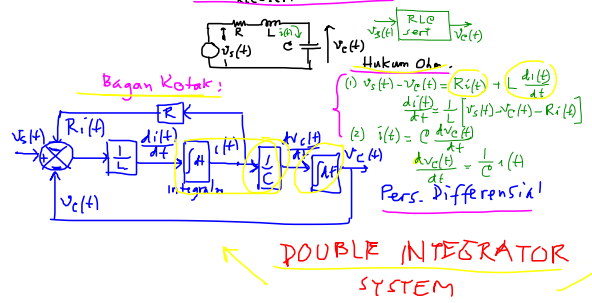


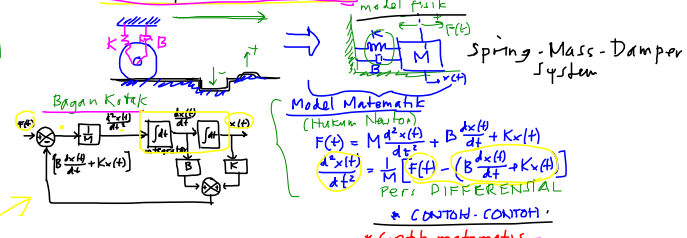
* Contoh ELEKTRIK
Rangkaian Pemuatan Kapasitor RLC seri



PEKAN DEPAN 19/11/14, 08.00 MIDTEST (40%)
OPEN BOOK, NO LAPTOP

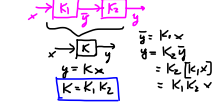
* Contoh MEKANIK

Sistem Suspensi Kendaraan Bermotor

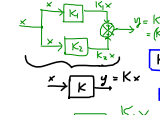


ALJABAR BAGAN KOTAK

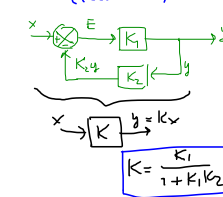
* Hubungan Serial (cascade)



* Hubungan Paralel

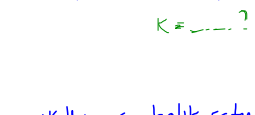


* Hubungan umpan-balik (feed back)

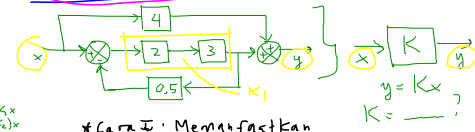
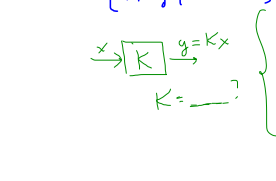


Bagaimana kalau...

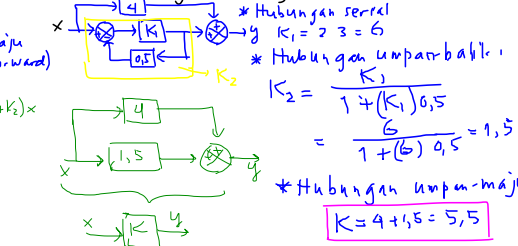
* Umpan balik positif



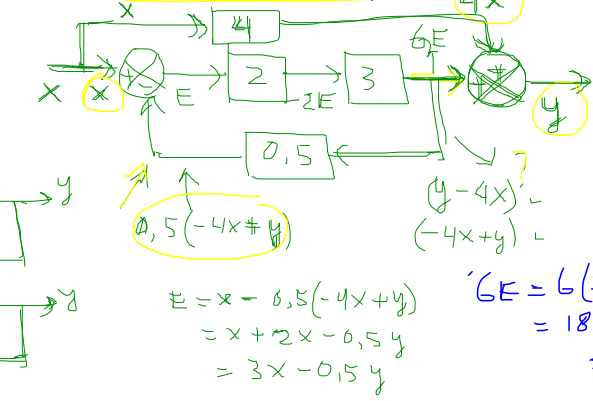
* Umpan balik satuan (unity feedback)



* Cara I : Memanfaatkan Hubungan-hubungan



* Cara II : Memanfaatkan percabangan dan pertemuan isyarat



$$6E = 6(3x - 0,5y)$$

$$= 18x - 3y = y - 4x$$

$$22x = 4y$$

$$y = \frac{22}{4} x = 5,5 x$$

$$y = K x$$

$$K = 5,5$$