$$F(x) = \frac{(x-1)(x-2)}{(x-1)(x-2)^2} = \frac{x-3}{(x-2)^2}$$

$$f(1) = \frac{1-3}{(1-2)^3} = \frac{2}{1} \frac{2-2}{(2-2)^2}$$

$$f(2) = \frac{2-3}{(2-2)^2} = \frac{1}{0}$$

$$(1-2)(1-2) = 1-2-2+H=1$$

$$f(3) = \lim_{h \to 0} \frac{f(3+h)-f(3)}{h} = \frac{1}{1}$$

$$F(3) = \frac{1}{2}(3)x^2 + 1 = 2$$

$$F(3) = \frac{3^2+3-12}{1}$$

$$F(3$$

