A poset of width $w$ can be partitioned into $w$ disjoint chains. Linek conjectured that there exists a number $k_0$ so that for every integer $k \geq k_0$ there is a poset $P_k$ of width two so that there are exactly $k$ chains in $P_k$. We find significant evidence toward this conjecture by finding posets with exactly $k$ chains for every $k$ from 5 to approximately 7.3 million. In addition, these posets have at most six cover relations between the two chains.