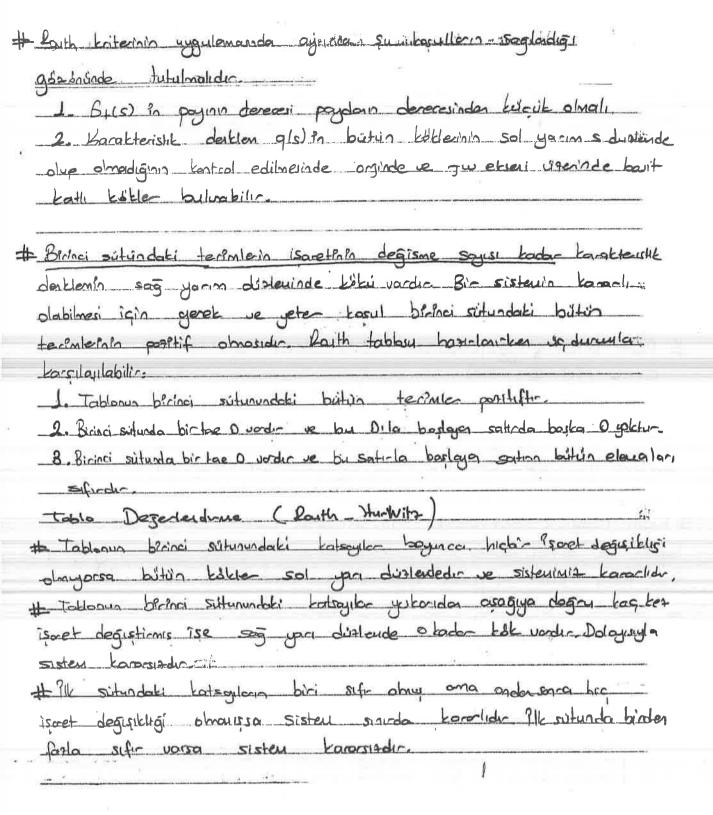
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sistemin koorlingin. Buth - Hurwitz kriteriyle inceleyiniz.

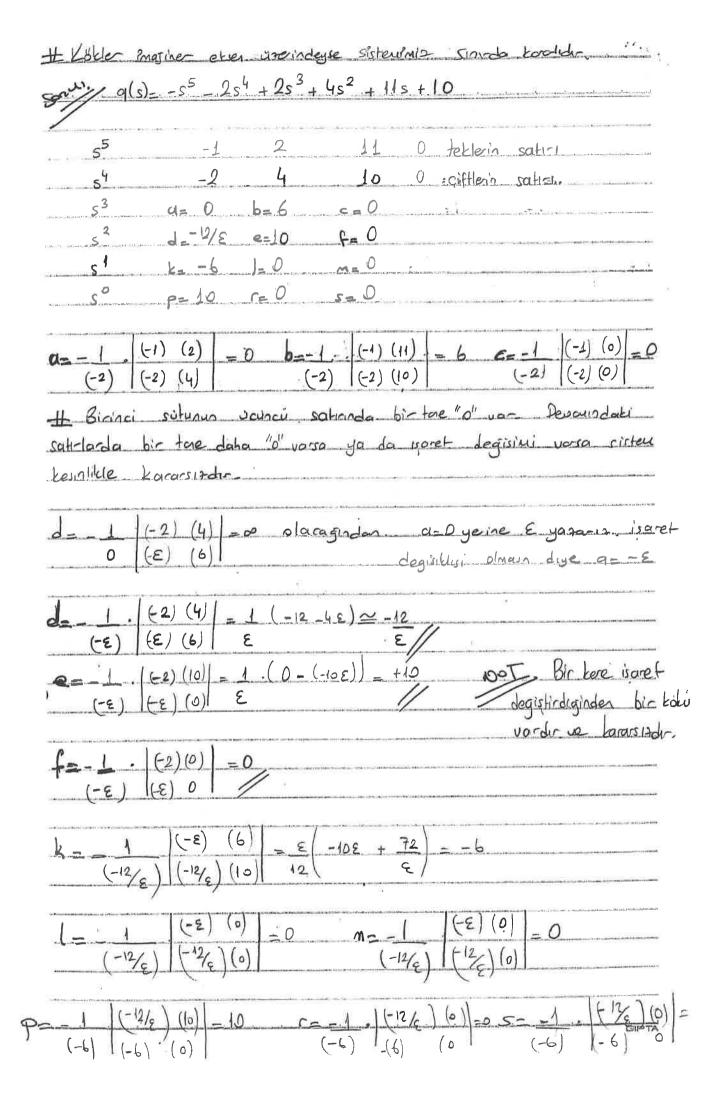
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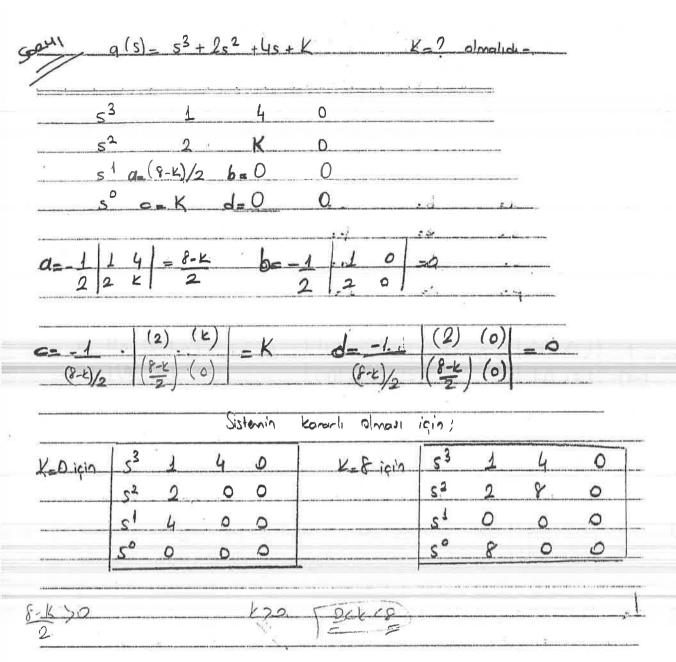
