

①

$$\left. \begin{array}{l} n=1 \\ n=2 \\ n=3 \\ n=4 \\ n=5 \\ n=6 \end{array} \right\} \begin{array}{l} \frac{1}{\omega} \\ \frac{1}{\omega} \\ \frac{1}{\omega} \\ \frac{1}{\omega} \\ \frac{1}{\omega} \\ \frac{1}{\omega} \end{array}$$

$$44 - \left[\frac{13}{\Sigma} \right]_{\mu} = 74 \quad \text{②}$$

$$n^2 - 1 = (n-1)(n+1) = 0$$

$$(n-1)(n+1) = 0$$

$$\frac{n-1}{n+1} = 0$$

$$n-1 = 0$$

$$n = 1$$

$$w = 1$$

$$n \Gamma_{+} n + \Gamma_{+} n + \Gamma_{+} n = 0, \quad \textcircled{K}$$

$$, n \Gamma_{-} n + \Gamma_{-} n + \Gamma_{-} n = 0, \quad =$$

$(n-7)(n-9) = 0$
 $n = 7 \quad n = 9$

②

⑤

④

$n=1 \Rightarrow 1 - 4 + 7 = -2$

$n=2 \Rightarrow 1 - 8 + 15 = 6$

$n=3 \Rightarrow 1 - 9 + 27 = 19$

$n=4 \Rightarrow 1 - 16 + 64 = 49$

$n=5 \Rightarrow 1 - 25 + 125 = 101$

$n=6 \Rightarrow 1 - 36 + 216 = 181$

$n=7 \Rightarrow 1 - 49 + 343 = 295$

$n=8 \Rightarrow 1 - 64 + 512 = 449$

$n=9 \Rightarrow 1 - 81 + 729 = 649$

$n=10 \Rightarrow 1 - 100 + 1000 = 901$

$n=11 \Rightarrow 1 - 121 + 1331 = 1211$

$n=12 \Rightarrow 1 - 144 + 1728 = 1585$

$n=13 \Rightarrow 1 - 169 + 2197 = 2029$

$n=14 \Rightarrow 1 - 196 + 2744 = 2549$

$n=15 \Rightarrow 1 - 225 + 3375 = 3151$

$n=16 \Rightarrow 1 - 256 + 4096 = 3841$

$n=17 \Rightarrow 1 - 289 + 4913 = 4625$

$n=18 \Rightarrow 1 - 324 + 5832 = 5509$

$n=19 \Rightarrow 1 - 361 + 6859 = 6499$

$n=20 \Rightarrow 1 - 400 + 8000 = 7601$

$n=21 \Rightarrow 1 - 441 + 9261 = 8821$

$n=22 \Rightarrow 1 - 484 + 10648 = 10165$

$n=23 \Rightarrow 1 - 529 + 12167 = 11639$

$n=24 \Rightarrow 1 - 576 + 13824 = 13249$

$n=25 \Rightarrow 1 - 625 + 15625 = 15001$

$n=26 \Rightarrow 1 - 676 + 17566 = 16891$

$n=27 \Rightarrow 1 - 729 + 19667 = 18939$

$n=28 \Rightarrow 1 - 784 + 21928 = 21145$

$n=29 \Rightarrow 1 - 841 + 24369 = 23529$

$n=30 \Rightarrow 1 - 900 + 27000 = 26101$

$n=31 \Rightarrow 1 - 961 + 29791 = 28831$

$n=32 \Rightarrow 1 - 1024 + 32768 = 31745$

$n=33 \Rightarrow 1 - 1089 + 35937 = 34849$

$n=34 \Rightarrow 1 - 1156 + 39304 = 38149$

$n=35 \Rightarrow 1 - 1225 + 42875 = 41651$

$n=36 \Rightarrow 1 - 1296 + 46656 = 45361$

$n=37 \Rightarrow 1 - 1369 + 50659 = 49291$

$n=38 \Rightarrow 1 - 1444 + 54896 = 53453$

$n=39 \Rightarrow 1 - 1521 + 59367 = 57847$

$n=40 \Rightarrow 1 - 1600 + 64080 = 62481$

$n=41 \Rightarrow 1 - 1681 + 68939 = 67259$

$n=42 \Rightarrow 1 - 1764 + 73956 = 72193$

$n=43 \Rightarrow 1 - 1849 + 79135 = 77287$

$n=44 \Rightarrow 1 - 1936 + 84480 = 82545$

$n=45 \Rightarrow 1 - 2025 + 90000 = 87976$

$n=46 \Rightarrow 1 - 2116 + 95696 = 93581$

$n=47 \Rightarrow 1 - 2209 + 101569 = 99361$

$n=48 \Rightarrow 1 - 2304 + 107620 = 105317$

$n=49 \Rightarrow 1 - 2401 + 113849 = 111449$

$n=50 \Rightarrow 1 - 2500 + 120250 = 117751$

$n=51 \Rightarrow 1 - 2601 + 126825 = 124225$

$n=52 \Rightarrow 1 - 2704 + 133576 = 130873$

$n=53 \Rightarrow 1 - 2809 + 140505 = 137697$

$n=54 \Rightarrow 1 - 2916 + 147616 = 144701$

$n=55 \Rightarrow 1 - 3025 + 154915 = 151891$

$n=56 \Rightarrow 1 - 3136 + 162396 = 159261$

$n=57 \Rightarrow 1 - 3249 + 169963 = 166815$

$n=58 \Rightarrow 1 - 3364 + 177712 = 174449$

$n=59 \Rightarrow 1 - 3481 + 185649 = 182169$

