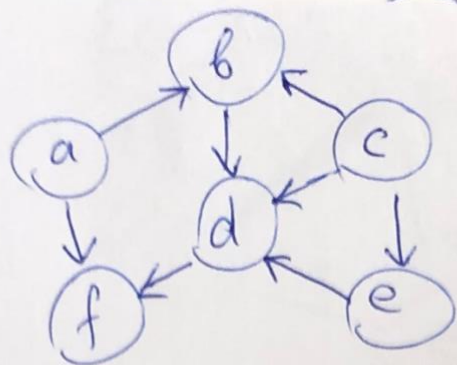


①



$c(1/8), b(2/7), d(3/6), f(4/5), e(9/10)$

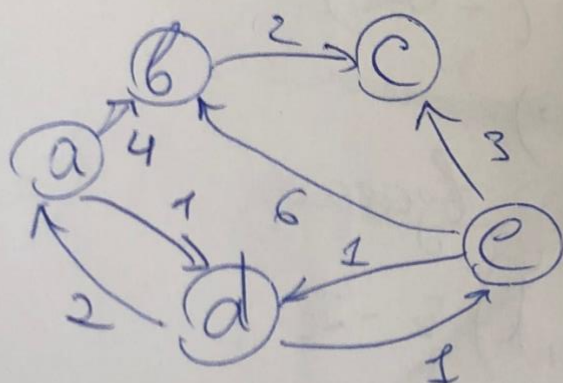
$a(11/12)$.

WHITE: $(c;b), (b;d), (d;f), (c;e)$,

~~GRAY:~~

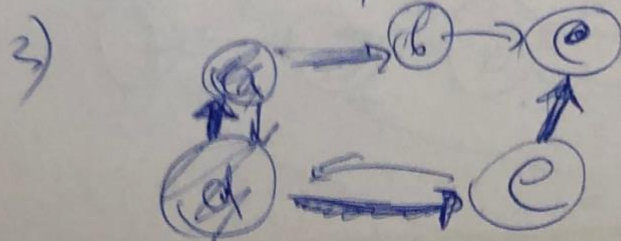
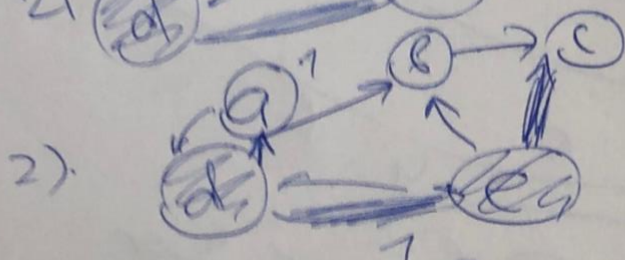
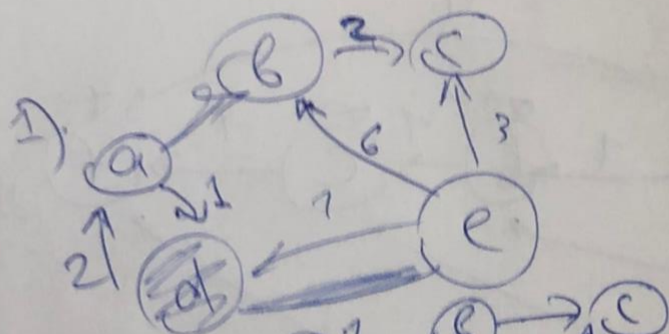
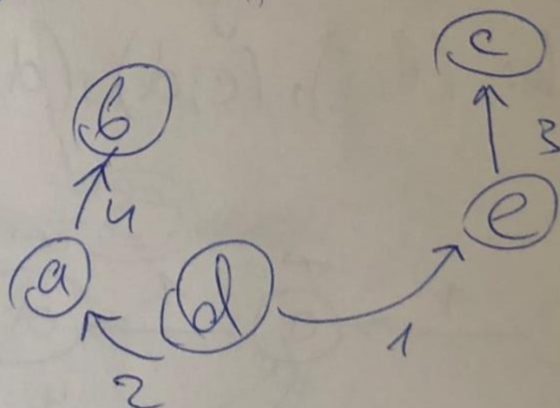
BLACK: $(c;d), (e;d), (a;b), (a;f)$

