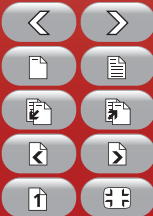




Tek Taraflı ...

TEK TARAFLI LİMİTLER



Tek Taraflı Limitler

Tanım 1 (Sağdan ve Soldan Limit) *(a)*. $f : A \rightarrow \mathbb{R}$ bir fonksiyon ve a noktası bazı $b \in \mathbb{R}$ için $A \cap (a, b)$ kümesinin bir limit noktası olsun.

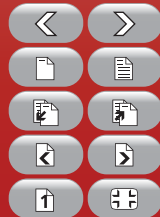


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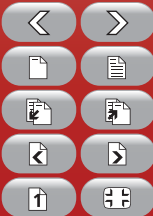
Tek Taraflı...



Teorem 1 $f : A \rightarrow \mathbb{R}$ bir fonksiyon ve a noktası A kümesinin bir limit noktası olsun. Bu durumda



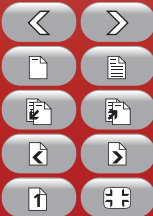
Tek Taraflı...



dür.



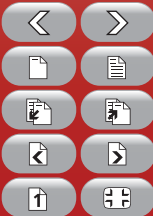
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bulunur. Bu durumda f nin 0 noktasında limiti yoktur. (Şekil ? e bakınız.)

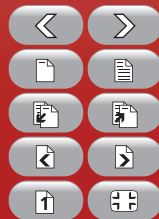


Tek Taraflı...



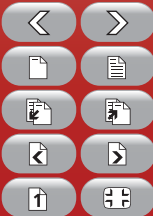


Tek Taraflı...





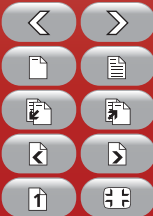
Tek Taraflı...



Tanım 3 $f:A \rightarrow \mathbb{R}$ bir fonksiyon ve a noktası A kümesinin bir limit noktası olsun.

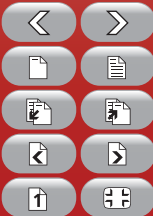


Tek Taraflı...





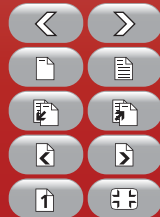
Tek Taraflı...



Tanım 4 (a). $A \subseteq \mathbb{R}$ ve $[a, \infty) \subset A$ olacak şekilde bir $a \in \mathbb{R}$ olsun.



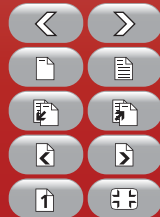
Tek Taraflı...



Örnek 5 $n, m \in \mathbb{N}$ olsun.



Tek Taraflı ...





Tek Taraflı...

