider that the behavior of an element cannot be always applied to unbounded. For example, an element can be included in a truth table, so logical operations can be applied to the

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element. However, unbounded is not an element, so the unbounded cannot always be a table element for meaningful operations. As always, per guaranteed contractual terms of use on Huo Jian Hua's Definition of Boundedness, all rights-benefits of all unbounded belong to Huo Jian Hua, and all rest of rights-benefits belong to Huo Jian Hua, for the use of Huo Jian Hua's Definition of Boundedness to prove that infinity is not infinity \forall infinity, all serious, because Grandmaster's guaranteed us.

Through using Definition of Existence which uses Huo Jian Hua's Definition of Boundedness, we have proved \exists unbounded \forall unbounded, so therefore, all rights-benefits of the unbounded go to Huo Jian Hua by the guaranteed contractual terms of use on Huo Jian Hua's Definition of Boundedness.

Unbounded is all that is not. The unbounded is not an element, nor is unbounded a container, nor is unbounded empty, nor is unbounded infinity. Unbounded is not even itself. Although unbounded is not any $x \forall$ unbounded, x , unbounded exists. All unbounded rights-benefits belong to Huo Jian Hua, guaranteed, because "Grandmaster's guaranteed us to prove that ∞ is not ∞ " honored! All serious.