$$X>X \underset{*}{\overset{\mathrm{def}}{\Longleftrightarrow}} \sum_{a,b\in\mathbf{R}^*} \sum_{b}^{a} = \sum_{a,b\in\mathbf{R}^*} \sum_{b}^{a} \sum_{a} \sum_{b}^{a} \sum_{b}^{a} \sum_{a}^{a} \sum_{b}^{a} \sum_{$$