$n=60 \Rightarrow 1 - 3600 + 193780 = 190181$

$n=61 \Rightarrow 1 - 3721 + 201999 = 198279$

$n=62 \Rightarrow 1 - 3844 + 210312 = 206469$

$n=63 \Rightarrow 1 - 3969 + 218725 = 214757$

$n=64 \Rightarrow 1 - 4096 + 227244 = 223149$

$n=65 \Rightarrow 1 - 4225 + 235865 = 231641$

$n=66 \Rightarrow 1 - 4356 + 244584 = 240229$

$n=67 \Rightarrow 1 - 4489 + 253407 = 248919$

$n=68 \Rightarrow 1 - 4624 + 262330 = 257607$

$n=69 \Rightarrow 1 - 4761 + 271359 = 266399$

$n=70 \Rightarrow 1 - 4900 + 280490 = 275291$

$n=71 \Rightarrow 1 - 5041 + 289729 = 284289$

$n=72 \Rightarrow 1 - 5184 + 299072 = 293389$

$n=73 \Rightarrow 1 - 5329 + 308525 = 302497$

$n=74 \Rightarrow 1 - 5476 + 318084 = 311609$

$n=75 \Rightarrow 1 - 5625 + 327755 = 320731$

$n=76 \Rightarrow 1 - 5776 + 337536 = 329861$

$n=77 \Rightarrow 1 - 5929 + 347423 = 338995$

$n=78 \Rightarrow 1 - 6084 + 357424 = 348141$

$n=79 \Rightarrow 1 - 6241 + 367535 = 357295$

$n=80 \Rightarrow 1 - 6400 + 377756 = 366457$

$n=81 \Rightarrow 1 - 6561 + 388083 = 375623$

$n=82 \Rightarrow 1 - 6724 + 398512 = 384799$

$n=83 \Rightarrow 1 - 6889 + 409051 = 393981$

$n=84 \Rightarrow 1 - 7056 + 419696 = 403161$

$n=85 \Rightarrow 1 - 7225 + 430453 = 412329$

$n=86 \Rightarrow 1 - 7396 + 441320 = 421495$

$n=87 \Rightarrow 1 - 7569 + 452293 = 430655$

$n=88 \Rightarrow 1 - 7744 + 463370 = 439807$

$n=89 \Rightarrow 1 - 7921 + 474459 = 448839$

$n=90 \Rightarrow 1 - 8100 + 485560 = 457861$

$n=91 \Rightarrow 1 - 8281 + 496769 = 466889$

$n=92 \Rightarrow 1 - 8464 + 507984 = 475921$

$n=93 \Rightarrow 1 - 8649 + 519201 = 484957$

$n=94 \Rightarrow 1 - 8836 + 530520 = 493991$

$n=95 \Rightarrow 1 - 9025 + 541949 = 503025$

$n=96 \Rightarrow 1 - 9216 + 553480 = 512053$

$n=97 \Rightarrow 1 - 9409 + 565011 = 521073$

$n=98 \Rightarrow 1 - 9604 + 576640 = 530089$

$n=99 \Rightarrow 1 - 9801 + 588365 = 539095$

$n=100 \Rightarrow 1 - 10000 + 600000 = 548091$

$n=101 \Rightarrow 1 - 10201 + 611739 = 557039$

$n=102 \Rightarrow 1 - 10404 + 623580 = 565977$

$n=103 \Rightarrow 1 - 10609 + 635521 = 574911$

$n=104 \Rightarrow 1 - 10816 + 647560 = 583845$

$n=105 \Rightarrow 1 - 11025 + 659695 = 592771$

$n=106 \Rightarrow 1 - 11236 + 671824 = 601691$

$n=107 \Rightarrow 1 - 11449 + 683949 = 610607$

$n=108 \Rightarrow 1 - 11664 + 696068 = 619513$

$n=109 \Rightarrow 1 - 11881 + 708181 = 628401$

$n=110 \Rightarrow 1 - 12100 + 720280 = 637281$

$n=111 \Rightarrow 1 - 12321 + 732375 = 646151$

$n=112 \Rightarrow 1 - 12544 + 744464 = 655007$

$n=113 \Rightarrow 1 - 12769 + 756549 = 66$

⑤

$$n^2 + bn + 1 \Rightarrow n=1$$

$$b = -4$$

$$100 - 90 + 1 = 11 \checkmark$$

①

Q

$$a_n = \sqrt{n^2 - n - 1}$$

$$4 + b - v = -4 \Rightarrow b = -1$$

11

۱۳۹۵

۱۴۳۸ 2016

سه شنبه

آبان

1 November

اصفر

9

$$a + 1 \leq a + 1$$

$$\boxed{a \leq a} \checkmark$$

2

(1,

۳, ۴, ۹, ..., ۹۹

$$\frac{99 - 3}{3} + 1 = \text{circled } 1 \checkmark$$

~~Handwritten scribbles~~

0, 10, 100, ..., 90

$$\frac{90 - 0}{10} + 1 = \text{circled } 10$$

$$B = \left[\frac{100}{10} \right] = 10$$



شعبه

آبان

29 October

۲۲ محرم

۱۵، ۲۰، ۲۵، ۳۰، ۳۵، ۴۰

۲۴ ✓

$$۳۳ + ۱۹ - ۴ = ۴۸$$

$$n(A \cup B) = n(A) + n(B) - n(A \cap B)$$

$$= ۳۳ + ۱۹ - ۴ = ۴۸$$