









2.
$$LINIJA$$
 BEZ $DISTORZI)E$

$$\frac{Z}{Z} = \frac{G}{C} \Rightarrow Ovjet \text{ in } je \text{ bez}$$

$$\frac{Z}{distorzijk}$$

$$\frac{Z}{dis$$

```
PRIMIERI:
 (D) ZADANA JE LINIJA BEZ GUBITAKA SA PRIM.
    PARAMETRIMA: L= 4mH/km, C=8nF/km.
  a) KOLIKO NAJMANJE MORA BITT DUGA OVA LINIJA
     DA KOD W=10 Grad/S ULAZNA IMPEDANCIJA BUDE O
     KAD JE SUPROTNI KRAJ OTVORENS
  b) KOLIKI SU U(0,+), I(e,+), U(e,+) NA TOS
     LINUI AKO JE I(0,t)=5 cos(106t)=?
 a) LINIJA BEZ BUBITAKA =>
          和二片
                                        Jn=SVLC, ali kako
          St= jw/LC
                                        je Sinusna Pobuda
Žadana
                                               I(0,t)
                           I(OH)
                                              υ(e, +)
                        Ulo1U
                                             OTVOREN
-> UVJETOM ZADATKA JE ZADANO
                                               KRAI
           ZUL = O
              prapon/struja na početku
  => Zu= U(0,t) = U(e,t) ch(8e) + Zo I(e,t) sh(8e)
            I(0,t) U(e,t) 8h(8e) + I(e,t)ch8(e)
 => KOLIKA JE I(C,+) ?? => LINIJA NIJE
    ZATUORENA , PREMIA TOME, I(C,t) = 0
  => ZUL = ((let)ch(8) = Zo ch(8) 

(let) sh(8) = Zo ch(8) 

Sh(8)
```

$$Z_{0} = Z_{0} Ch(R) \quad i \quad maca \quad biti = 0$$

$$Z_{0} Ch(R) = 0 \quad \Longrightarrow kada \quad jc \quad \#adonofeno ??$$

$$kada \quad jc \quad brofinik = 0$$

$$Ch(S) = 0 \quad \Longrightarrow buduci \quad da \quad vrijeche$$

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$$Ch(S) = 0 \quad \Longrightarrow$$