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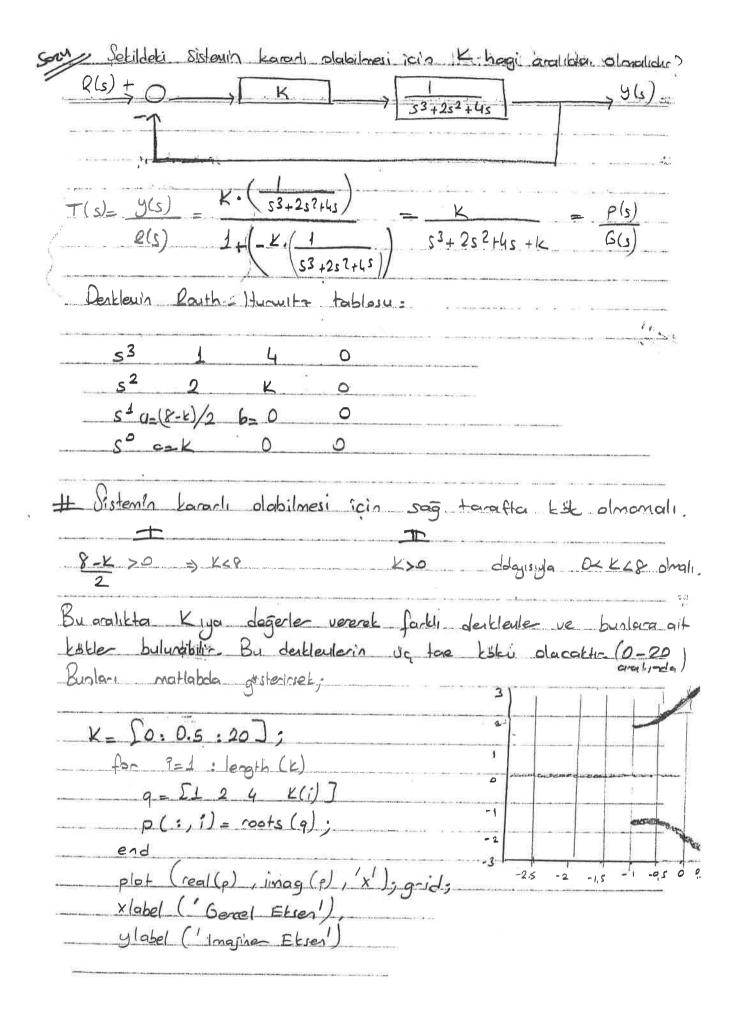
H Birinci suituna bakarsak; terimlein isareti arti iken eksiye sonca teknar artiya dénustiguinden iki ker isaret degisimi vordir. Bunedelle sog yorim 5-diitleminde iki kök vardir. Sistem karasiz bir sistemdir.

