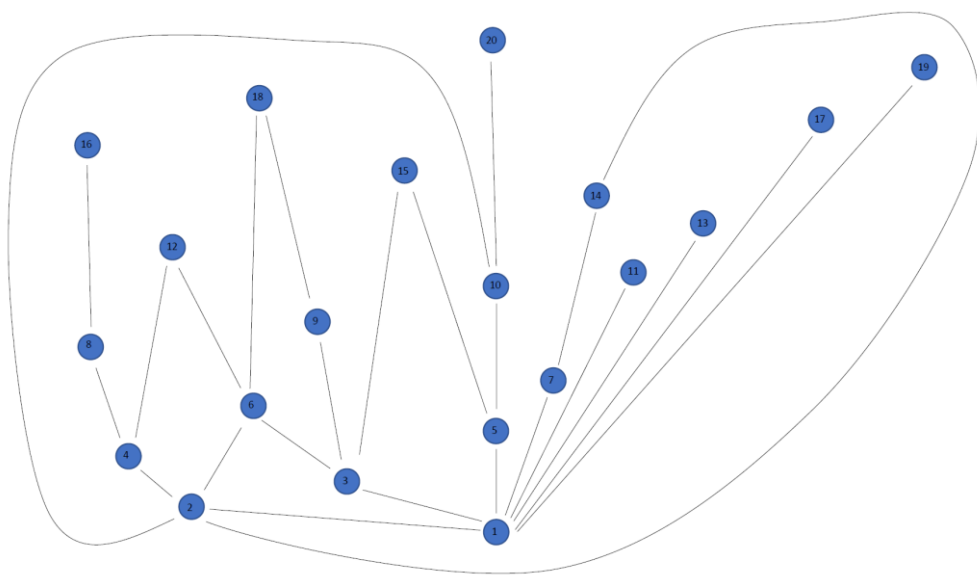
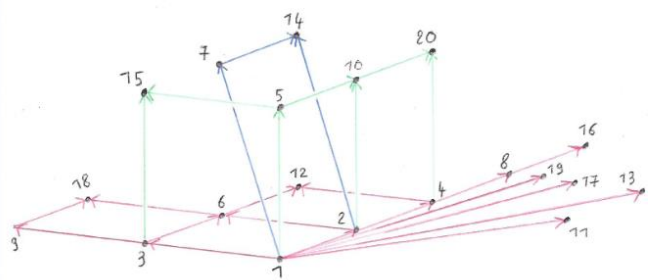
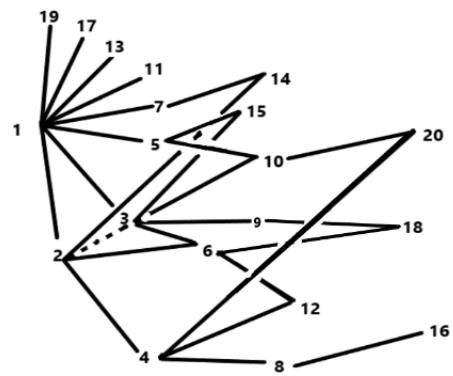
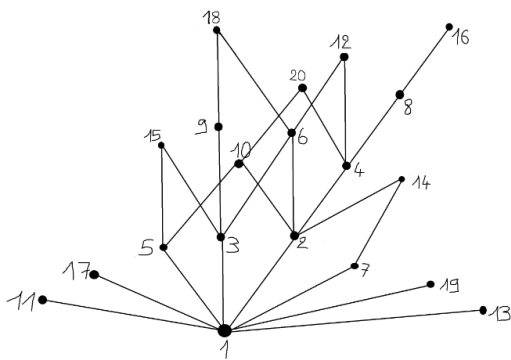
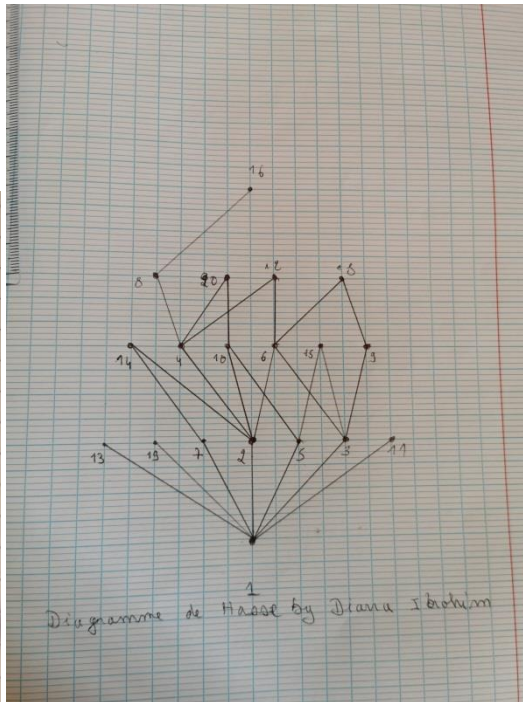
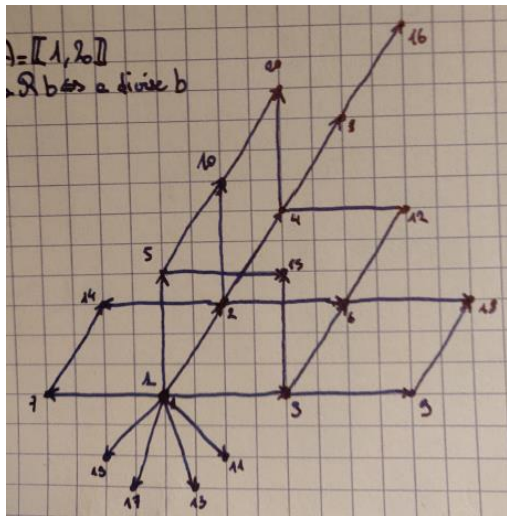
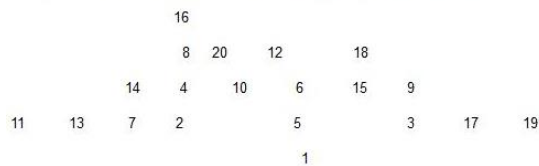


