

$$(0, f(0)) = (0, 0)$$

$$(1, f(1)) = (1, \frac{1}{3})$$

$$(2, f(2)) = (2, \frac{2}{3})$$

$$(3, f(3)) = (3, 1)$$

$$(4, f(4)) = (4, 1\frac{1}{3})$$

$$(5, f(5)) = (5, 1\frac{2}{3})$$

$$(6, f(6)) = (6, 2)$$

$$(7, f(7)) = (7, 2\frac{1}{3})$$

$$(8, f(8)) = (8, 2\frac{2}{3})$$

$$(7, f(9)) = (9, 3)$$