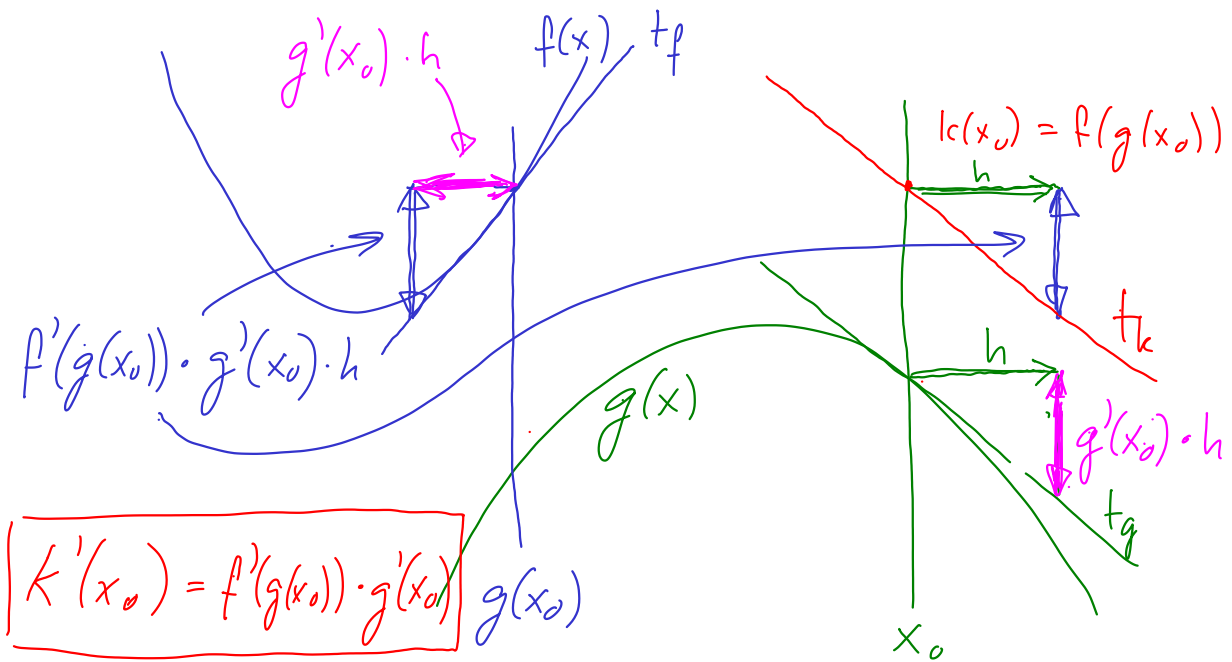


A 412



A 414

a)  $f(x) = e^{(x^2)}$        $f(x) = g(h(x))$   
 $g(x) = e^x$        $h(x) = x^2$   
 $g'(x) = e^x$        $h'(x) = 2x$

$$(g(h(x)))' = g'(h(x)) \cdot h'(x)$$
$$e^{x^2} \cdot 2x = f'(x)$$

b)  $f(x) = (e^x)^2$