Ejercicio:

$$f(\theta) = \left(\frac{sin(\theta)}{1+cos(\theta)}\right)^2$$

$$f\,'(\theta) = \frac{d}{d\theta}\left(\left(\frac{sin(\theta)^2}{(1+cos(\theta))^2}\right)\right)^2$$

$$f\,'(\theta) = \frac{2sin\,(\theta)\,cos\,(\theta)\;\times(1+cos(\theta))^2 - sin(\theta)^2 \times 2(1+cos(\theta)\;\times)(-sin(\theta))}{((1+cos(\theta))^2)^2}$$

$$f\,'(\theta) = \frac{2sin\,(\theta)}{(1+cos(\theta))^2}$$

https://docs.google.com/document/d/15l_PyCpIGgOJfi_YXWF_ZhmywwTG_bEWwndSSPyiG2U/edit?usp=sharing