$$F_{1} = 1, F_{2} = 1, f_{x+1} = f_{x} + f_{x-1}$$

$$F_{3} = F_{2} + G_{1} = 1 + 1 = 2$$

$$F_{4} = F_{3} + f_{2} = 2 + 1 = 3$$

$$F_{5} = F_{4} + f_{3} = 3 + 2 = 5, \dots$$

$$\vdots$$

$$Olet b = S^{1} \cdot Q = S^{2} \cdot Q, i = 2$$

$$b_{7} = \begin{cases} 0, & 0 \le x \le i - 1 = 1 \\ Q_{7-1}, & x > i = 2 \end{cases}$$

$$b_{7} = \begin{cases} 0, & 0 \le x \le i - 1 = 1 \\ Q_{7-1}, & x > i = 2 \end{cases}$$

$$b_{7} = \begin{cases} 0, & 0 \le x \le i \\ 2, & 2 \le x \le 5 \end{cases}$$

$$2, & 2 \le x \le 5$$

$$4.2^{7} + 5, x > 6$$

$$C = \frac{5^{2}}{2}, \quad \alpha \quad (i=2)$$

$$C_{Y} = \begin{cases} 2, & 0 \le Y \le 1 \\ \frac{1}{4} \cdot 2^{Y} + 5, & Y > 2 \end{cases}$$

$$b) \quad Xet \quad d = \Delta \alpha$$

$$\therefore \quad d_{Y} = \alpha_{Y+1} - \alpha_{Y}, \quad Y > 0$$

$$d_{0} = \alpha_{1} - \alpha_{0} = 0$$

$$d_{1} = \alpha_{2} - \alpha_{1} = 0$$

$$d_{1} = \alpha_{2} - \alpha_{1} = 0$$

$$d_{2} = \alpha_{3} - \alpha_{2} = 0$$

$$d_{3} = \alpha_{4} - \alpha_{3} = \frac{7^{4} + 5 - 2}{2^{4} + 5 - 2} = \frac{7^{4} + 3}{16}$$

$$= 2^{5} - 2^{4} = 2^{9} (2^{1} - 1) = -2^{5}$$

$$= 2^{5} - 2^{4} = 2^{9} (2^{1} - 1) = -2^{5}$$

$$= 2^{5} - 2^{4} = 2^{9} (2^{1} - 1) = -2^{5}$$

$$= 2^{5} - 2^{4} = 2^{9} (2^{1} + 1)$$

$$0 \le Y \le 2$$

$$49$$

$$76 = 7$$

$$776 = 7$$

$$776 = 7$$

$$776 = 7$$

$$776 = 7$$

$$776 = 7$$

$$776 = 7$$

$$776 = 7$$

$$\begin{array}{l}
\text{Zet} & e = \nabla a \\
e_{r} & = \begin{cases} 2, & r = 0 \\
0, & 1 \leq r \leq 3 \end{cases} \\
\frac{49}{76}, & r = 4 \\
-2^{r}, & r > 4
\end{array}$$