







 $f(x) = \frac{|\sin(x)|}{|\sin(x)|}$ 205(105(x))·-5ir

Forward-Mode AD: dy  $\int = \sin(x^2 + y^2) + 3x$ x = 3 y = 2 3x = 3 3xb= y·y b=4 d5 d2=4. dx=0 C=2+6 c=13 dc/25-6+0-6 d= sin c d= 0 da/2= 1.6=6 e = 3x e = 9 de (dx = 3)f=d+e f=g H/D =346=9

$$f = \sin(x + y) + 3x$$

$$x = 3 \quad y = 2 \quad \text{cl} x = 0 \quad \text{cl} y = 1$$

$$a = x \cdot x \quad a = 9 \quad \text{cl} y = 6 \cdot 6 = 0$$

$$b = y \cdot y \quad b = 41 \quad \text{cl} b \mid \text{cl} y = 4 \mid \text{c$$

$$\int = \sin(x^2 + y^2) + 3x$$