②

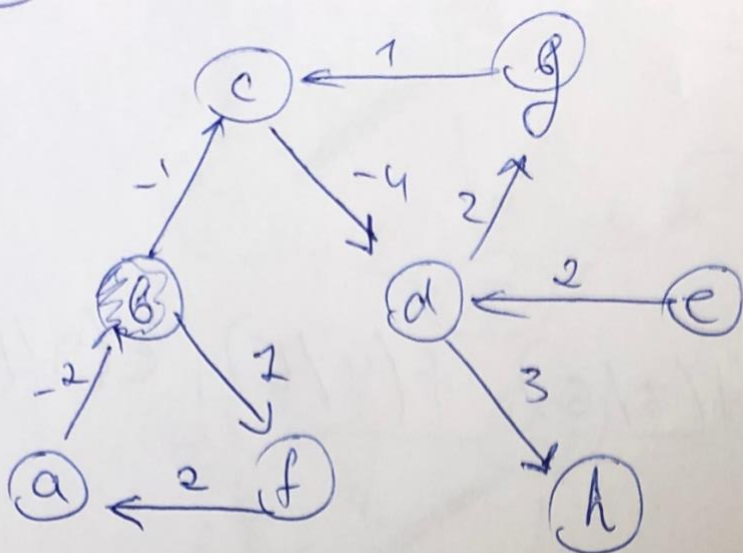


$S = \{d; e; c; a; b\}$

Highways:



3



c: $(b;c) = -1$.

a: $(b;f), (f;a) = 3$.

f: $(b;f) = 1$

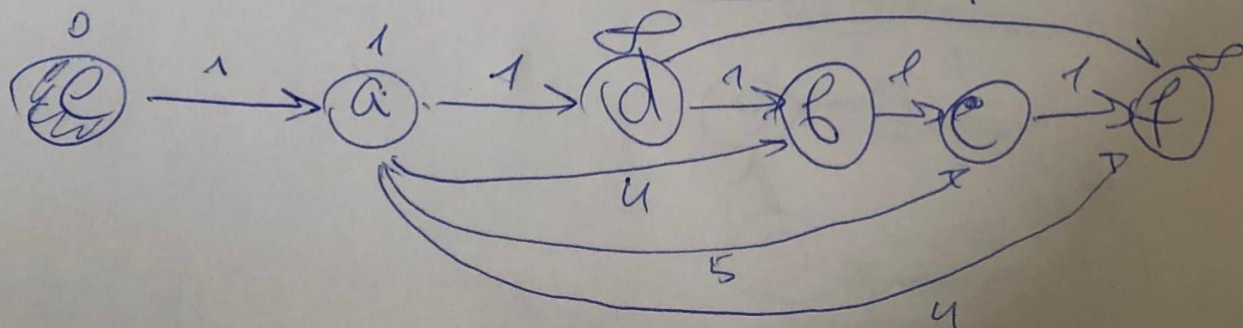
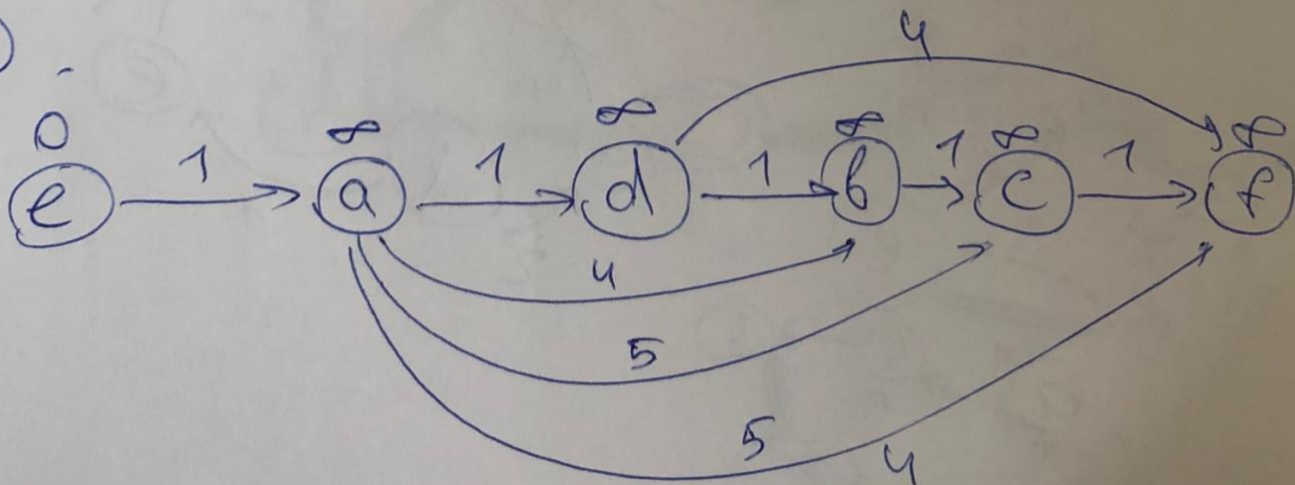
g: ~~ke~~ ke icaye $(-\infty)$.

