2

$$\lim_{x\to 0} \frac{x^2-1}{2x^2-x-1}$$

$$(x^2-1)_{x=0} = 0^2-1 = 0-1 = -1$$

$$(2x^2-x-1)_{x=0} = 2\cdot 0^2-0-1 = 0-1 = -1$$

$$\left(\frac{x^2-1}{2x^2-x-1}\right)_{x=0} = \frac{(x^2-1)_{x=0}}{(2x^2-x-1)_{x=0}} = \frac{(-1)}{(-1)} = 1$$

$$\lim_{x\to 0} \frac{x^2-1}{2x^2-x-1} = \left(\frac{x^2-1}{2x^2-x-1}\right)_{x=0} = 1$$

$$\boxed{\lim_{x\to 0} \frac{x^2-1}{2x^2-x-1} = 1}$$