

03 September 2020 16:22 size of a largest k-unihorm though of Jussels of is intersecting

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The over Evdos-Ka-Rado 1960s) Leb & be

a k-undown fundy of subjub of

(n) that is intersecting. Further

K & M. Then [F] & (n-1)

Roof (Katona 1970s)

Proof for the

> Suppor you are given a 03 September 2020 a krun. hum intersecting tamily)- $F = \left\{ \{1, 2, 3\}, \{2, 3, 4, 5\}, \{2, 5, 2, 2\}, \{2, 3, 5\} \right\}$ k = 3a circular permutations of (n) set SEF is present in Contigously in the permutation.

F - intersecting, k- unisoin

6:

 $\int = \left\{ \begin{array}{c} O(2) \\ So \end{array} \right\} : SEF is present \\ (2) O in the circular$ k!(n-k)! = 16 (n-1)Reambrying the terms (n-1); K 15/2 | | | (n-k) | $= \left(N^{-1} \right)$

