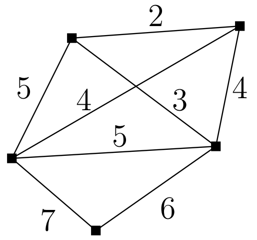
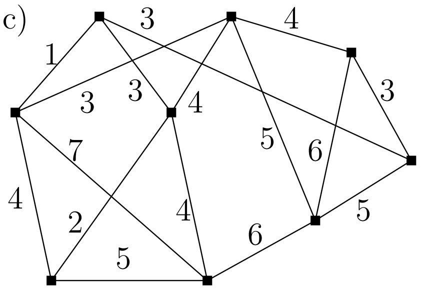
Graafid — 6. kodused ülesanded
tähtaeg 11./12.10.2004

Ülesanne 1. Leia järgmiste graafide minimaalse kaaluga aluspuud.

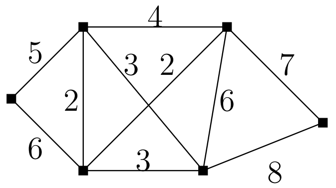
a)



c)

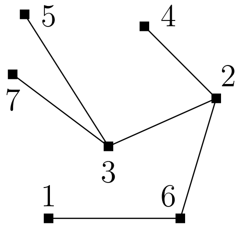


b)

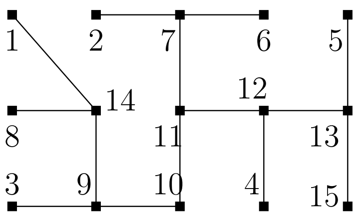


Ülesanne 2. Leia järgmiste märgendatud puude Prüferi koodid.

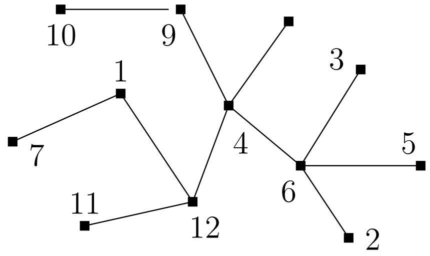
a)



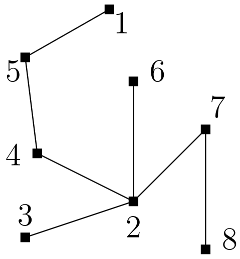
b)



c)



d)



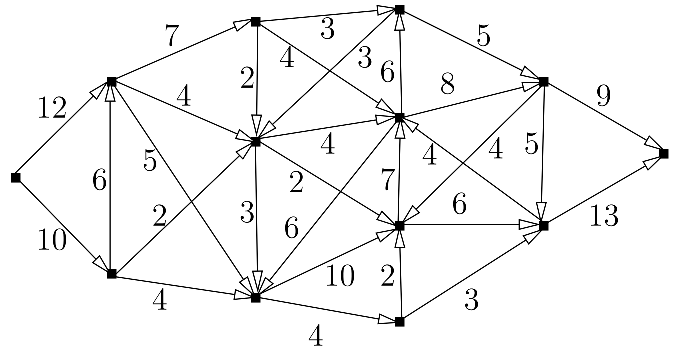
Ülesanne 3. Leia järgnevatele Prüferi koodidele vastavad märgendatud puud (märgendite hulgaga $\{1, \ldots, n\}$, kus n on puu tippude arv).

a) (1,3,2,3,5,3,4) b) (2,6,5,3,6,6) c) (4,4,2,5,8,6)

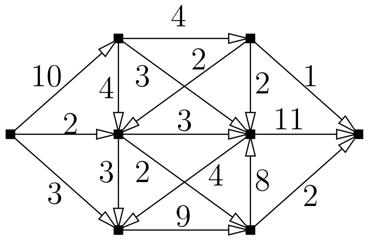
d) (2,6,4,3,6,1,7) e) (3,9,4,2,7,2,3) f) (8,6,2,5,2,8,6,2)

Ülesanne 4. Leia maksimaalsed vood järgmistes võrkudes.

a)



b)



Ülesanne 5. Leia minimaalse hinnaga maksimaalne voog järgmises võrgus. Hallil taustal on kaarte hinnad.