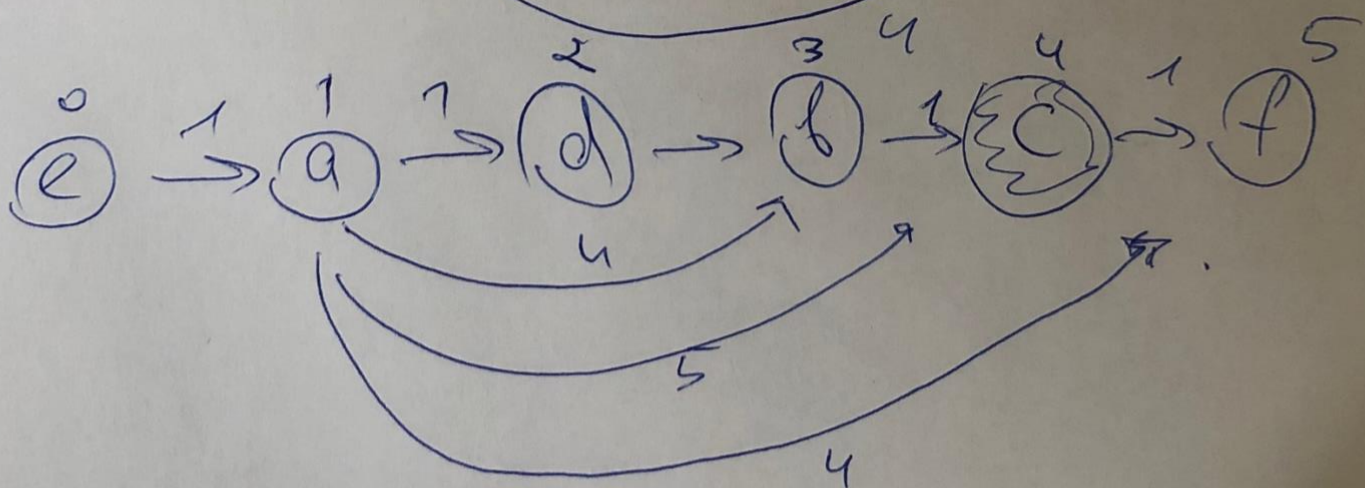
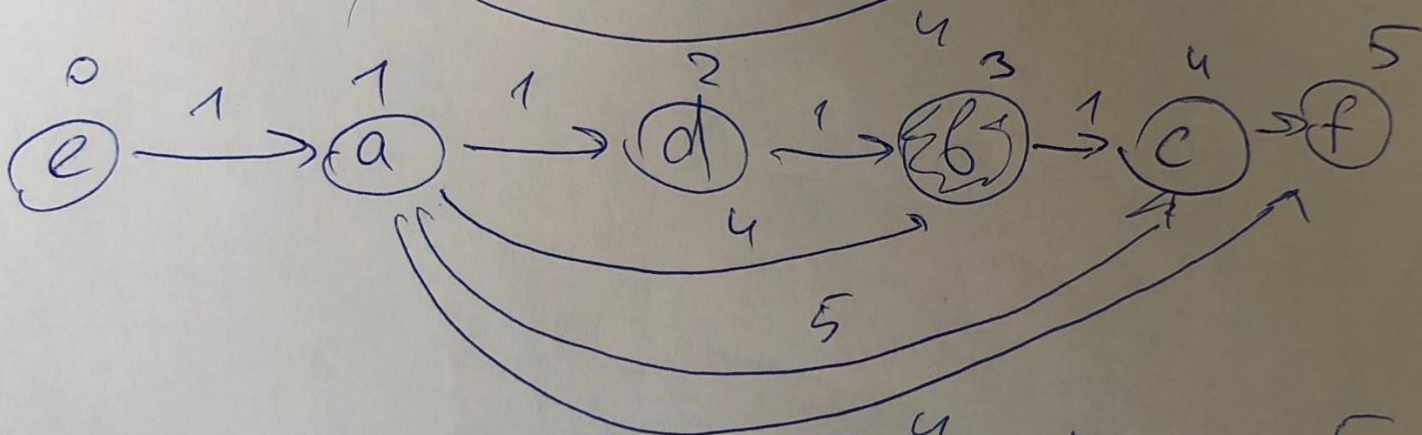
