

Scanned with CamScanner

$$x^r = (c^r + 1)x + b = \dots$$

المحل

$$r = r_m + r$$

$$\begin{cases} r_c + r_s = \sum m + r \\ r_c r_s = (r_m)(r_n + r) = \sum m^r + \sum n \end{cases}$$

$$\begin{cases} r_c + r_s = c^r + 1 \\ r_c r_s = b \end{cases}$$

$\Leftarrow$ $Q = r_s \sum m^r$

$$\begin{aligned} a+1 &= l_0 \rightarrow \sum m + \{s\} \rightarrow \sum m = a \rightarrow m = r \\ b &= \sum m^r + \sum m = \sum (c^r) + \sum (r) = r_s \end{aligned}$$

$$|b-a| = |r_s - c^r| = r_1$$

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$$r_1 = r_{n-1} \quad r_r = r_{n+1}$$

$$x^r = (a+1)x + a = \dots \quad (A)$$

$$\begin{cases} r_1 + r_r = \sum n \\ r_1 r_r = \sum n^r - 1 \end{cases}$$

$$r_1 + r_r = a+1$$

$$r_1 r_r = a$$

$$a+1 = \sum n \rightarrow a = \sum n - 1$$

$$a = r_1 r_r = \sum n^r - 1$$

$$\sum n - 1 = \sum n^r - 1$$

$$a = \sum n - 1 = r$$

$$r_1 r_r = \sum n = 0$$

$\Leftarrow$ الحل

$$r_1 r_r (n-1) = \dots \quad n = \dots \quad n = 1^r$$

$$\begin{cases} \alpha + \beta = -1 \\ \alpha \beta = -1 - m^r \end{cases}$$

(4)

$$\alpha^r + \beta^r = (\alpha + \beta)^r - r\alpha\beta$$

$$\begin{aligned} (-1)^r - r(-1 - m^r) &= 1 + r(1 + m^r) = r^r + r_m^r \\ \alpha^r + \beta^r &= r^r \end{aligned}$$

$\sum m = 0$ $\Leftarrow$ $\sum m^r = 0$

$$a(n+1)^r + 1 = y$$

(1)

$$y = a n^r + r(a n + a + 1)$$

$$s^r - r p = \sum -r \left(\frac{a+1}{r} \right) = 0$$

$$\begin{aligned} r a + r &= a \rightarrow a = -\frac{r}{c} \\ \text{المحل} &\rightarrow -\frac{r}{c} + 1 = \frac{1}{c} \end{aligned}$$

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