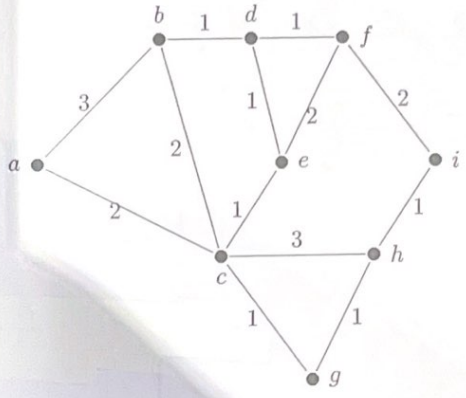
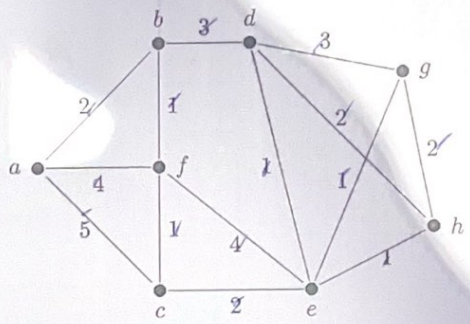
Exercices - Arbres recouvrants de poids minimal.

Pour chaque arbre ci-dessous, déterminez un arbre recouvrant de poids minimal. Vous utiliserez l'algorithme de Kruskal puis celui de Prim-Jarnick.

G_1

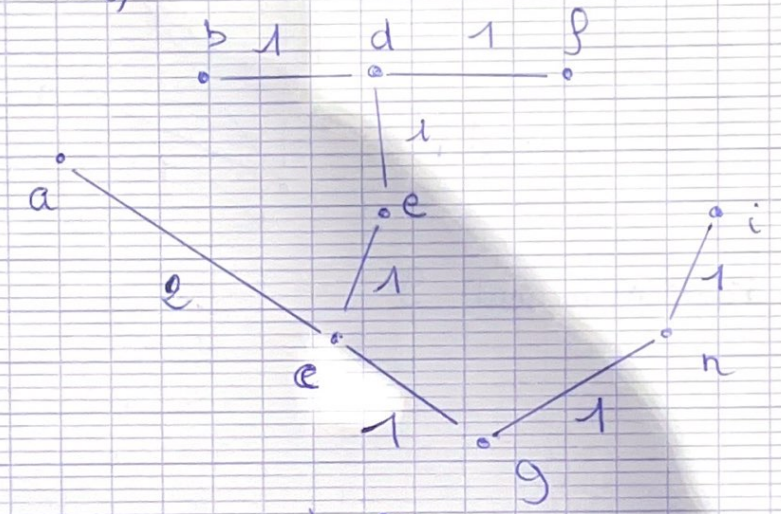


G_2



Exercices
Kruskal
G1:

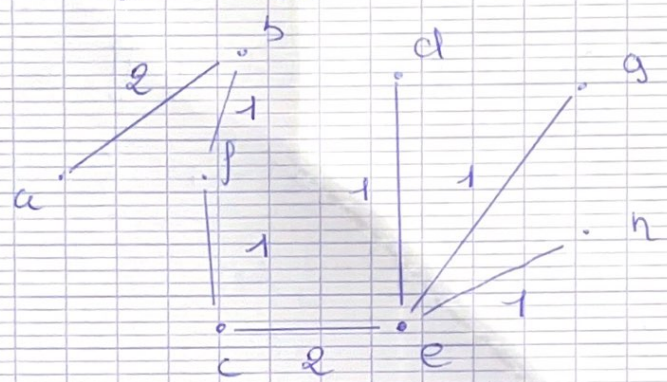
T: (gc, gh, hi, ce, ed, bd, df, ca, cb, ef, fi, ch, ab)



Poid minimal: 9

G2 :

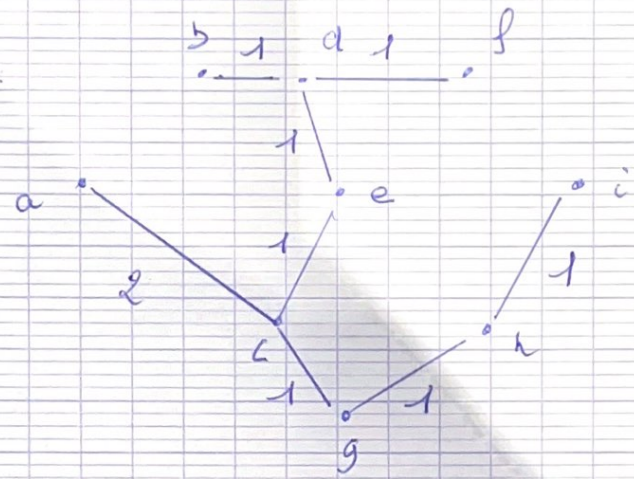
$T = \{eh, eg, ed, cf, fb, ce, hg, hd, ab, bd, dg, ef, fa, ac\}$



Poids minimal : 9

Exercice.

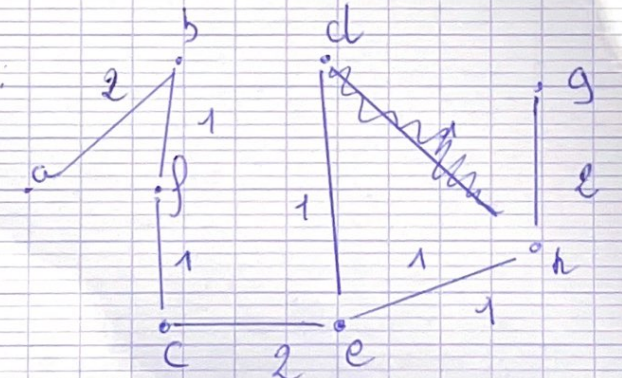
G_1.



$A_G(S)$

(gc), gh
(gh), ce, ca
(ce), ca, hi
(ca), hi, ef, ed
(hi), ef, ed, ab
ef, (ed), ab, if,
ef, ab, if, ~~ba~~, (bd)
ORdRe : g
ef, ab, if, (ba)

G_2.



$A_G(S)$

(ed), eg, eh, ef, ec
(eg), eh, ef, ec, db, dg
(eh), ef, ec, db, dg, gh