

1078-06-404

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Call a poset P a (κ, λ) -Jónsson poset if it has size λ , any principal ideal has size $< \kappa$, and the complement of any principal filter has size $< \lambda$. We discuss the possible pairs of cardinal numbers, (κ, λ) , for which there is a (κ, λ) -Jónsson poset. We explain the connection with unary Jónsson algebras. (Received December 13, 2011)