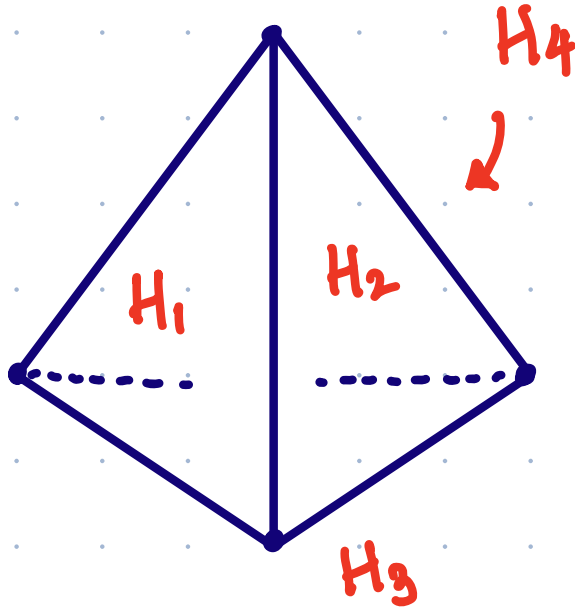


Twisted Cubic in \mathbb{P}^3 — a toric cartoon...



QUADRIC HYPERSURFACES

$$Q_{ij} = H_i + H_j$$

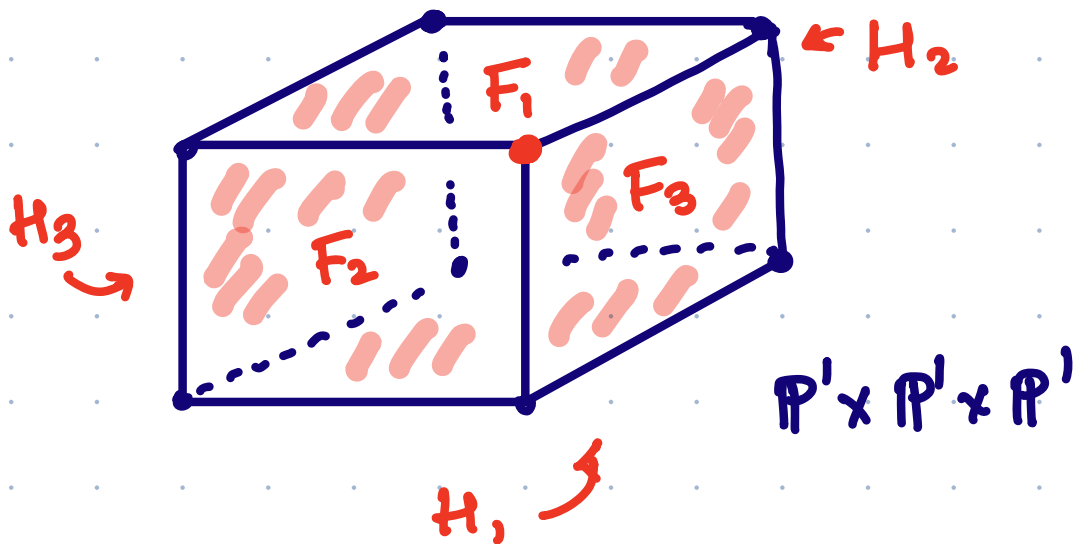
THREE QUADRICS CONTAINING C

$$\cdot Q_{23} \quad \cdot Q_{14} \quad \cdot Q_{23}$$

- The curve C is an intersection of 3 quadrics but NOT two!

THE ADJUNCTION FORMULA on $\mathbb{P}^1 \times \mathbb{P}^1 \times \mathbb{P}^1$

... another toric cartoon



- F_1, F_2, F_3 pass through the red corner

ADJUNCTION: The intersection of two $(1,1,1)$

hypersurfaces in $\mathbb{P}^1 \times \mathbb{P}^1 \times \mathbb{P}^1$ is an elliptic curve

Take $X = F_1 + F_2 + F_3$

$Y = H_1 + H_2 + H_3$

$E = X \cap Y$

