

$$n^2 + bn + 1 = 1 \Rightarrow n^2 + bn = 0 \Rightarrow n(n+b) = 0$$

$$n = 0 \text{ یا } n = -b$$

$$1 + b + 1 = 1 \Rightarrow b = -1$$

$$dn = 9^2 - 9 + 1 = 73$$

$$\{1, 3\}, \{4, 5, 6, 7, 8, 9, 10, 11, 12\}, \{13, 14\}, \{15, 16\}, \{17, 18, 19, 20\}$$

$$\frac{121 + 144}{2} = 132.5$$

$$d_0 + d_1 + \dots + d_9 = (d_0 + d_1 + d_2 + d_3) + (d_4 + d_5 + d_6) + (d_7 + d_8 + d_9)$$

$$= (1^0 + 1^1 + 1^2 + 1^3) + (1^4 + 1^5 + 1^6) + (1^7 + 1^8 + 1^9)$$

$$25 + 3d = 19 \Rightarrow d = -2$$

$$d_1 + d_2 + d_3 + \dots + d_9 = 10d + \left[\frac{1}{1}\right] + \left[\frac{0}{1}\right] + \left[\frac{1}{1}\right] + \left[\frac{1}{1}\right] = 10d + 3 = -20 + 18 = -2$$

$$d_0 = 1, d_1 = 1, d_2 = 1, d_3 = 1, d_4 = 1, d_5 = 1, d_6 = 1, d_7 = 1, d_8 = 1, d_9 = 1$$

$$d_0 + d_1 + d_2 + d_3 + d_4 + d_5 + d_6 + d_7 + d_8 + d_9 = 10$$

$$d_0 + d_1 + d_2 + d_3 + d_4 + d_5 + d_6 + d_7 + d_8 + d_9 = 10$$

$$d_0 + d_1 + d_2 + d_3 + d_4 + d_5 + d_6 + d_7 + d_8 + d_9 = 10$$

$$d_0 = b_0, d_1 = b_1, d_2 = b_2, d_3 = b_3, d_4 = b_4, d_5 = b_5, d_6 = b_6, d_7 = b_7, d_8 = b_8, d_9 = b_9$$

$$d_0 + d_1 + d_2 + d_3 + d_4 + d_5 + d_6 + d_7 + d_8 + d_9 = 10$$

$$d_0 + d_1 + d_2 + d_3 + d_4 + d_5 + d_6 + d_7 + d_8 + d_9 = 10$$

$$d_0 + d_1 + d_2 + d_3 + d_4 + d_5 + d_6 + d_7 + d_8 + d_9 = 10$$

$d \rightarrow$ در نسبت

رابطه‌ی حساب $d_1 \rightarrow d$

$$\frac{d_1}{d} = 1$$

$$\frac{d_1 + 3d}{d} = \frac{1.5d + 3d}{d} = \frac{4.5d}{d} = 4.5$$

$$\frac{-2d + 2}{d} = \frac{d}{d} = 1$$

$$4d_1^2 = 8d_1^2d + 4d_1^2d \rightarrow 4(d+d)^2 = 8(d+d)d + 4(d+d)d$$

$$4(d^2 + d^2 + 2dd) = 8d(d+d) + 4d(d+d)$$

$$4d^2 + 4d^2 + 8dd = 8d^2 + 8dd + 4d^2 + 4dd$$

$$8d^2 + 8dd - 8d^2 - 8dd - 4d^2 - 4dd = 0$$

$$-4d^2 - 4dd = 0 \rightarrow -4d(d+d) = 0 \rightarrow d^2 + dd - 12d^2 = 0$$

$$(d-3d)(d+d) = 0$$

$$d = 3d \text{ یا } d = -d$$

d_1, d_2, d_3

در d و b و c سه جبری هستند

و متغیر رابطه‌ی حساب

سه جبری هستند که رابطه‌ی حساب

$$r = \frac{c}{d} = \frac{c}{d} \rightarrow \frac{c}{d} = \frac{c}{d} \rightarrow \frac{c}{d} = \frac{c}{d}$$

$$r = \frac{c}{d} = \frac{c}{d} \rightarrow \frac{c}{d} = \frac{c}{d} \rightarrow \frac{c}{d} = \frac{c}{d}$$

$$2b = d + c \rightarrow \left(\frac{d}{r}\right)^2 = \frac{bc}{r} = \frac{d^2}{r} \rightarrow d^2 = bc = \frac{d+c}{r} \times c = \frac{dc+cr}{r}$$

$$b = \frac{d+c}{r} \rightarrow d^2 = \frac{dc+cr}{r} \rightarrow rd^2 = dc+cr$$

$$rd^2 - dc - cr = 0$$

$$rd^2 - cd - cr = 0 \rightarrow d^2 - cd - cr = 0$$

$$rd^2 - cd - cr = 0 \rightarrow d^2 - cd - cr = 0 \rightarrow (d-cr)(d+c) = 0$$

این یک نسبت

سه جبری هستند

$$b^2 = dc \rightarrow 2(2d) = 2b + c$$

$$4d = 2b + c$$

$$d = \frac{2b+c}{2}$$

$$\frac{d_1}{d_2} = r = \frac{c}{b}$$

سه جبری هستند که رابطه‌ی حساب

$$r = \frac{c}{b} = \frac{c}{b} \rightarrow \frac{c}{b} = \frac{c}{b}$$

$$b^2 = \frac{2b+c}{2} \times c \rightarrow \frac{2b^2 + bc}{2} = \frac{2b^2 + bc + c^2}{2}$$

$$2b^2 - 2b^2 - bc - c^2 = 0$$

$$b^2 - 2bc - c^2 = 0$$

$$(b-2c)(b+c) = 0 \rightarrow b = 2c \text{ یا } b = -c$$

$$\frac{d_1}{(d_1)^2} + \frac{d_2}{(d_1)^2} = 2 \rightarrow \frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{d_2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = 1$$

$$\frac{d_1}{(d_1)^2} = \frac{d_2}{(d_1)^2} = \frac{r}{d_1}$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$\frac{r}{d_1} + \frac{r}{d_1} = 2$$

$$d_1^2 = d_2 \quad d_1 = 2d_2$$

$$\frac{1}{r} - d_1 = 1$$

$$r^2 - r = \frac{d_2}{d_1} = \frac{r}{1} = r^2 = 2d_2 \Rightarrow r = 2$$

$$\Rightarrow d_1 = \frac{1}{2}$$

$$(d_1 r)^2 = d_1 r^2$$

$$\frac{d_1^2 r^2}{d_1^2} = \frac{d_1 r^2}{d_1^2} \rightarrow d_1 r^2 = 1 \rightarrow d_1 = 1$$

$$\frac{1}{r} - \frac{1}{r} = \frac{1}{r}$$