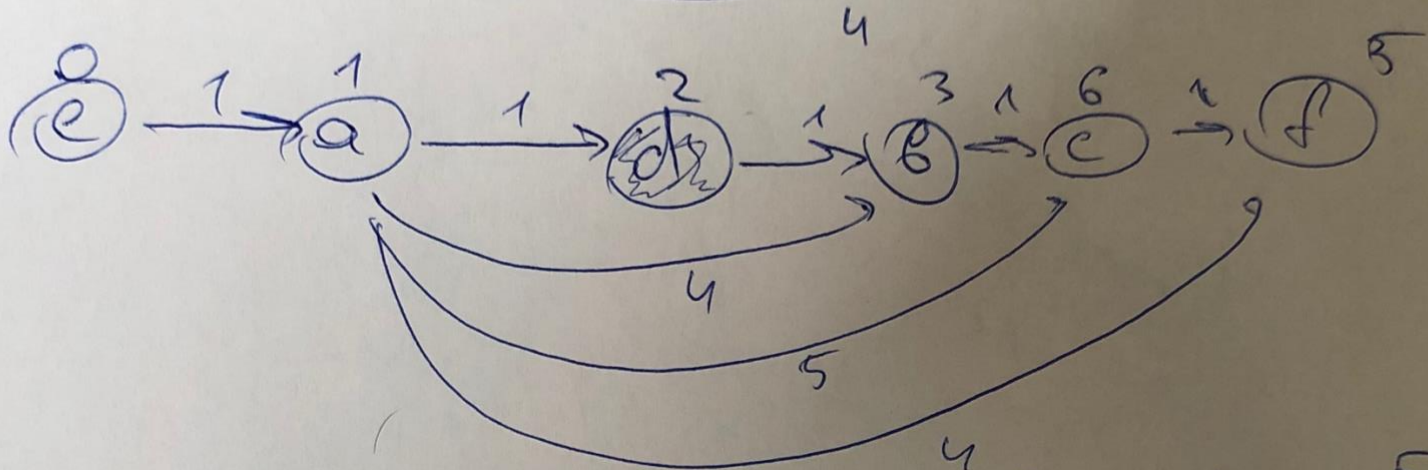
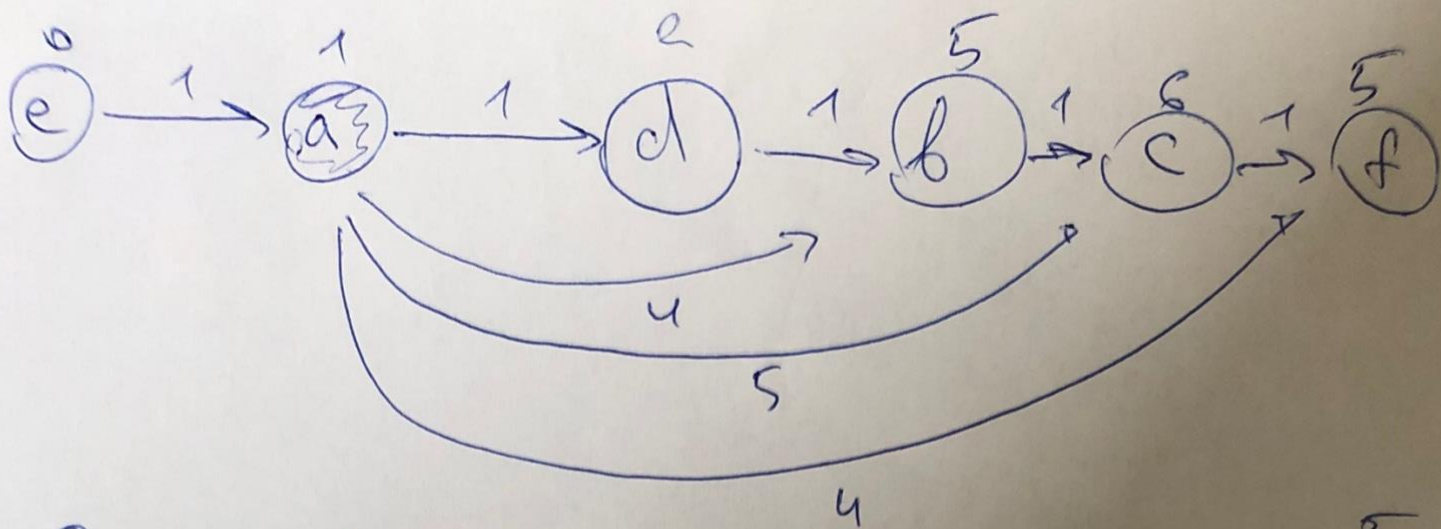
d: ke icaye $(-\infty)$

