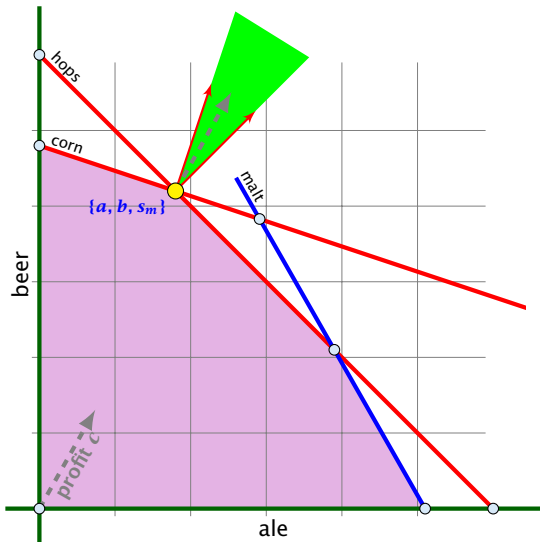**?**

The profit vector c lies in the cone generated by the normals for the hops and the corn constraint.

Strong Duality

Theorem 2 (Strong Duality)

Let P and D be a primal dual pair of linear programs, and let z^* and w^* denote the optimal solution to P and D, respectively. Then

$$z^* = w^*$$