1 def gcd(x, y):

2 if x == 0:

3 return y

4 if y == 0:

5 return x

6 while y != 0:

7 rem = x % y

8 x = y

9 y = rem

10 return x

1 DIGITS = '0123456789ABCDEF'

2

3 def hex(number):

4 if number == 0:

5 return '0'

6 res = ''

7 while number > 0:

8 digit = number % 16

9 res = DIGITS[digit] + res

10 number = number // 16

11 return res

1 from math import \*

2

3 def square\_equal(a, b, c):

4 if a != 0:

5 D = b\*b - 4\*a\*c

6 if D > 0:

7 x1 = (-b - sqrt(D)) / (2\*a)

8 x2 = (-b + sqrt(D)) / (2\*a)

9 return [x1, x2]

10 elif D == 0:

11 return [-b / (2\*a)]

12 else:

13 return []

14 else:

15 if b != 0:

16 return [-c / b]

17 else:

18 return []

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Таблица квадратов** | | | | | | | | | | |
|  | **\_0** | **\_1** | **\_2** | **\_3** | **\_4** | **\_5** | **\_6** | **\_7** | **\_8** | **\_9** |
| **0\_** | 0 | 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 |
| **1\_** | 100 | 121 | 144 | 169 | 196 | 225 | 256 | 289 | 324 | 361 |
| **2\_** | 400 | 441 | 484 | 529 | 576 | 625 | 676 | 729 | 784 | 841 |
| **3\_** | 900 | 961 | 1024 | 1089 | 1156 | 1225 | 1296 | 1369 | 1444 | 1521 |
| **4\_** | 1600 | 1681 | 1764 | 1849 | 1936 | 2025 | 2116 | 2209 | 2304 | 2401 |
| **5\_** | 2500 | 2601 | 2704 | 2809 | 2916 | 3025 | 3136 | 3249 | 3364 | 3481 |
| **6\_** | 3600 | 3721 | 3844 | 3969 | 4096 | 4225 | 4356 | 4489 | 4624 | 4761 |
| **7\_** | 4900 | 5041 | 5184 | 5329 | 5476 | 5625 | 5776 | 5929 | 6084 | 6241 |
| **8\_** | 6400 | 6561 | 6724 | 6889 | 7056 | 7225 | 7396 | 7569 | 7744 | 7921 |
| **9\_** | 8100 | 8281 | 8464 | 8649 | 8836 | 9025 | 9216 | 9409 | 9604 | 9801 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Таблица квадратов** | | | | | | | | | | |
|  | **\_0** | **\_1** | **\_2** | **\_3** | **\_4** | **\_5** | **\_6** | **\_7** | **\_8** | **\_9** |
| **0\_** | 0 | 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 |
| **1\_** | 100 | 121 | 144 | 169 | 196 | 225 | 256 | 289 | 324 | 361 |
| **2\_** | 400 | 441 | 484 | 529 | 576 | 625 | 676 | 729 | 784 | 841 |
| **3\_** | 900 | 961 | 1024 | 1089 | 1156 | 1225 | 1296 | 1369 | 1444 | 1521 |
| **4\_** | 1600 | 1681 | 1764 | 1849 | 1936 | 2025 | 2116 | 2209 | 2304 | 2401 |
| **5\_** | 2500 | 2601 | 2704 | 2809 | 2916 | 3025 | 3136 | 3249 | 3364 | 3481 |
| **6\_** | 3600 | 3721 | 3844 | 3969 | 4096 | 4225 | 4356 | 4489 | 4624 | 4761 |
| **7\_** | 4900 | 5041 | 5184 | 5329 | 5476 | 5625 | 5776 | 5929 | 6084 | 6241 |
| **8\_** | 6400 | 6561 | 6724 | 6889 | 7056 | 7225 | 7396 | 7569 | 7744 | 7921 |
| **9\_** | 8100 | 8281 | 8464 | 8649 | 8836 | 9025 | 9216 | 9409 | 9604 | 9801 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Таблица квадратов** | | | | | | | | | | |
|  | **\_0** | **\_1** | **\_2** | **\_3** | **\_4** | **\_5** | **\_6** | **\_7** | **\_8** | **\_9** |
| **0\_** | 0 | 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 |
| **1\_** | 100 | 121 | 144 | 169 | 196 | 225 | 256 | 289 | 324 | 361 |
| **2\_** | 400 | 441 | 484 | 529 | 576 | 625 | 676 | 729 | 784 | 841 |
| **3\_** | 900 | 961 | 1024 | 1089 | 1156 | 1225 | 1296 | 1369 | 1444 | 1521 |
| **4\_** | 1600 | 1681 | 1764 | 1849 | 1936 | 2025 | 2116 | 2209 | 2304 | 2401 |
| **5\_** | 2500 | 2601 | 2704 | 2809 | 2916 | 3025 | 3136 | 3249 | 3364 | 3481 |
| **6\_** | 3600 | 3721 | 3844 | 3969 | 4096 | 4225 | 4356 | 4489 | 4624 | 4761 |
| **7\_** | 4900 | 5041 | 5184 | 5329 | 5476 | 5625 | 5776 | 5929 | 6084 | 6241 |
| **8\_** | 6400 | 6561 | 6724 | 6889 | 7056 | 7225 | 7396 | 7569 | 7744 | 7921 |
| **9\_** | 8100 | 8281 | 8464 | 8649 | 8836 | 9025 | 9216 | 9409 | 9604 | 9801 |