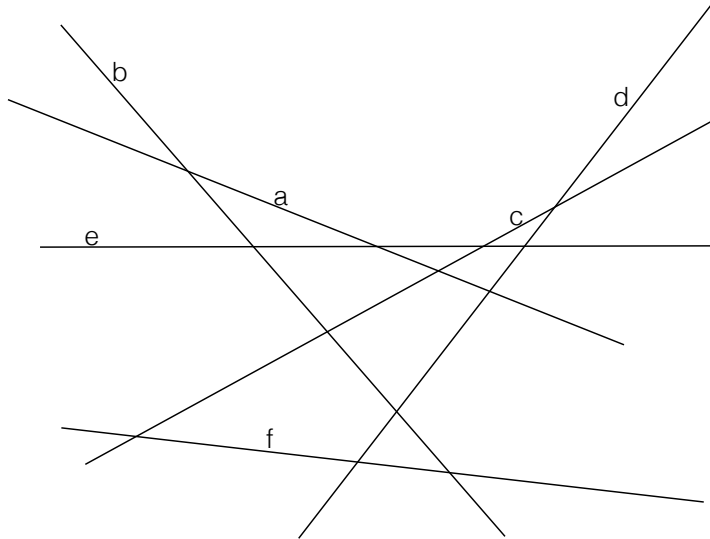


Homework

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Consider the following set of lines $L = \{a, b, c, d, e, f\}$ in the plane.



Draw the set of dual points $P^* = \{a^*, b^*, c^*, d^*, e^*, f^*\}$ and their convex hull. Use the standard dual, $p : (a, b) \rightarrow l : y = ax - b$, and the properties that we discussed in class:

1. Incidence preserving: If a point p is on a line l , then the dual point l^* is on the dual line p^* .
2. Order preserving: If a point p is above a line l , then the dual line p^* is below the dual point l^* .