962-52-1315 **Javier Bracho*** (jbracho@math.unam.mx), Instituto de Matematicas, UNAM, Ciudad Universitaria, 14501 Mexico D.F., D.F., Mexico. *The combinatorics of $n+3$ points in projective n-dimensional space.* Preliminary report.

A configuration of points in projective space is an equivalence class of labeled sets of points with the propperty that the only projectivity that keeps them fixed is the identity; where two such sets are equivalent (the same configuration) if a projectivity sends one to the other. With appropriate rules, which means that certain configurations are avoided, one obtains a compact manifold as configuration space, which also has an stratification or combinatorial structure. It will be proved that the configuration space of $n+3$ points in n-dimensional projective space (P^n) is combinatorially equivalent to $n+3$ points in P^1. Some concequences will be explored. (Received October 03, 2000)