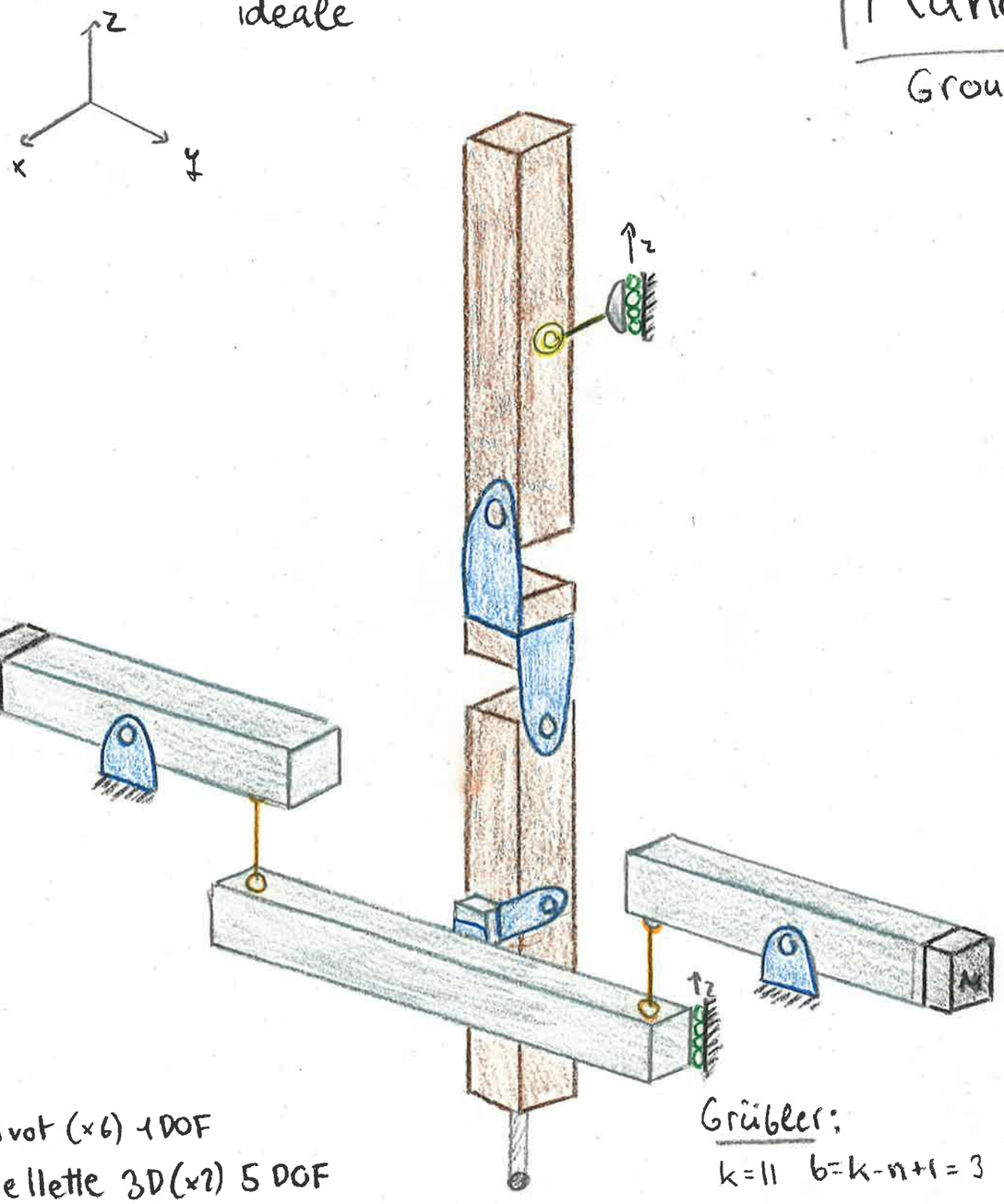
Planche E

Groupe 1

Cinématique idéale



- pivot (×6) 1 DOF
- biellette 3D (×2) 5 DOF
- rotule (×1) 3 DOF
- glissière (×2) 1 DOF

Grübler :