Diagramme de Hasse





J'aligne tout d'abord les nombres, "par étages", et je commente ensuite (je ne vois pas comment indiquer les liens-arêtes autrement).



On place 1 au rez-de-chaussée :

On le relie, flèches dirigées vers le haut, à tous les nombres premiers compris entre 2 et 20 figurant au premier étage.

Pour le passage du premier au deuxième étage, comportant les nombres 14, 4, 10, 6, 15 et 9 :

- On relie 7 à 14
- 2 à 14, 4, 10 et 6
- 5 à 10 et 15
- 3 à 6, 9, et 15

Les quatre autres nombres, 11, 13, 17 et 19, n'ont pas de successeurs dans A.

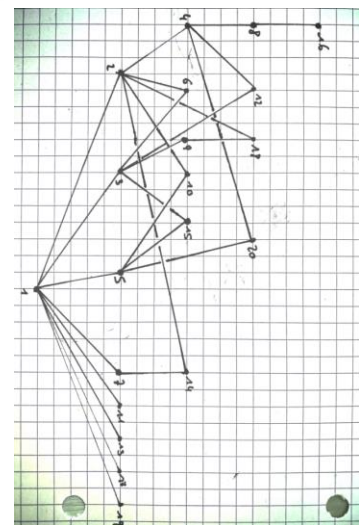
Pour le passage du deuxième au troisième étage, comportant les nombres 8, 20, 12 et 18 :

- On relie 4 à 8, 12 et 20
- 10 à 20
- 6 à 12 et 18
- 9 à 18

14 et 15 n'ont plus de successeurs.

Un seul lien assure le passage du troisième au quatrième étage, celui de 8 à 16, qui n'a plus de successeurs.