e: ke icaye unexy bzarani.

h: $(b;c), (c;d), (d;h) = -2$.

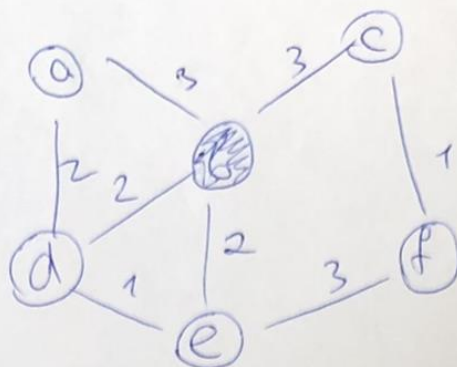
4



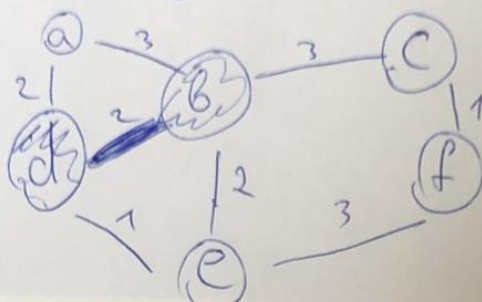


5)

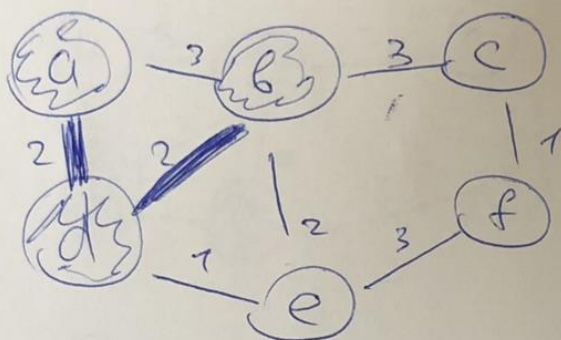
1)



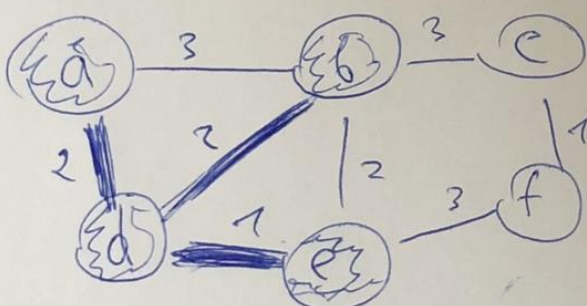
2)



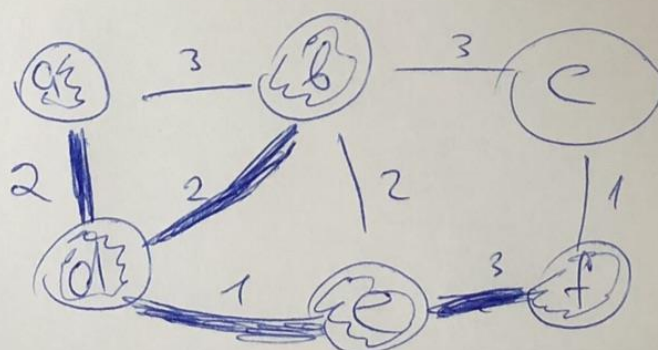
3)



4)



5)



6)

