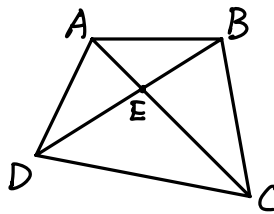
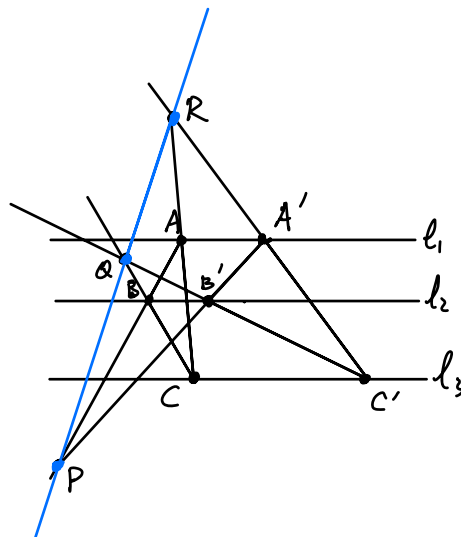


I: Draw the dual picture to



II: In the following picture, the lines l_1, l_2, l_3 are parallel. Use the method of "projecting line to infinity" to prove that P, Q, R lie on the same line. How is this related to the usual Desargue's Theorem?



III*: In the following picture, the 3 lines l_1, l_2, l_3 are parallel.

Try to use Desargue's Theorem to prove that the 3 dashed blue lines all intersect l_1 at a common point P .