12, 18 et 20 n'ont plus de successeurs.



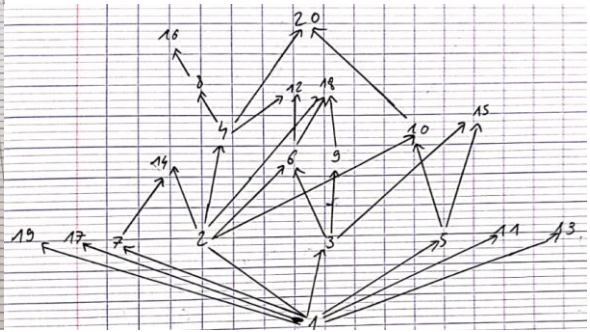
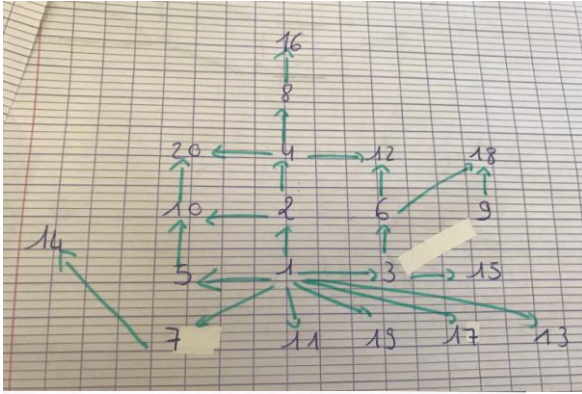
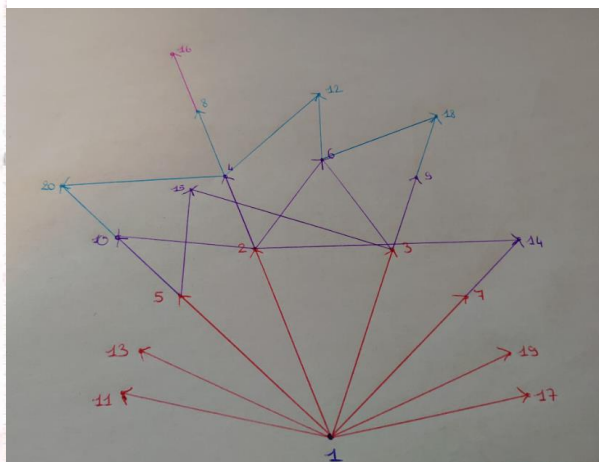
