We consider the problem of determining the maximum $\operatorname{size} \operatorname{La}(n, H)$ of a family $\mathcal{F}$ of subsets of the set $\{1,2, \ldots, n\}$, subject to the condition that a certain subposet $H$ is excluded. For instance, Sperner's Theorem solves the problem for $H$ being a two-element chain $P_{2}$, giving $\operatorname{La}\left(n, P_{2}\right)=\binom{n}{\left\lfloor\frac{n}{2}\right\rfloor}$. We survey results of this kind, and focus on the newest bounds on $\mathrm{La}(n, H) /\binom{n}{\left.\frac{n}{2}\right\rfloor}$ when $H$ is the four-element diamond poset $B_{2}$ (joint with Linyuan Lincoln Lu). (Received February 03, 2009)