$k = 11 \quad b = k - n + 1 = 3$

$n = 9$

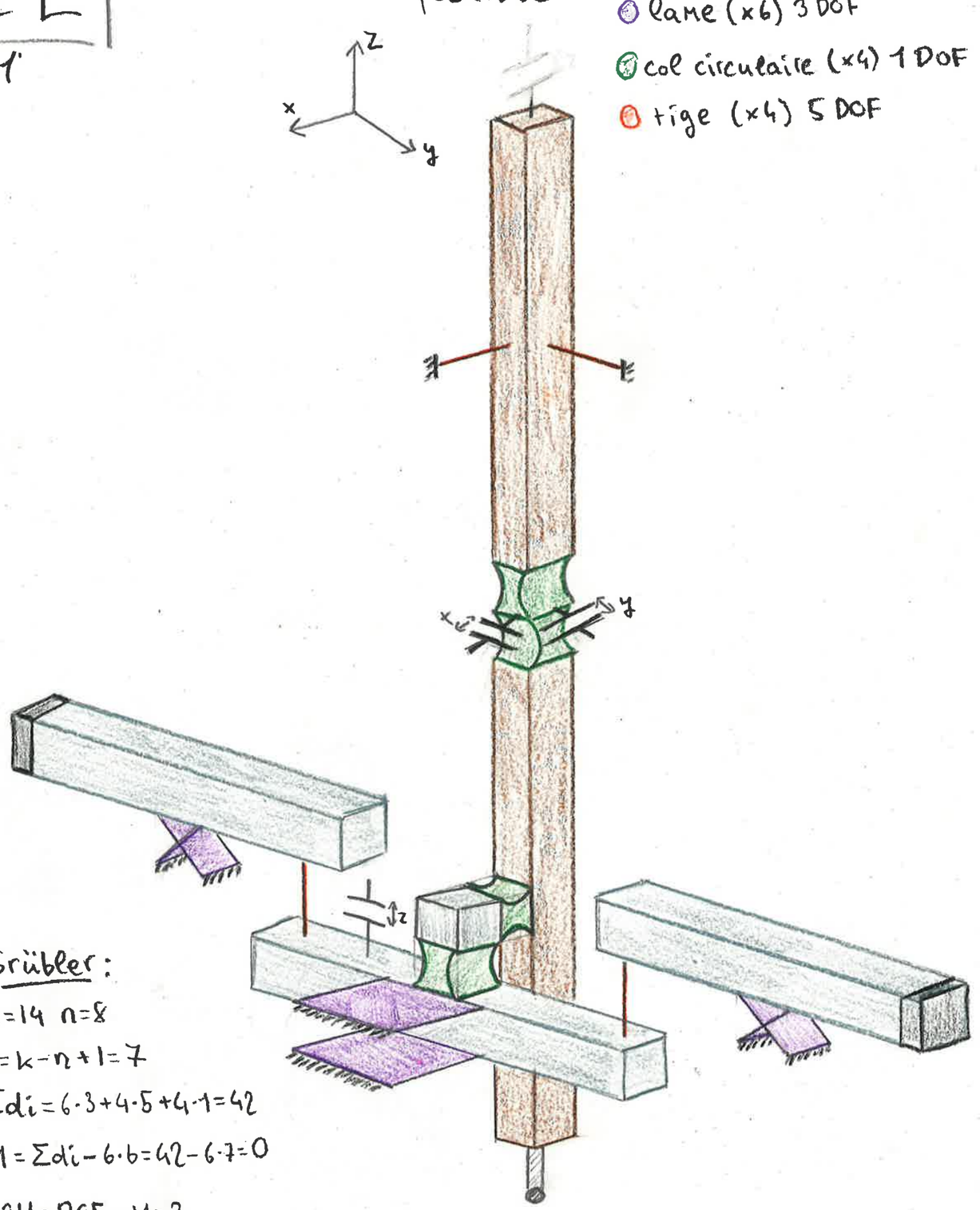
$\sum di = 1 \cdot 3 + 2 \cdot 1 + 2 \cdot 5 + 6 \cdot 1 = 21$

$M = 21 - 6 \cdot 3 = 3$

$DOH = DOF - M = 3 - 3 = 0$

Cinématique flexible

- lame (×6) 3 DOF
- col circulaire (×4) 1 DOF
- tige (×4) 5 DOF



Grübler :

$k = 14 \quad n = 8$

$b = k - n + 1 = 7$

$\sum di = 6 \cdot 3 + 4 \cdot 5 + 4 \cdot 1 = 42$

$M = \sum di - 6 \cdot b = 42 - 6 \cdot 7 = 0$

$DOH = DOF - M = 3$

↳ DOH avec les pivots

↳ 1 DOH avec la table à lames

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M. Tonascia