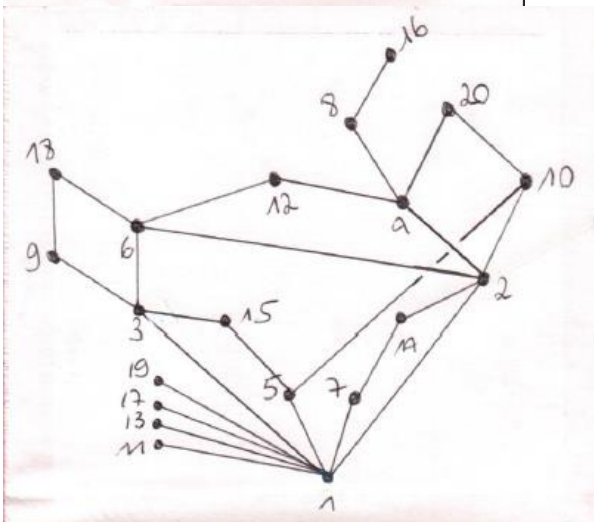
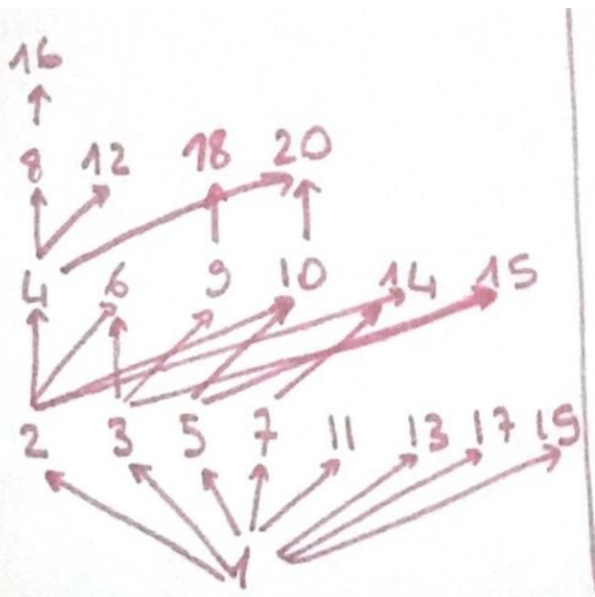
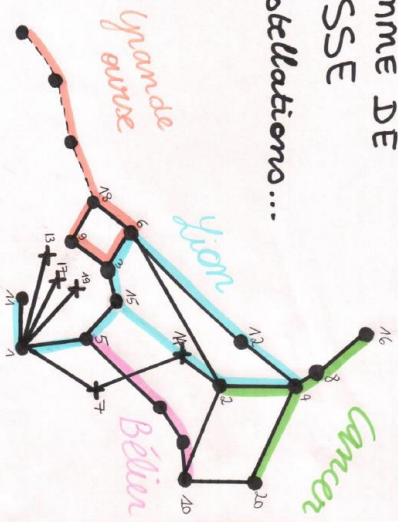
