$$2.0 \quad \lim_{x \to 1} \frac{x^{100}}{x^{50} - 2x + 1} = \frac{1 - \frac{2}{x^{95}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{95}} + \frac{1}{1}} = \frac{0}{0}$$

Boenoubzyeurce njabuneur Monumana:

$$\frac{l_{1}m}{x^{59}-2x+1} = \frac{100x^{99}-2}{50x^{49}-2} = \frac{100\cdot 1^{95}-2}{50\cdot 1^{45}-2} = \frac{98}{48} = \frac{49}{24}$$