

## 演習02

$$f(x) = x^2 - 5$$

$$x_0 = 2$$

x	f(x)	f'(x)	$\Delta x$
2.0000000000	-1.0000000000	4.0000000000	0.2500000000
2.2500000000	0.0625000000	4.5000000000	-0.0138888889
2.2361111111	0.0001929012	4.4722222222	-0.0000431332
2.2360679779	0.0000000019	4.4721359558	-0.0000000004
2.2360679775	0.0000000000	4.4721359550	-0.0000000000

$$\text{ans} = 2.23606797749979$$