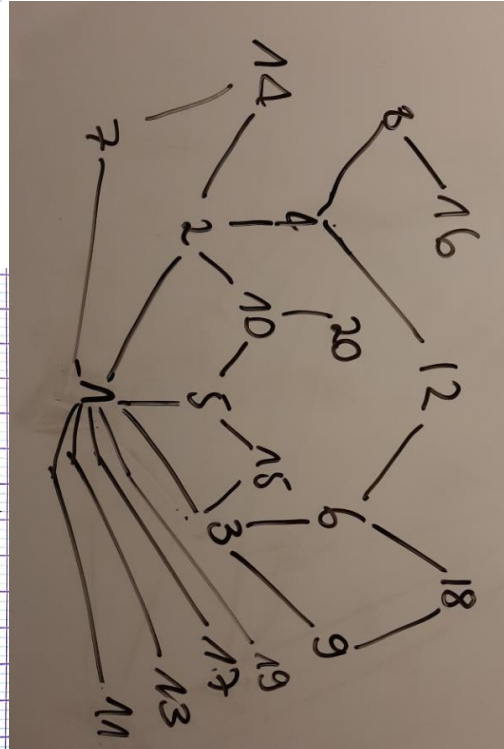
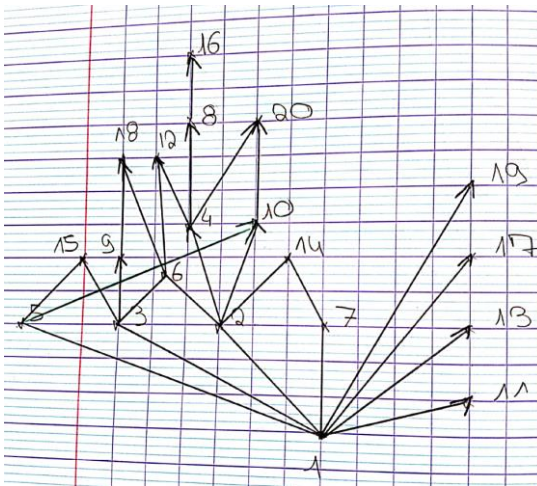
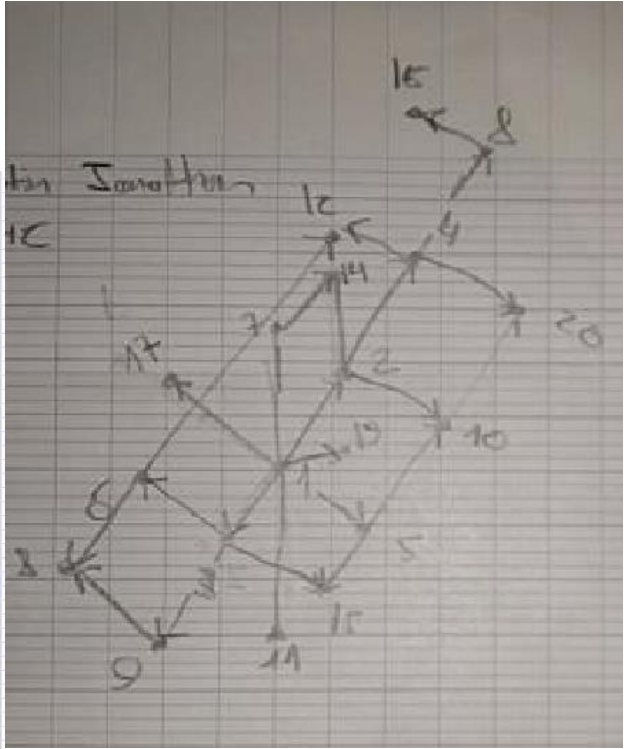
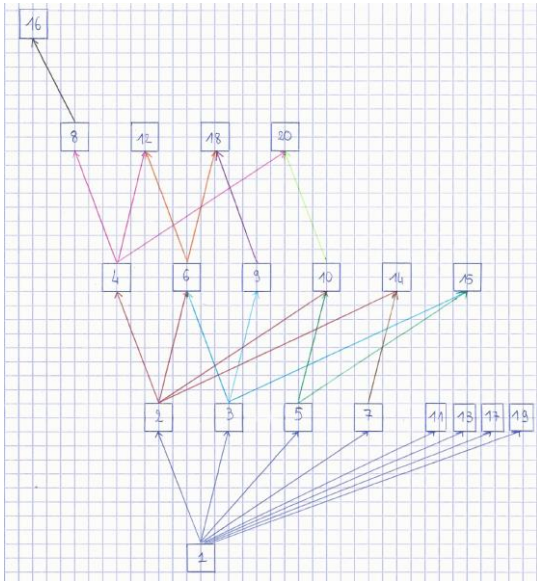