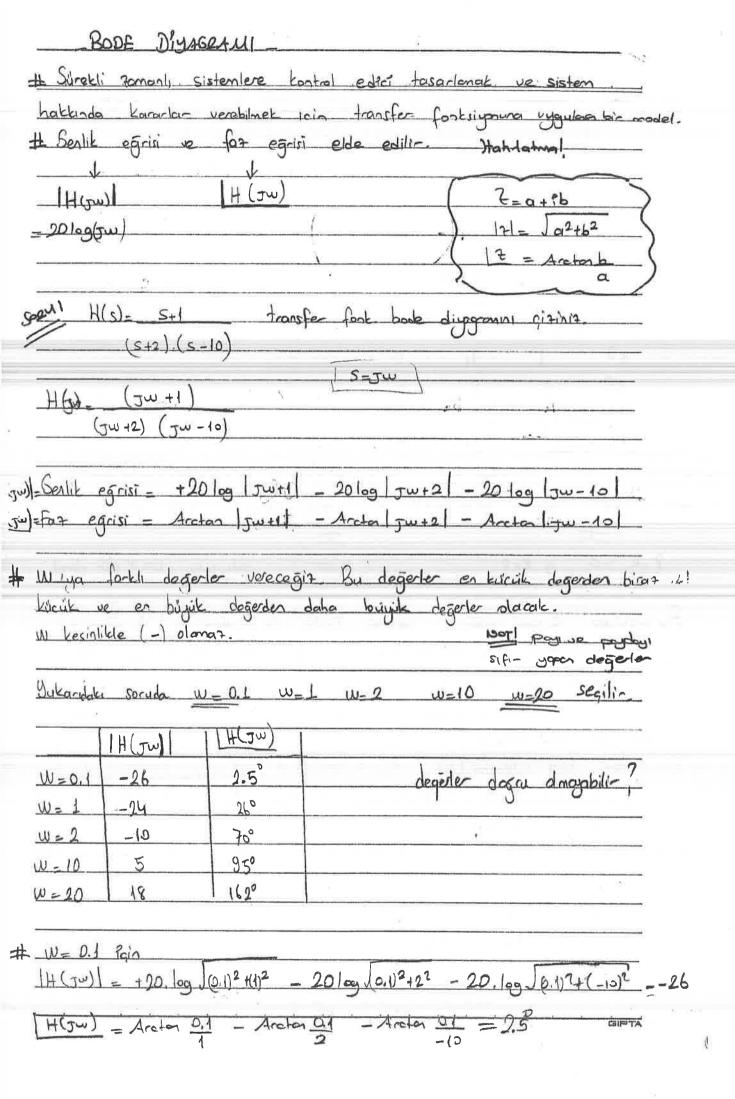
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83	a_ E	b_6 a	0 :
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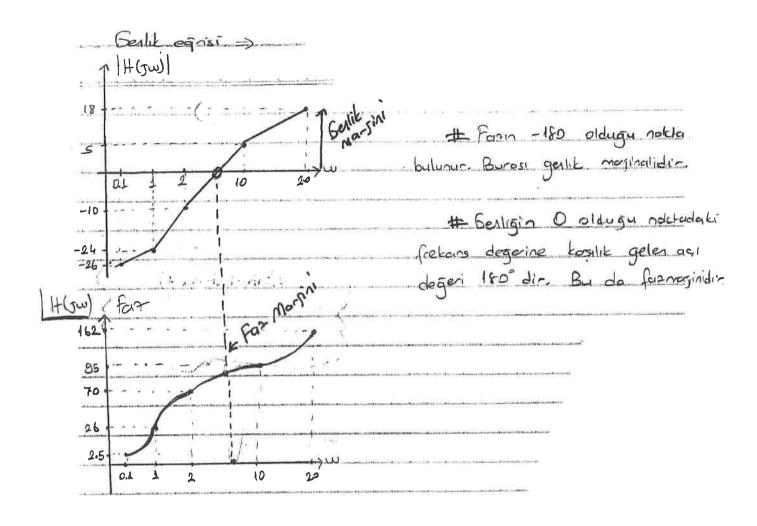
Routh tablosunda sifir olan terim yerine E gibi çok küçük bir sayı konur. Bundan sonraki hesaplarda E mun diğer terimler yanında küçük olduğu kabul edilerek hesap yapılın. Birinci sütunda iki kar isaret değişimi vardır. O halde sağ yarım düzlende iki kök vardır ve sisten kararsızdır.

