

$$f(1) = 0. \mathbf{5} 2 4 2 3 \dots$$

$$f(2) = 0. 0 \mathbf{8} 3 6 2 \dots$$

$$f(3) = 0. 9 2 \mathbf{8} 4 1 \dots$$

\vdots

$$d = 0. a b c d e \dots$$

$$a \neq 5$$

$$b \neq 8$$

$$c \neq 8$$