DIAGRAMME DE
HASSE
and combellations...





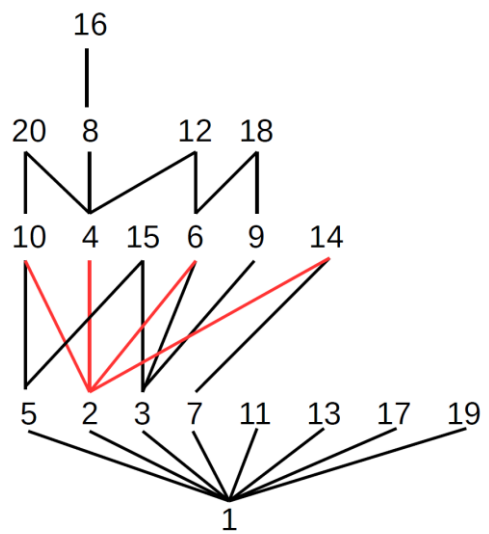
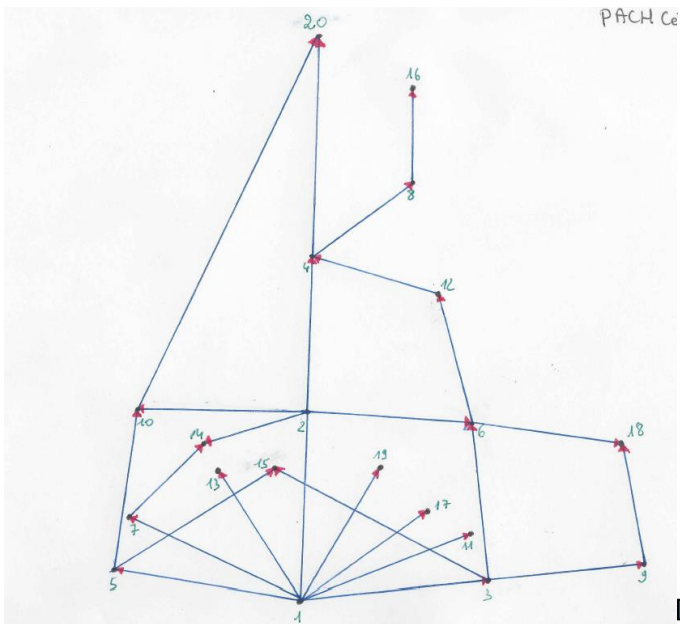
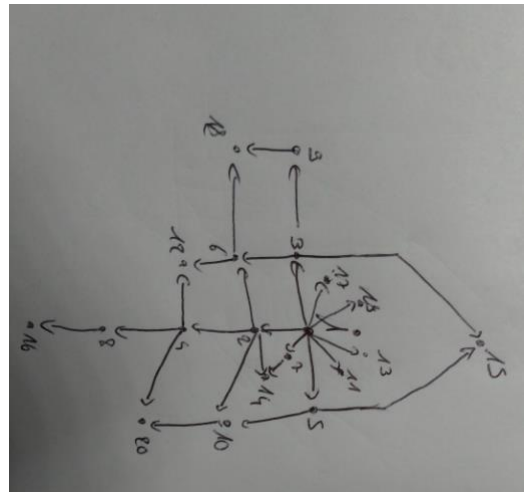
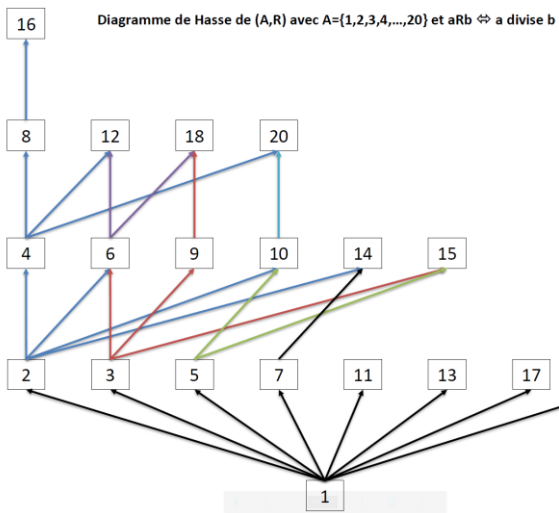
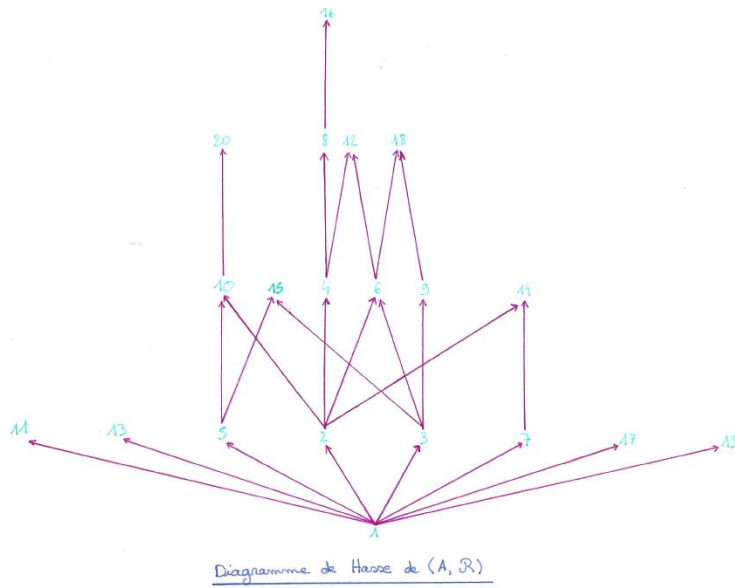