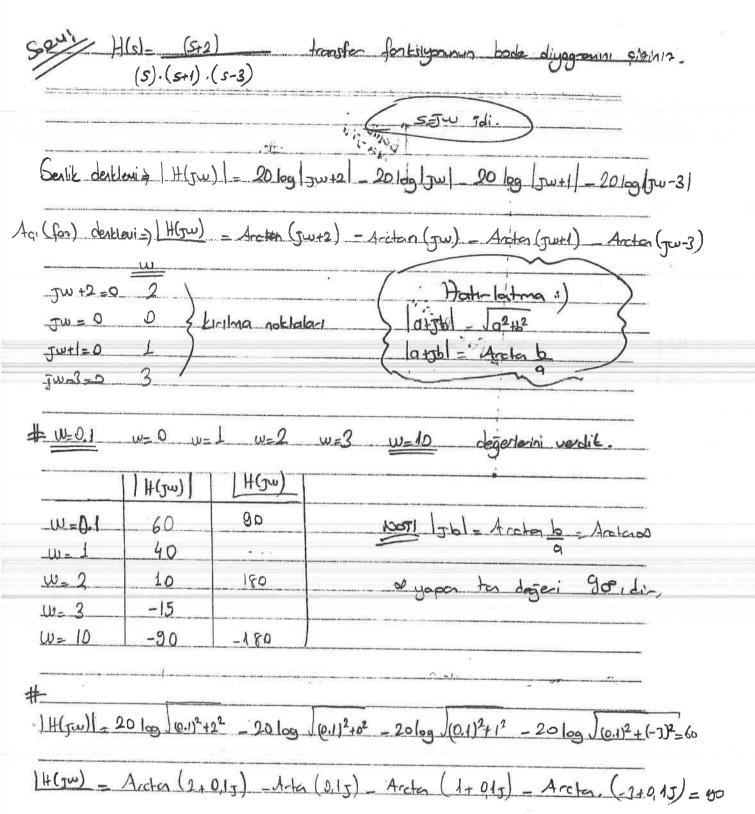


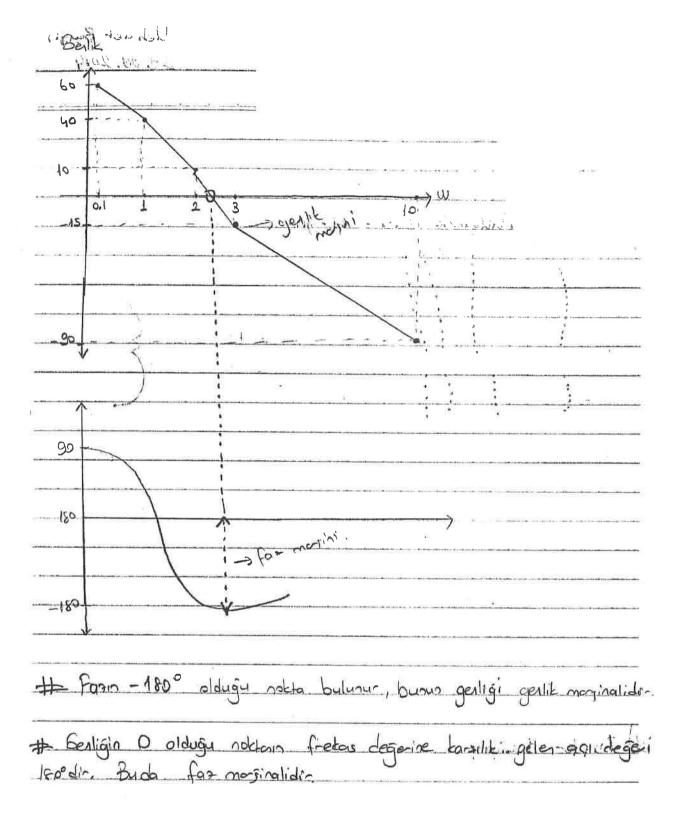


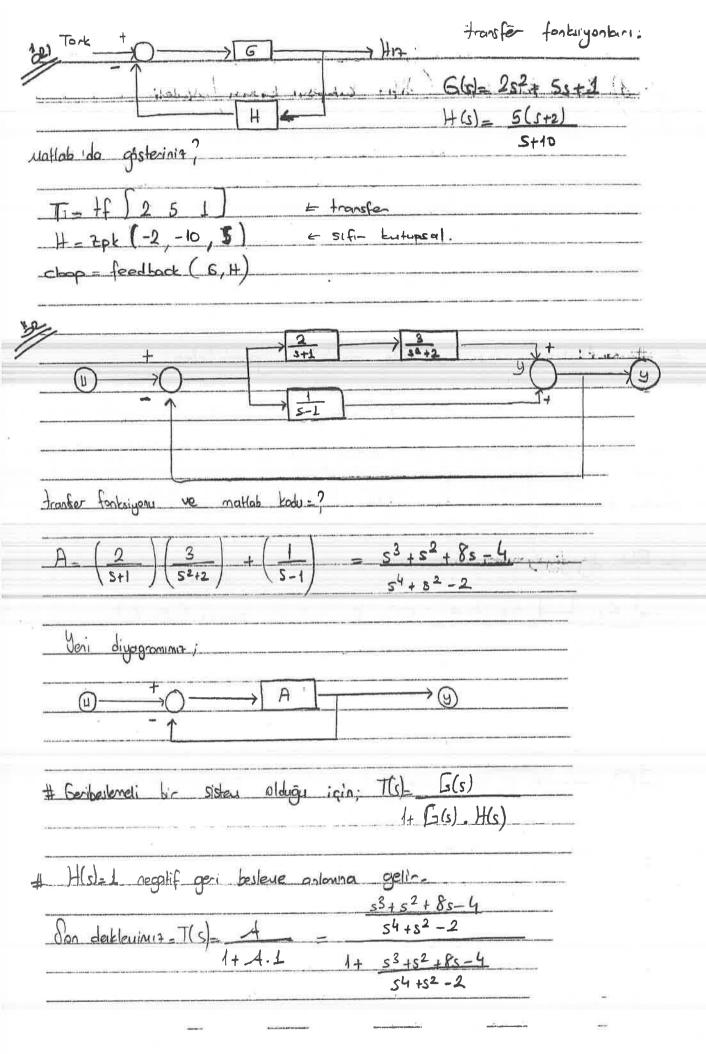


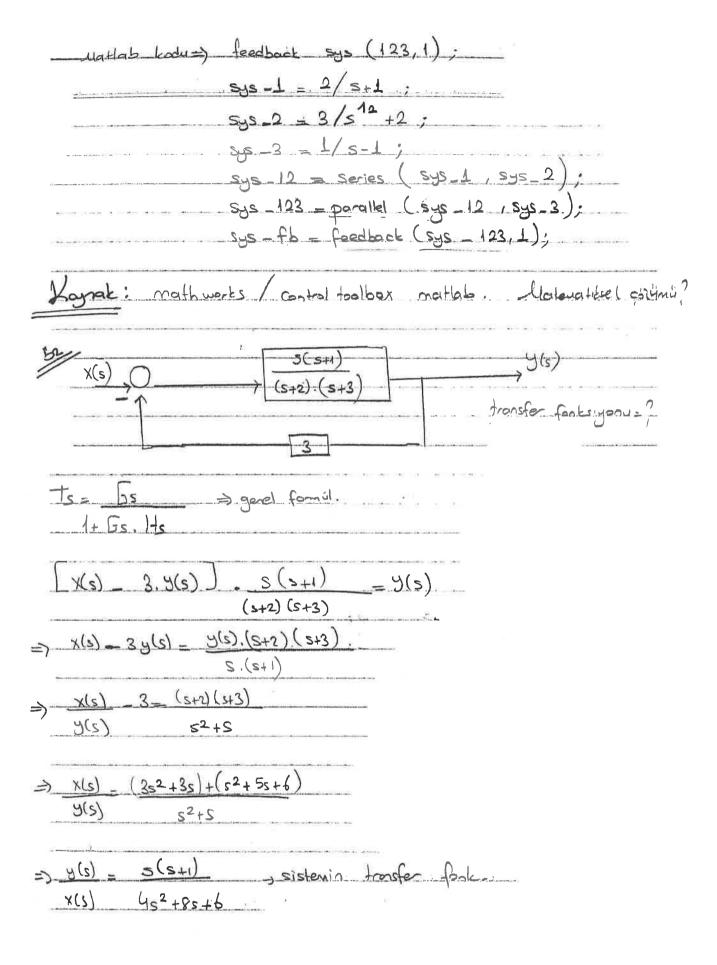


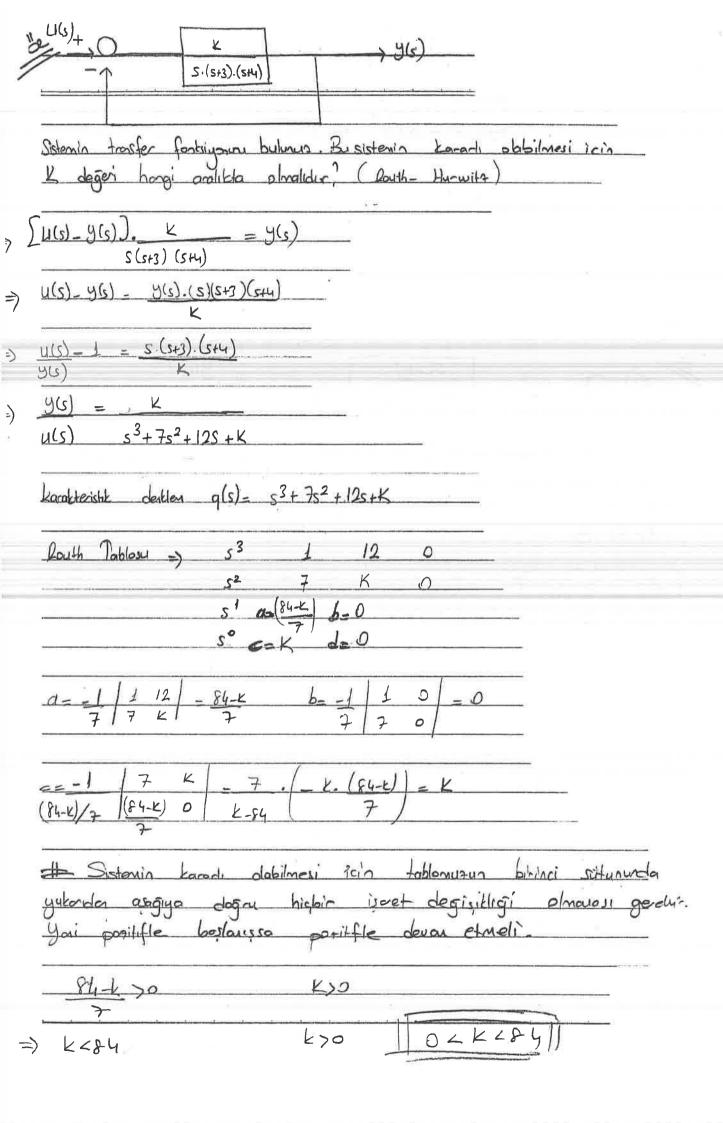




