Class 05

Monday, September 20, 2021 9:44 PM

chchokudai

int p[N+1][8]

chokudai

p[0] p[1] p[2] p[3] p[4] p[5] p[6] p[7] p[8] p[9]

c h c h o k u d a i

T = chokudai (0 1 2 3 4 5 6 7 8)

S = chchokuda (0 1 2 3 4 5 6 7 8) i (10)

chokuda (3) i

p[idx][8] = 3

$\sum_{i=0}^{idx-1} p[i][7]$

|T| = 8 $|S| \le 10^5$

T = c h o k u d a i

S = c h c h o k u d a i

5! = 120

5! × p = 120 × p

= 12 × 10¹ × p

5! × 6

= 12p × 10¹

= 12 × 6 × 10¹

= 2² × 3 × 2 × 3 × 10¹

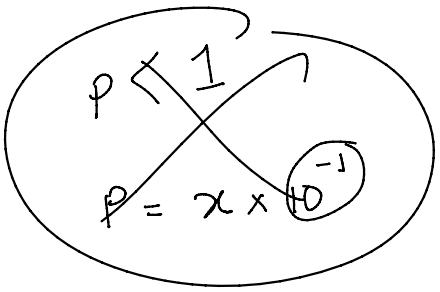
= 2³ × 3² × 10¹

= 2³ × 3² × 7 × 10¹

= 2⁶ × 3² × 7 × 10¹

= 2⁶ × 3⁴ × 7 × 10¹

= 2⁷ × 3⁴ × 5 × 7 × 10¹



p ≥ 1

10⁰

$$= 2^7 \times 3^4 \times 5 \times 7 \times 10$$

$$= 2^6 \times 3^4 \times 7 \times \boxed{10^2}$$