

$$v = 2d \Rightarrow d = 1, n^2 + bn + 1 = 1$$

$$1 + b + 1 = 1 \Rightarrow b = -1, n^2 - n + 1$$

$$\frac{d}{dn} = \frac{2n-1}{2} \Rightarrow d_9 = 9^2 - 9 + 1 = 73$$

(۲)

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

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

(۲)

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

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

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

$$d_1 + d_2 + d_3 + \dots + d_9 = 10d + \left[\frac{1}{1}\right] + \left[\frac{0}{1}\right] + \left[\frac{1}{1}\right] + \left[\frac{1}{1}\right] = 10d + 3 = 10(-2) + 3 = -17$$

(۲)

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

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

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

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

(۲)

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

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

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

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

(۲)

$d \rightarrow$ در نسبت

رابطه‌ی حساب $d_1 \rightarrow d$

$$\frac{d^2}{d} = 1$$

$$\frac{d_1 + 3d}{d} = \frac{1, 8d + 3d}{d} = \frac{4, 8d}{d}$$

$$= 4, 8$$

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

$$4d^2 = 8d^2d + 3d^2d \rightarrow 4(d+d)^2 = 8(d+d)d + 3(d+d)d$$

$$4(d^2 + d^2 + 2dd) = 8d(d+d) + 3d(d+d)$$

$$4d^2 + 4d^2 + 12dd = 8d^2 + 16dd + 3d^2 + 3dd$$

$$12dd - 9d^2 - 4d^2 - 12dd = 0$$

$$12dd - 9d^2 - 4d^2 - 12dd = 0 \rightarrow 12dd + dd - 4d^2 - 12dd = 0$$

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

$$d-3d = -2d$$

در d_1 d_2 d_3
نسبتی نسبت d و b و c
و مقادیر رابطه‌ی حساب

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

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

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

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

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

$$1, 1, 0$$

$$\begin{cases} Hb=c \\ A=-1b \end{cases} \rightarrow \begin{cases} Hb=c \\ A=-1b \end{cases} \rightarrow \begin{cases} Hb=c \\ A=-1b \end{cases}$$

$$r = -1 \rightarrow r = -1$$

این نسبت

نسبتی نسبت

$$b^2 = dc \quad r(bd) = rb + c$$

$$rd = rb + c$$

$$d = rb + c$$

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

نسبتی نسبت
نسبتی حساب

$$b^2 = \frac{rb+c}{r} \times c \rightarrow rb^2 = rbc + c^2$$

$$rb^2 - rbc - c^2 = 0$$

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

$$(b-rc)(b+c) = 0$$

$$b = rc \rightarrow \frac{c}{b} = \frac{c}{rc} = \frac{1}{r}$$

$$\frac{d}{(dr)^2} + \frac{dr}{(dr)^2} = r \quad \frac{d}{dr} = 1 \quad \frac{dr}{(dr)^2} = \frac{1}{dr}$$

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$$\frac{dr}{(dr)^2} = \frac{1}{dr} = \frac{r}{dr}$$

$$\frac{r}{dr} + \frac{r}{dr} = r \rightarrow \frac{r}{dr} = \frac{r}{dr}$$

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$$(d-2r)(d+r) = 0 \rightarrow d = 2r \rightarrow r = \frac{d}{2}$$

$$dr^2 = df \quad d\omega = 2v$$

$$\frac{1}{r} - d(1) = 1$$

$$(dr)^2 = dr^2$$

$$\frac{dr}{dr} = \frac{dr}{dr} \rightarrow dr = 1 \rightarrow dr = 1$$

$$r^2 - r = \frac{d\omega}{dr} = \frac{2v}{1} = r^2 = 2v \Rightarrow r = 2v$$

$$\Rightarrow d(1) = \frac{1}{r^2}$$

$$\frac{1}{r} - \frac{1}{r} = \frac{1}{r^2}$$