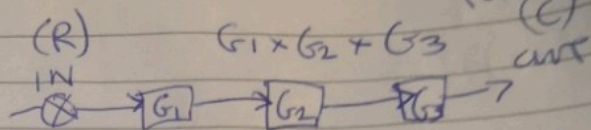


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Gareth
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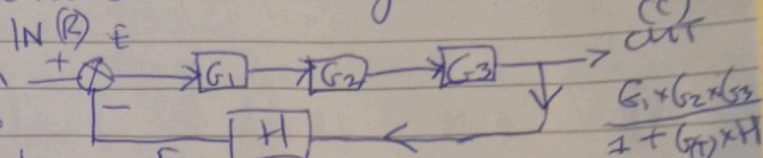
Q 2

(a) open loop System



Has no feedback loop so therefore cannot correct for any disturbances in the system. ie tracker

closed loop system
Has the ability to alter the output by used of a feedback loop, in which the error signal E can make adjustment for any disturbance



(b) Proportional Control $\text{Output } C_o = K_p E(t)$

This is a response in proportion to the difference between what is set as the desired process variable known as the set point and the current value of the variable. These system controller strategies can exhibit offset error.

