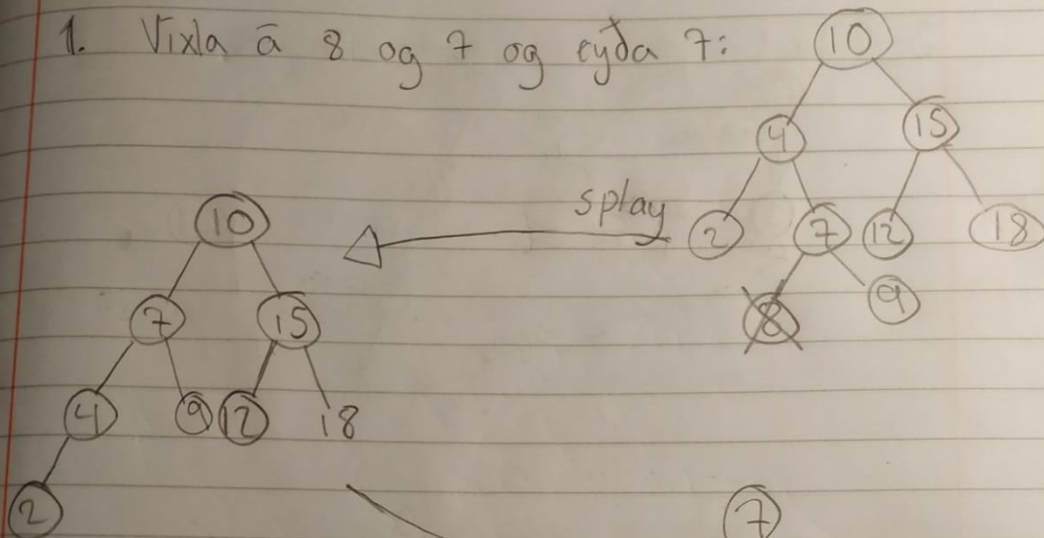


Heimadæmi - heimadæmi 10

Arnar Sigurðsson

GR 10

1. Vixla á 8 og 7 og eyða 7:



(Ef ekki í sama hóp, þá)

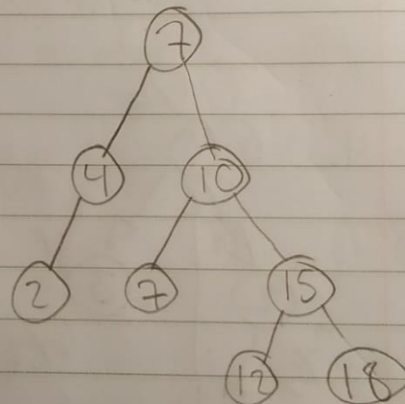
2. @ Union(3, 5) → Union(5, 8)

→ Union(0, 8) → Union(6, 8)

→ Union(8, 7) → Union(9, 2)

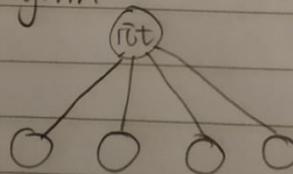
→ Union(4, 2) → Union(1, 2)

