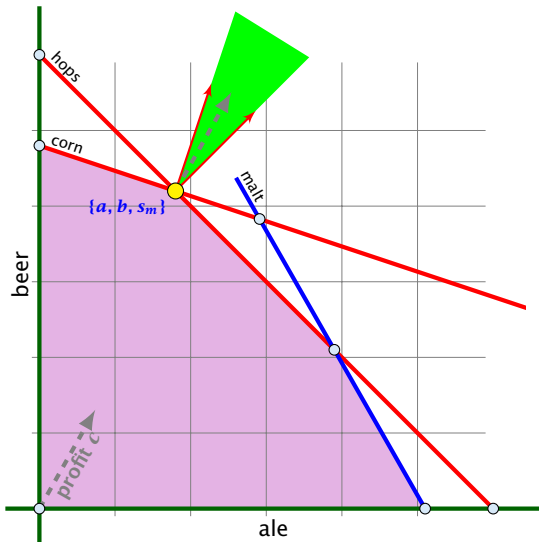
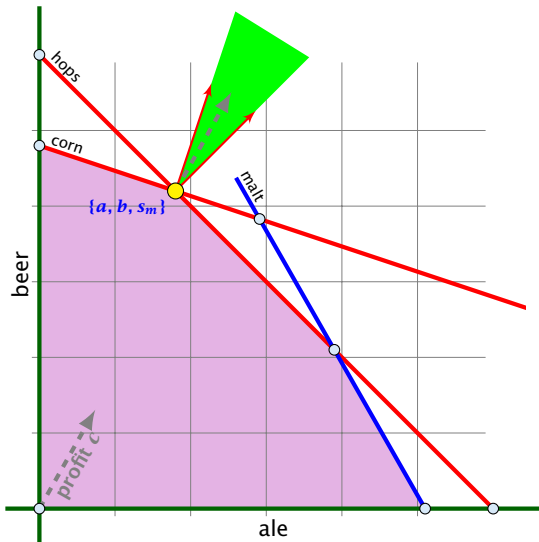


?



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

?



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

$$z^* = w^*$$