**Tehnologije biomedicinskog**

**inzinjeringa**

**Ognjen Gerun RA56/2014**

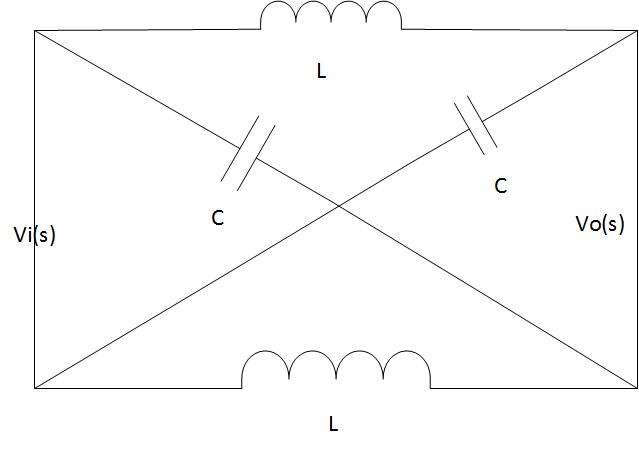
**Domaci zadatak 2.**

**Zadatak**:

a) Naci funkciju prenosa kola sa slike. 

L=10µH

C=10µF



b) Izracunati kasnjenje signala na izlazu u odnosu na kolo na ulazu. τ(ω)=?

c) Skocirati signal na izlazu, ako je je signal na ulazu .

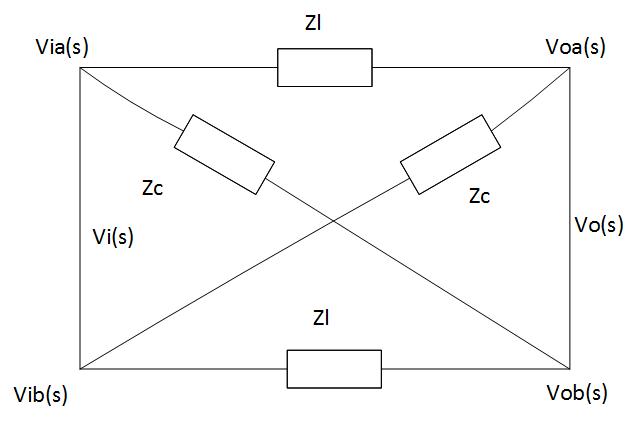
a)

=

=sL

(s)=(s)-(s)

(s)=(s)-(s)



(s):

(s)=×(s)+×(s)=(s)

+(s)

(s):

(s)=×(s)+×(s)=(s)

+(s)

(s)=(s)-(s)=+ (s)−−(s)

(s)=

(s )=

b)

τ(ω)=−

F(jω)==

ϕ(ω)=arctg=0

τ=0

c)

