$$\frac{E \times 8}{x^{2}} : \lim_{x \to 2} \frac{x^{2} - 3x + 2}{x^{2} - x - 2} = \frac{4 - 6 + 2}{4 - 2 - 2} = \frac{0}{0} = ?$$

Num: $\frac{x^{2} - 3x + 2}{x^{2} - x - 2} = (x - 2)(ax + b)$

$$= ax^{2} + bx - 2ax - 2b$$

$$= ax^{2} + (b - 2a)x - 2b$$

$$= ax^{2} + (b - 2a)x - 2b$$

Danc $a = 1$; $-2b = L = b = -1$

$$b - 2a = -1 - 2 = -3$$
Alors $x^{2} - 3x + 2 = (x - 2)(x - 1)$

$$\sqrt{exilier} : (x - 2)(x - 1) = x^{2} - x - 2x + 2 = x^{2} - 3x + 2$$
Dén: $x^{2} - x - 2 = (x - 2)(ax + b) = x^{2}$

Dén:
$$x^2 - x - \lambda = (x-1)(ax+b) =$$

$$= ax^2 + bx - 2ax - 2b =$$

$$= ax^2 + (b-2a)x - 2b$$
Donc $a = 1$; $-2b = -2$ -> $b = 1$
Alors: $x^2 - x - 2 = (x-2)(x+1)$

XL2

 $\frac{\chi^{2}-3\chi+2}{\chi^{2}-\chi-2} = \lim_{\chi \to 2} \frac{(\chi-2)(\chi-1)}{(\chi/2)(\chi+1)} = \frac{2-1}{2+1} = \frac{1}{3}$