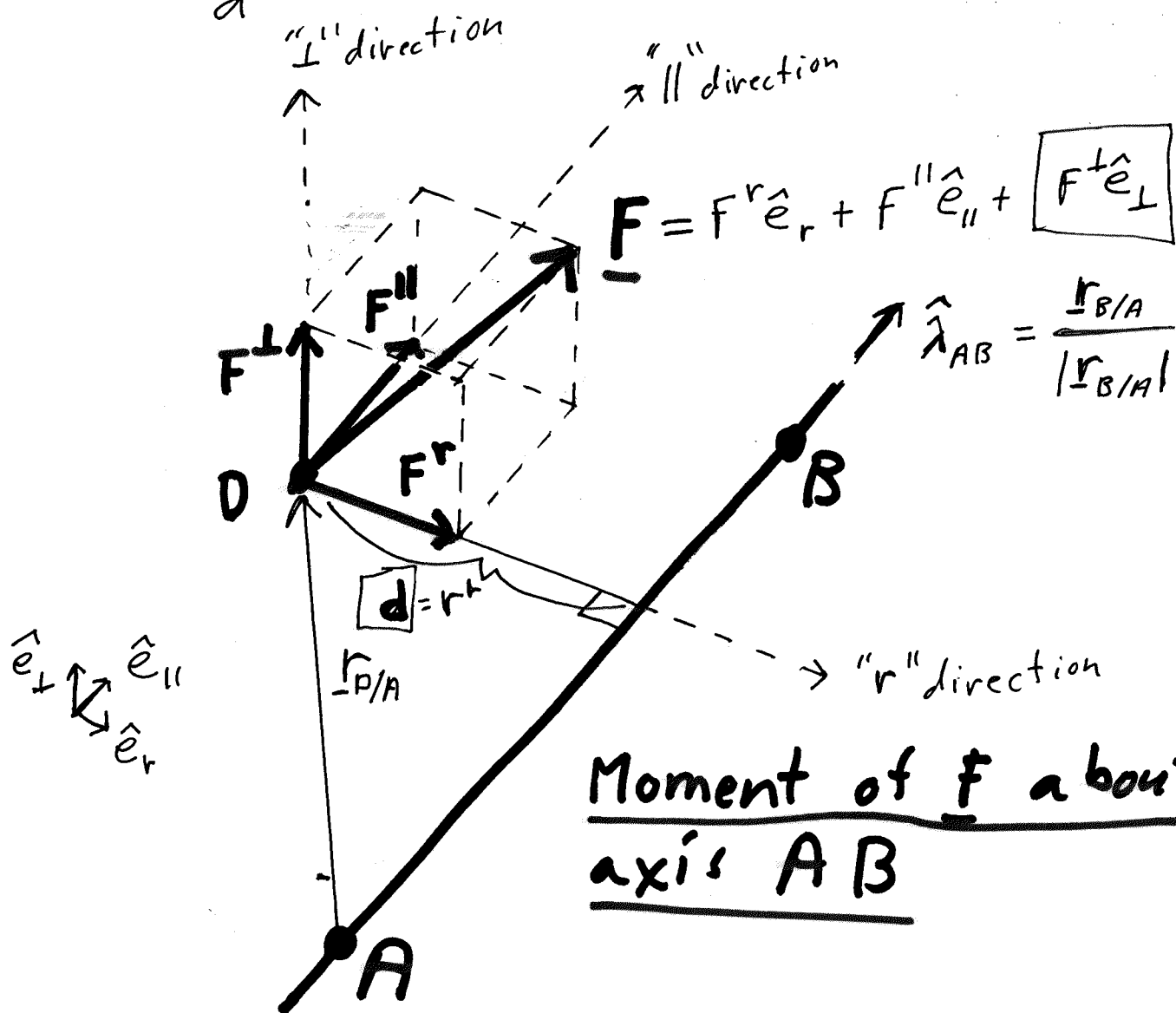


* Force parallel ("||") to axis has no effect

* Force through axis ("~~r~~", or "~~r~~" + "||") has no effect.

