

## سوال 1) حل دستی

$$G(S) = k \frac{e^{-iT}}{5} \implies G(ju) = k \frac{e^{-juT}}{ju}$$

$$\int_{S} G(ju) = -Tw = -In.$$

$$\Rightarrow -Tw = -In.$$

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$$\Rightarrow G(ju) = -Tw = -In.$$

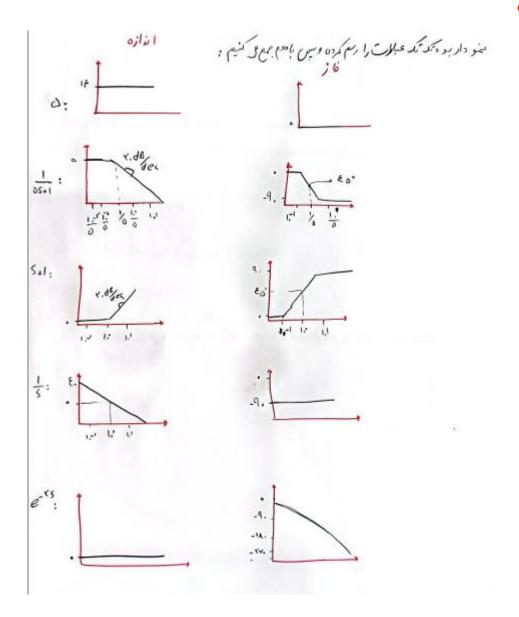
$$\Rightarrow G(ju) = -Tw = -In.$$

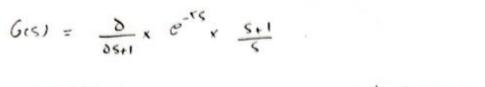
$$\Rightarrow G(ju) = -Tw = -Tw$$

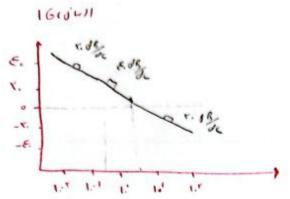
$$G(S) = \frac{k(S+Y)}{S^{5}} \Rightarrow G(S) = \frac{k(S+Y)}{S^{5}} = \frac{k(S+Y)}{S^{5}}$$

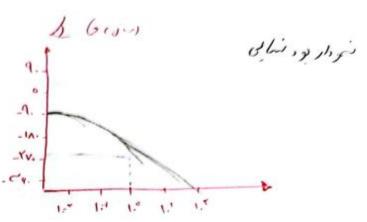
## 3) حل دستی

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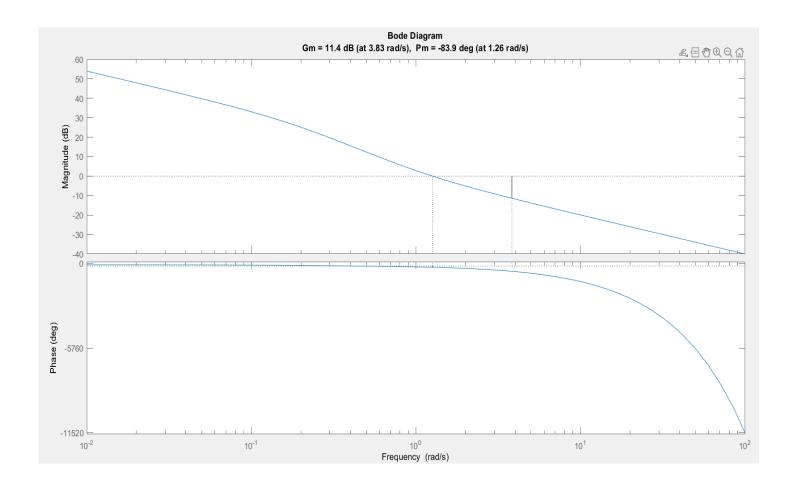
=) 
$$G(iu) = \frac{\partial(iu+i)e^{-Yo'u}}{iu(\delta iu+i)} = \frac{\partial(iu+i)e^{-Yo'u}}{iu - \partial u \times}$$

$$\int G(iu) = t e^{-Y(u)} - Yu - (9. + t e^{-Y(\delta u)}) = -1\Lambda.$$

=)  $t e^{-Y(u)} - t e^{-Y(\delta u)} - Yu = 9.$ 

|  $G(iu-i) = \frac{\partial x(...e \times i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i + 1)e^{-y \times i + 0}}{i \cdot y \cdot y} = \frac{\partial x(i +$ 

```
clc; clear; close all;
s = tf('s');
g1 = (5*(s+1)*exp(-2*s)) / (s*(5*s+1));
figure(1)
margin(g1)
```



$$G(ju) = \frac{\epsilon \alpha^r}{(ju + \alpha)^r} = \frac{\epsilon \alpha^r}{(\alpha^r - u^r) + \gamma^r ju \alpha}$$

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161111=1 => FOT = W+ OT => W= TOT => W= TEA

PM = 0- 1 tg-1 ( mg) - 1 No = - C. + C4. PM = 400

& G(ou) = 0-1tg-( ") =-11. => tg-(")=9.

= عنابدارات.