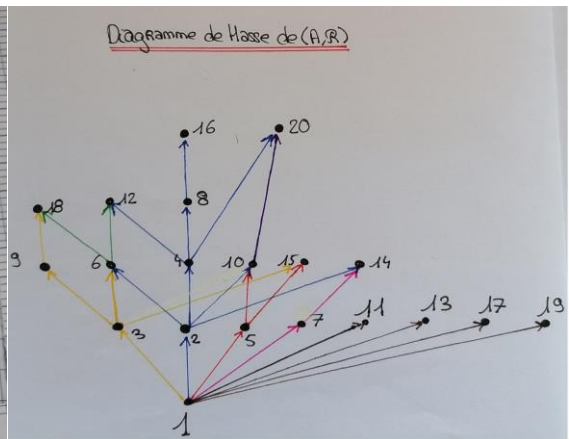
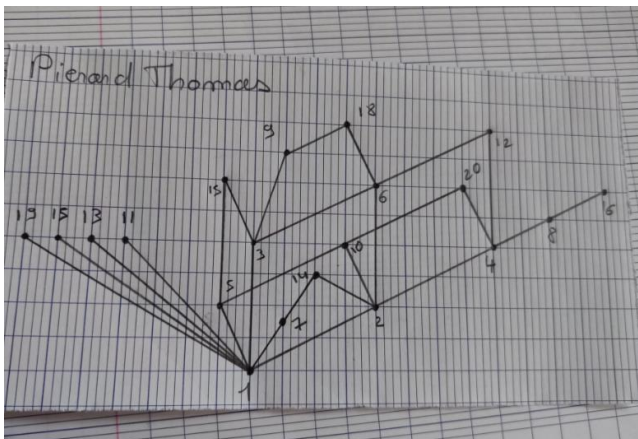
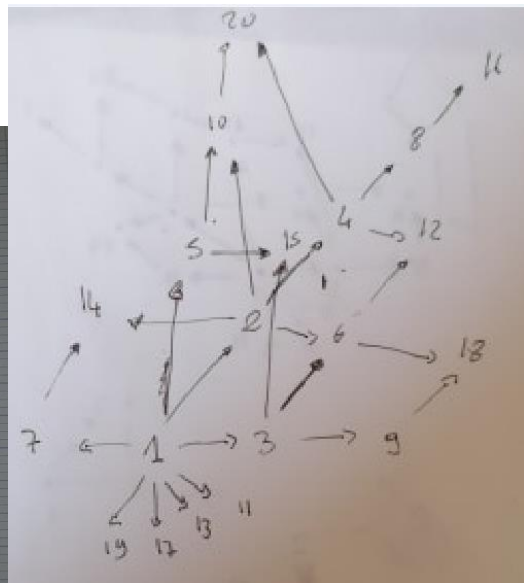
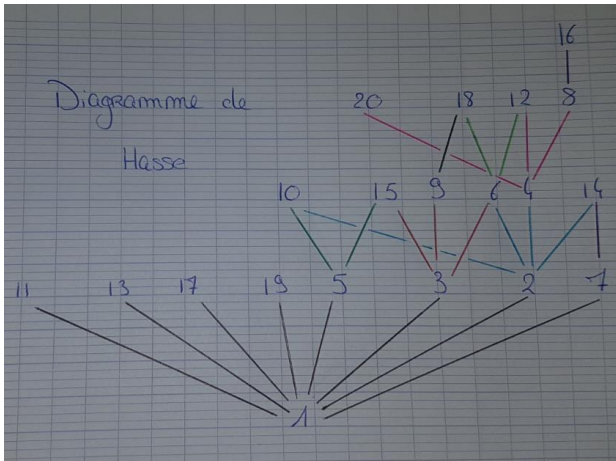
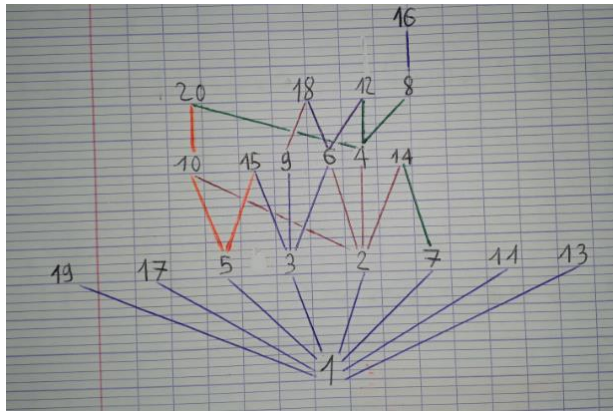