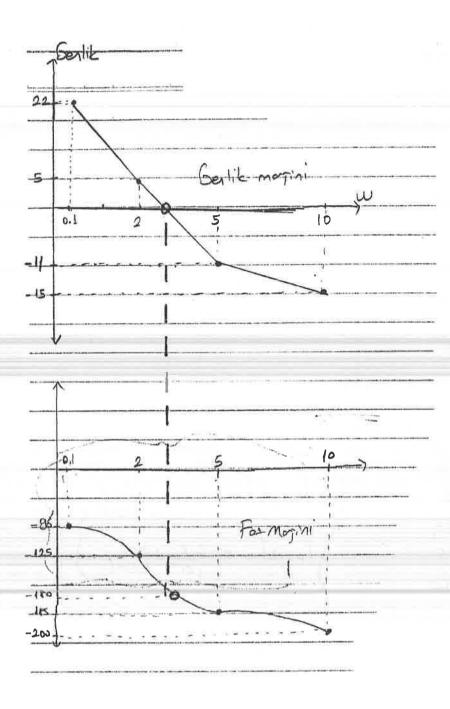




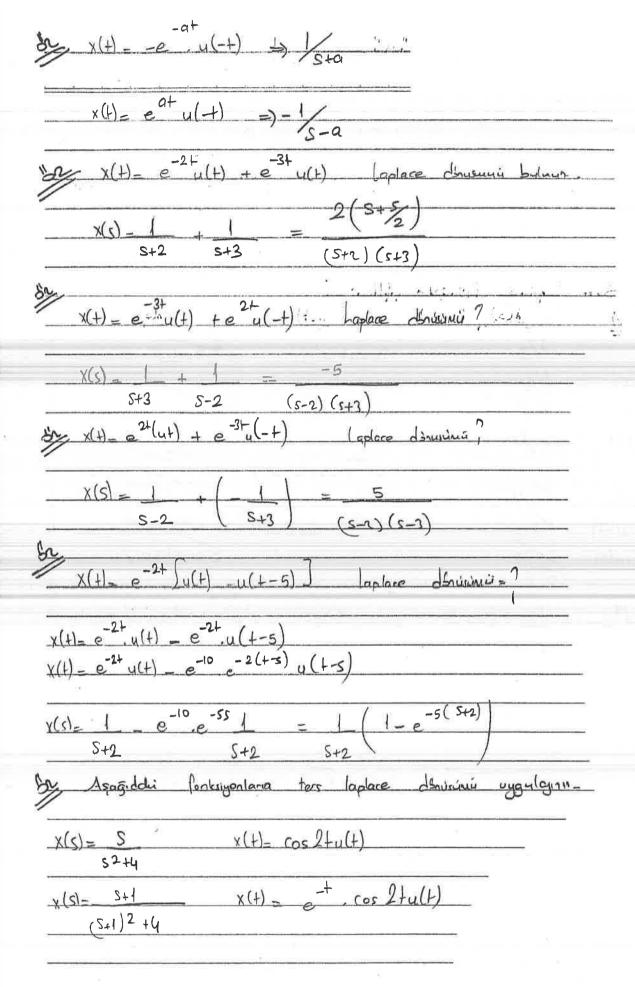




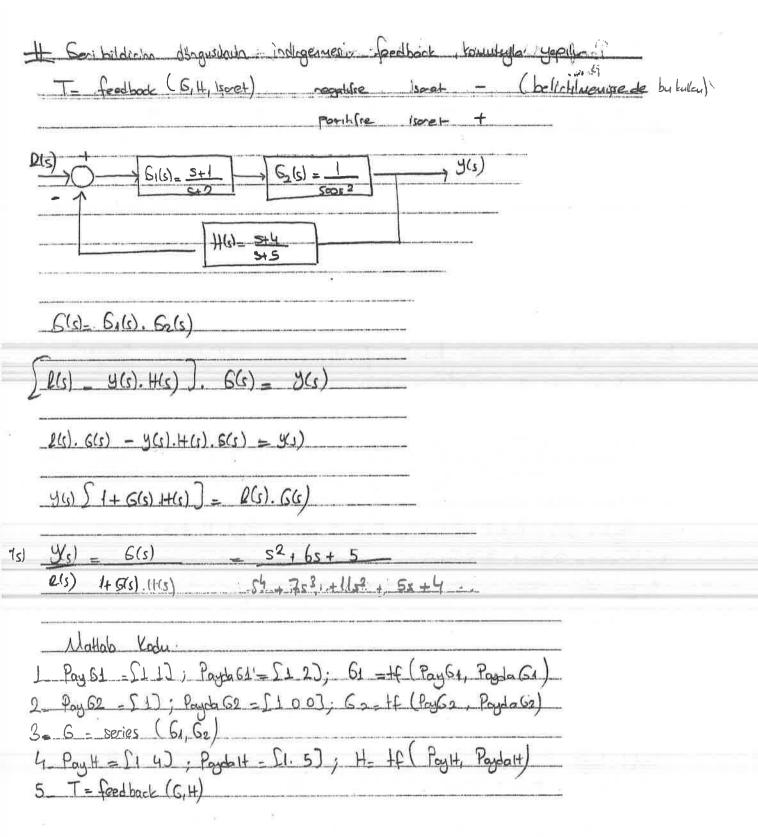
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2 - Pay2 = S1);	; Payla 1 = [1 2 Payla 2 = [1 1];			jda1);
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3 Sislar = S		3		alalu.
manual manual de la companya S	Islan - Populel	Saland, Sist	<u>~2)</u>	



f(t) = 5u(t) + 3e - 2t (nin Laptace Dissipanii =?

L $\int 5u(t) = 5 \cdot L \int u(t) = 5$ L $\int 3 \cdot e^{-2t} = 3 \cdot L \cdot \int e^{-2t} = 3$ Show f(s) = 5 + 3 = 8s + 10S $\int 5 + 2 = 8(s + 2)$