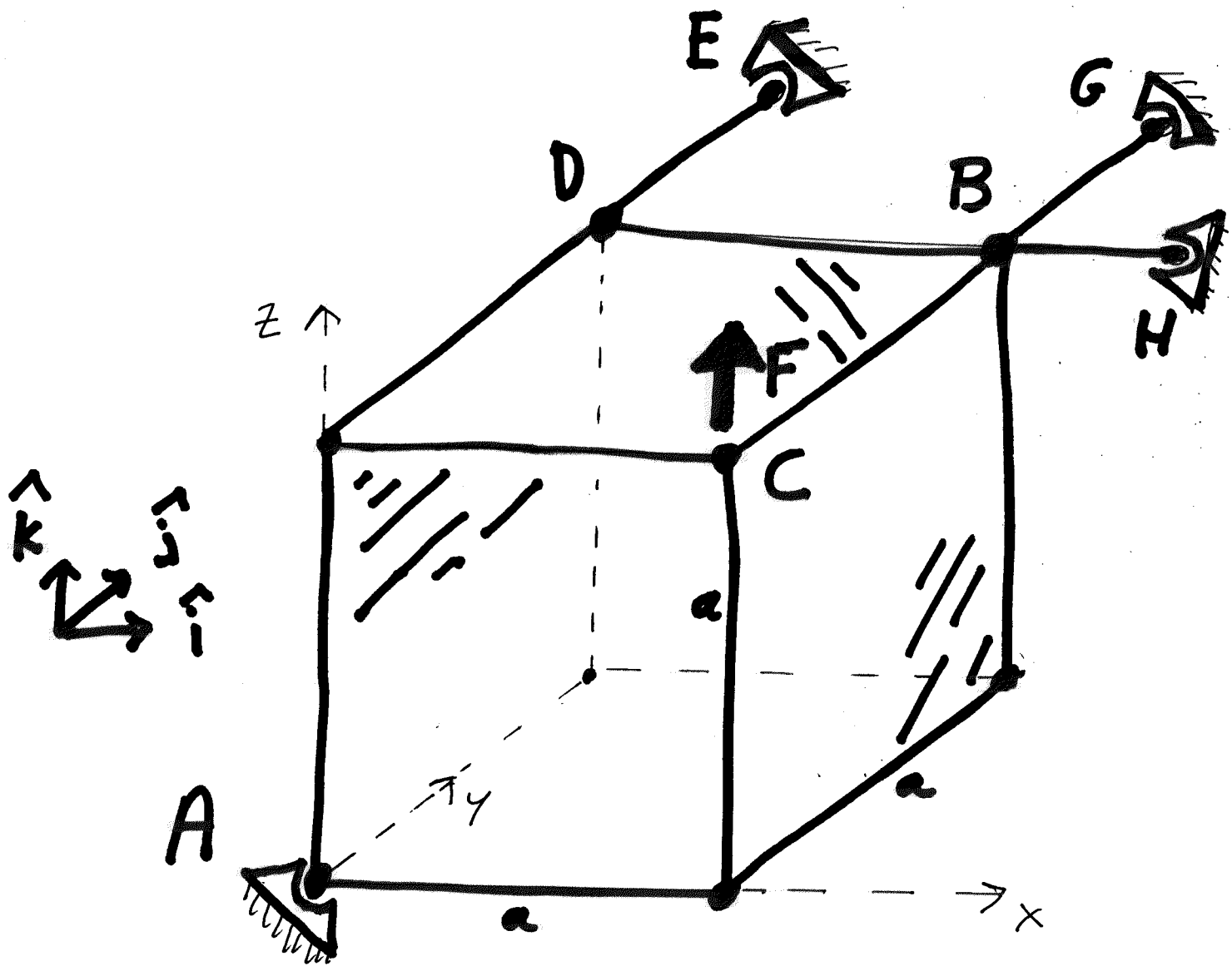
* Basic idea: Principle of the lever.

Perpendicular distance d \times perpendicular force F^\perp



Moment of \underline{F} about axis AB

$$M_{AB} = d F^\perp = \underline{M}_{D/A} \cdot \hat{\lambda}_{AB} = (\underline{r}_{D/A} \times \underline{F}) \cdot \hat{\lambda}_{AB}$$



Rigid cube held by
ball & socket and 3 bars.

Given F, a find T_{DE} .