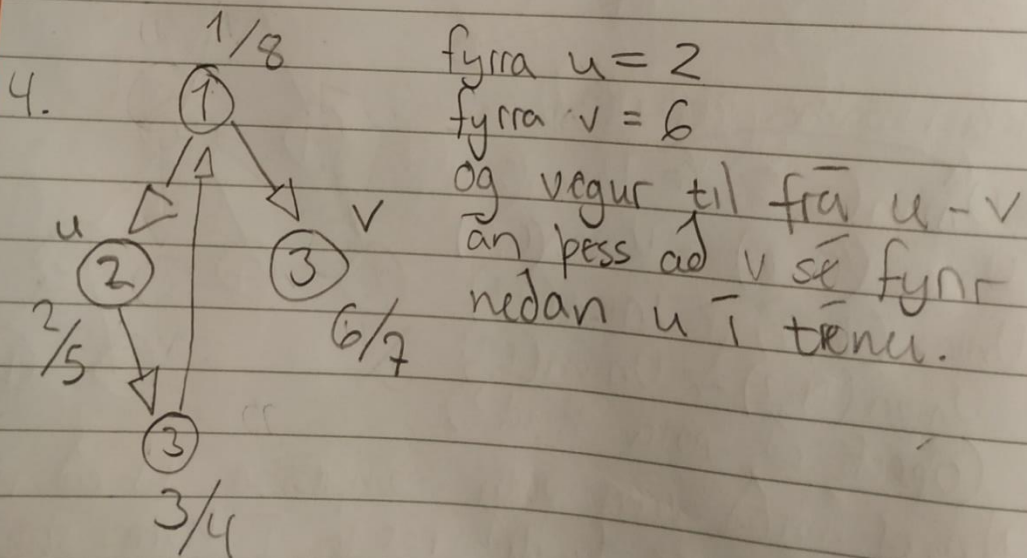
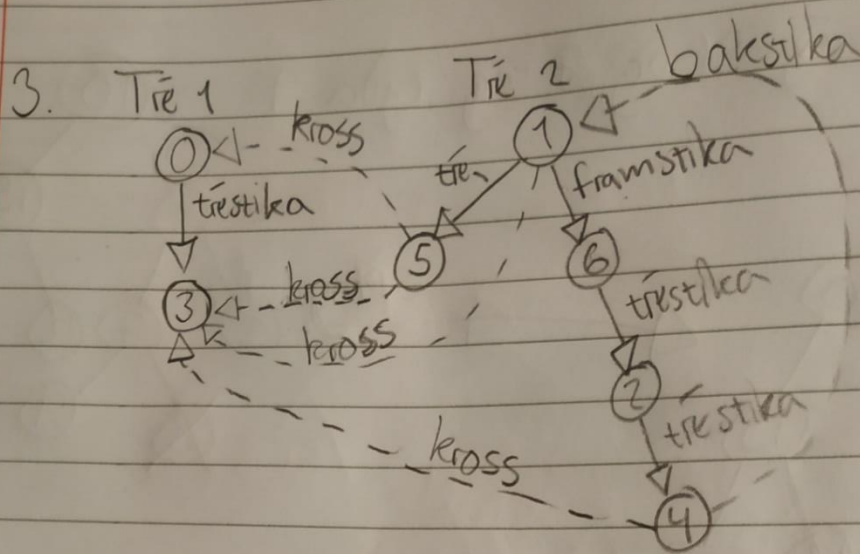
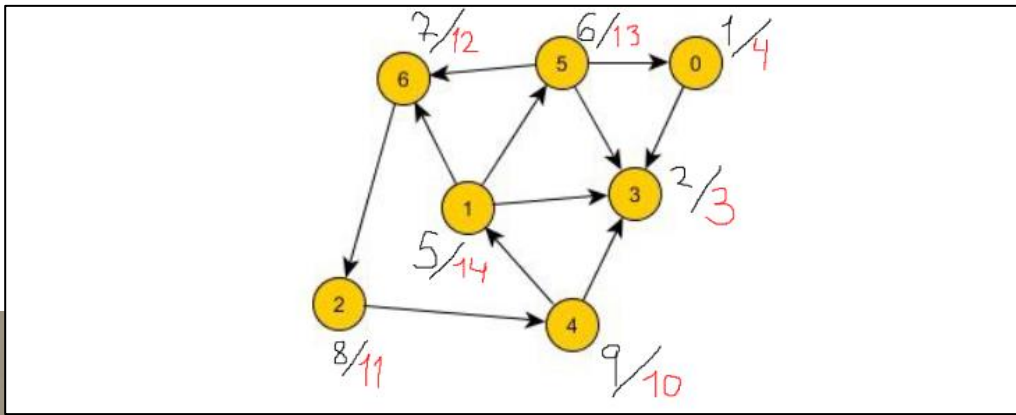
(Öparfi að nota Find?)



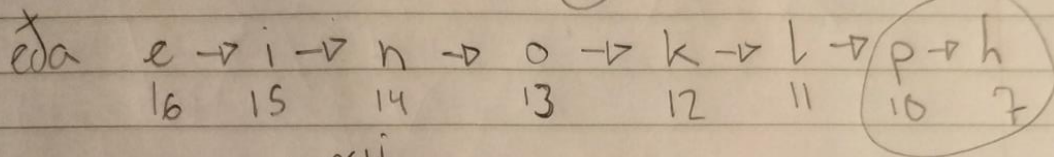
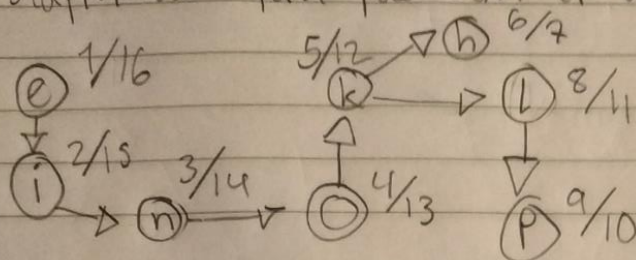
⑥ Nei, ef notað væri path compression til að mynda flatt tré væri fundið rötina í hverri sameiningu og innviðann tengdur beint þangað.

Tré myndi líta einhverveginn svona út →





5. Ef tekið er næsta hlüt sem er farnar í stafröfinu föst það sem er á mynd 6.8.



Ef tekinn er næsti hlútur sem er aftur í stafröfinu kemmi út:

