



$$\underbrace{k(t)}_{7-8} = \underbrace{K_p e(t)}_{7-8} + \dots$$

$K_p - 8$ bits

$e(t) - 8$ bits

$$(K_p e(t)) \gg 9$$

16 bit fixed pt.



I has 11 bits

K_I must be a fraction!

$k(t)$ has 8 bits

