

ORDER MATTERS WHEN CHOOSING SETS

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Abstract. Given natural numbers t, w and v we show, using high school algebra, that if $1 \leq w \leq t < v$ then $\binom{v}{w} \binom{v-t}{w} \leq \binom{v}{t} \binom{v-t}{w}$. Here we denote “ n choose r ” by $\binom{n}{r}$.

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