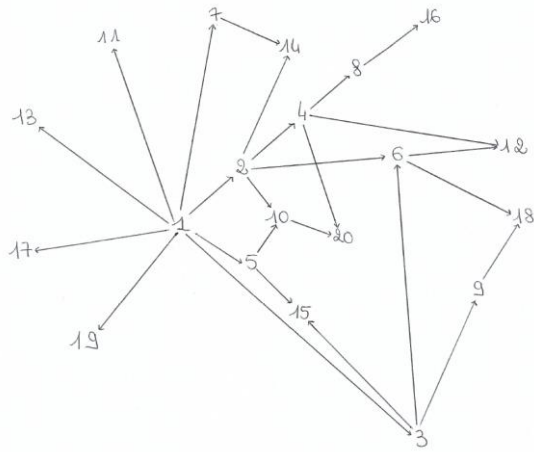
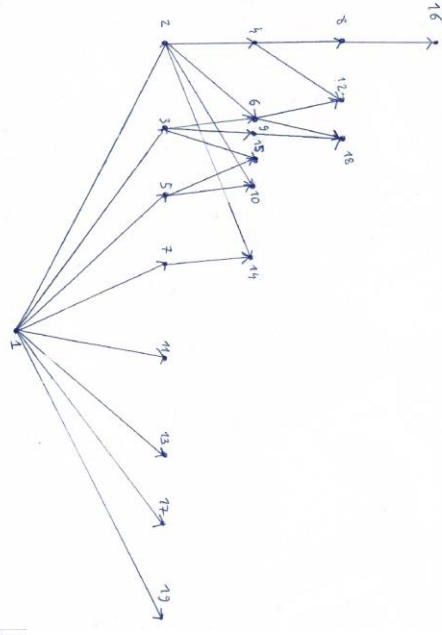
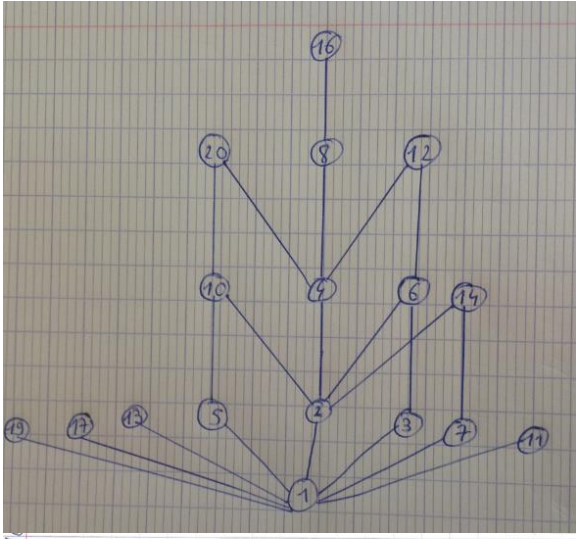


Diagramme de Hasse de (A, R)





Ans [1,20] a) $R \subset \subset$ a direct b
 Diagramme de Hasse de (A, R) :

