

$x$	0	1	2	3
$f$	1	-2	5	0

The table above shows a function  $f$  defined on the domain  $x \in \{0, 1, 2, 3\}$ . The values are  $f(0) = 1$ ,  $f(1) = -2$ ,  $f(2) = 5$ , and  $f(3) = 0$ . The cell containing the value 5 at  $(2, f)$  is shaded with diagonal lines. Arrows point from the value 1 at  $x=0$  to the value -2 at  $x=1$ , and from the value 5 at  $x=2$  to the value 0 at  $x=3$ .