

Subset Serve as Graph Vertices.

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Abstract: In [7], the following claim was given: If S is a set of 10 elements, and if we choose a collection T of more than $\binom{10}{4}$ subsets of S , when all A sub-sets from this collection exist, $3 \leq |A| \leq 4$, Then there are two subsets A_1 and A_2 in T so that $A_1 \subseteq A_2$. I will extend this example, to any general cardinality of a given set. Additionally, we will even prove that the two sub-sets A_1 and A_2 fulfill that $A_1 \subset A_2$.

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