**Question I.1 Graphe des liaisons :**

**Question II.3 :**

**Questions III.2-3 :**

$\vec{P}= -m.g.\vec{y\_{1}} $ (Poids des quatre masses)

θ

Notation des longueurs : AC = c ; AG = d.

$$\vec{x\_{1}}$$

$$\vec{x\_{1}}$$

$$\vec{x\_{2}}$$

α

Bras 5

G

$$\vec{y\_{1}}$$

A

C

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| θ | Intensité | Cm expérimental | Cm théorique |  |
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**Question III.4 : Conclusions**