```
In[ ]:=
    SeedRandom[647 406 410]
    list1 = RandomPrime[{7814, 15 628}, 89]
    sum1 = 0
    For[i1 = Length[list1] - 7, i1 ≤ Length[list1], i1++, sum1 = sum1 + list1〚i1〛]
    sum1
```

Out[ ]= RandomGeneratorState[Method: ExtendedCA
                             State hash: 4 768 144 294 041 219 706]

Out[ ]= {9013, 14 771, 12 497, 14 243, 8317, 12 433, 8387, 12 697, 13 597, 8731, 10 867, 8369,
    14 537, 9323, 12 841, 12 457, 9433, 13 093, 15 619, 12 739, 12 101, 12 907, 14 879,
    13 687, 11 779, 12 611, 10 709, 15 233, 10 093, 9791, 14 591, 14 821, 11 159, 8929,
    9907, 10 937, 12 553, 11 369, 11 657, 9743, 13 591, 7963, 8053, 12 553, 11 467,
    13 931, 8623, 11 777, 10 789, 10 289, 12 703, 10 343, 13 591, 7873, 10 433, 11 369,
    8059, 11 087, 8689, 8539, 9941, 10 273, 8941, 13 487, 14 747, 14 431, 14 551,
    9497, 8377, 12 923, 10 141, 13 249, 11 489, 14 537, 14 771, 12 569, 13 159, 8951,
    15 187, 13 099, 10 993, 12 071, 10 987, 10 531, 11 597, 10 883, 11 689, 13 873, 8831}

Out[ ]= 0

Out[ ]= 90 462

```
In[ ]:=
    chislo2 = 1770
    mod2 = 131
    count2 = 100
    randomInt = PowerMod[chislo2, -1, mod2]
    SeedRandom[randomInt]
    listAlph = CharacterRange["a", "z"]
    randomStr2 = RandomChoice[listAlph, count2]
    Array[array2, {10, 10}, 0]
    masAlph = Partition[randomStr2, 10]
    Do[Do[array2[i - 1, j - 1] = masAlph〚i, j〛, {i, 10}], {j, 10}]
    array2[5, 5]
    array2[4, 1]
    array2[0, 5]
    array2[5, 0]
    array2[1, 9]
    array2[3, 5]
    array2[7, 6]
```

Out[ ]= 1770

Out[ ]= 131

Out[ ]= 100

Out[ ]= 88

Out[ ]= RandomGeneratorState[Method: ExtendedCA
State hash: −8 308 342 569 137 491 279]

Out[ ]= {a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z}

Out[ ]= {t, i, a, l, y, f, w, s, l, t, j, n, l, k, o, y, e, d, x, a, x, c, i, y, i,
r, g, t, b, q, s, h, j, u, j, a, t, w, c, m, l, f, n, i, t, s, l, x, x, c,
j, z, b, p, z, q, k, m, j, f, k, f, j, i, c, k, z, r, v, r, s, i, q, e, y,
l, g, t, c, s, n, l, n, c, k, s, p, w, h, i, z, a, u, r, v, v, a, x, f, e}

Out[ ]= {{array2[0, 0], array2[0, 1], array2[0, 2], array2[0, 3], array2[0, 4],
array2[0, 5], array2[0, 6], array2[0, 7], array2[0, 8], array2[0, 9]},
{array2[1, 0], array2[1, 1], array2[1, 2], array2[1, 3], array2[1, 4],
array2[1, 5], array2[1, 6], array2[1, 7], array2[1, 8], array2[1, 9]},
{array2[2, 0], array2[2, 1], array2[2, 2], array2[2, 3], array2[2, 4],
array2[2, 5], array2[2, 6], array2[2, 7], array2[2, 8], array2[2, 9]},
{array2[3, 0], array2[3, 1], array2[3, 2], array2[3, 3], array2[3, 4],
array2[3, 5], array2[3, 6], array2[3, 7], array2[3, 8], array2[3, 9]},
{array2[4, 0], array2[4, 1], array2[4, 2], array2[4, 3], array2[4, 4],
array2[4, 5], array2[4, 6], array2[4, 7], array2[4, 8], array2[4, 9]},
{array2[5, 0], array2[5, 1], array2[5, 2], array2[5, 3], array2[5, 4],
array2[5, 5], array2[5, 6], array2[5, 7], array2[5, 8], array2[5, 9]},
{array2[6, 0], array2[6, 1], array2[6, 2], array2[6, 3], array2[6, 4],
array2[6, 5], array2[6, 6], array2[6, 7], array2[6, 8], array2[6, 9]},
{array2[7, 0], array2[7, 1], array2[7, 2], array2[7, 3], array2[7, 4],
array2[7, 5], array2[7, 6], array2[7, 7], array2[7, 8], array2[7, 9]},
{array2[8, 0], array2[8, 1], array2[8, 2], array2[8, 3], array2[8, 4],
array2[8, 5], array2[8, 6], array2[8, 7], array2[8, 8], array2[8, 9]},
{array2[9, 0], array2[9, 1], array2[9, 2], array2[9, 3], array2[9, 4],
array2[9, 5], array2[9, 6], array2[9, 7], array2[9, 8], array2[9, 9]}}

Out[ ]= {{t, i, a, l, y, f, w, s, l, t}, {j, n, l, k, o, y, e, d, x, a},
{x, c, i, y, i, r, g, t, b, q}, {s, h, j, u, j, a, t, w, c, m},
{l, f, n, i, t, s, l, x, x, c}, {j, z, b, p, z, q, k, m, j, f},
{k, f, j, i, c, k, z, r, v, r}, {s, i, q, e, y, l, g, t, c, s},
{n, l, n, c, k, s, p, w, h, i}, {z, a, u, r, v, v, a, x, f, e}}

Out[ ]= q

Out[ ]= f

Out[ ]= f

Out[ ]= j

Out[ ]= a

Out[ ]= a

Out[ ]= g

In[ ]:=
```
chislo3 = 279 635
pole3 = 758 963
otvet3 = PowerMod[chislo3, -1, pole3]
```

Out[ ]= 279 635

Out[ ]= 758 963

Out[ ]= 494 263

In[ ]:=
```
rand4 = 36
count4 = 820
a4 = 226
b4 = 911
collis4 = 2
SeedRandom[rand4]
list1 = RandomChoice[Range[a4, b4], count4]
mult4 = 1
For[i1 = a4, i1 ≤ b4, i1++,
 If[Count[list1, i1] ⩵ collis4 + 1, mult4 = mult4 * i1]]
Length[IntegerDigits[mult4, 2]
]
mult4
```

Out[ ]= 36

Out[ ]= 820

Out[ ]= 226

Out[ ]= 911

Out[ ]= 2

Out[ ]= RandomGeneratorState[Method: ExtendedCA
State hash: −7 910 682 752 289 431 726]

Out[ ]= {369, 609, 278, 469, 344, 336, 339, 533, 463, 474, 358, 803, 856, 596, 637, 613,
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827, 901, 720, 228, 517, 348, 354, 838, 796, 578, 264, 340, 907, 581, 328, 473,
894, 824, 451, 308, 495, 669, 881, 826, 462, 886, 444, 900, 593, 804, 287, 357,
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443, 793, 573, 603, 414, 861, 610, 432, 815, 661, 627, 337, 617, 307, 683, 312,
542, 411, 344, 752, 518, 797, 878, 669, 360, 235, 426, 757, 571, 660, 837, 278,
795, 376, 747, 618, 348, 241, 647, 279, 247, 480, 336, 646, 588, 524, 773, 698,

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878, 451, 408, 374, 417, 502, 626, 295, 494, 316, 296, 885, 610, 303, 508,
427, 505, 279, 432, 825, 728, 268, 902, 513, 633, 708, 786, 536, 346, 779}

Out[ ]= 1

Out[ ]= 558

Out[ ]= 477 299 849 417 581 812 969 567 379 514 177 269 288 561 161 921 715 590 422 949 593 634 199 ᐳ
088 507 416 506 953 251 011 223 664 781 907 255 588 374 126 460 468 965 247 897 345 622 485 ᐳ
173 567 439 839 323 750 400 000 000 000

In[ ]:=
```
list51 = Range[1, 13]
list52 = Range[393, 1171]
list5 = Union[list51, list52]
list5 = Sort[list5]
SeedRandom[676 882 434]
list5 = RandomSample[list5]
Print["Мин поз"]
listNum1 = Position[list5, Min[list5]]
Print["Макс поз"]
listNum2 = Position[list5, Max[list5]]
Print["Мин"]
Min[list5]
Print["Макс"]
Max[list5]
Print["Отв"]
proizv5 = listNum1 * listNum2
```

Out[ ]= {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13}

Out[ ]= {393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408,
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Определить количество простых чисел, меньших или равных 5616

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