

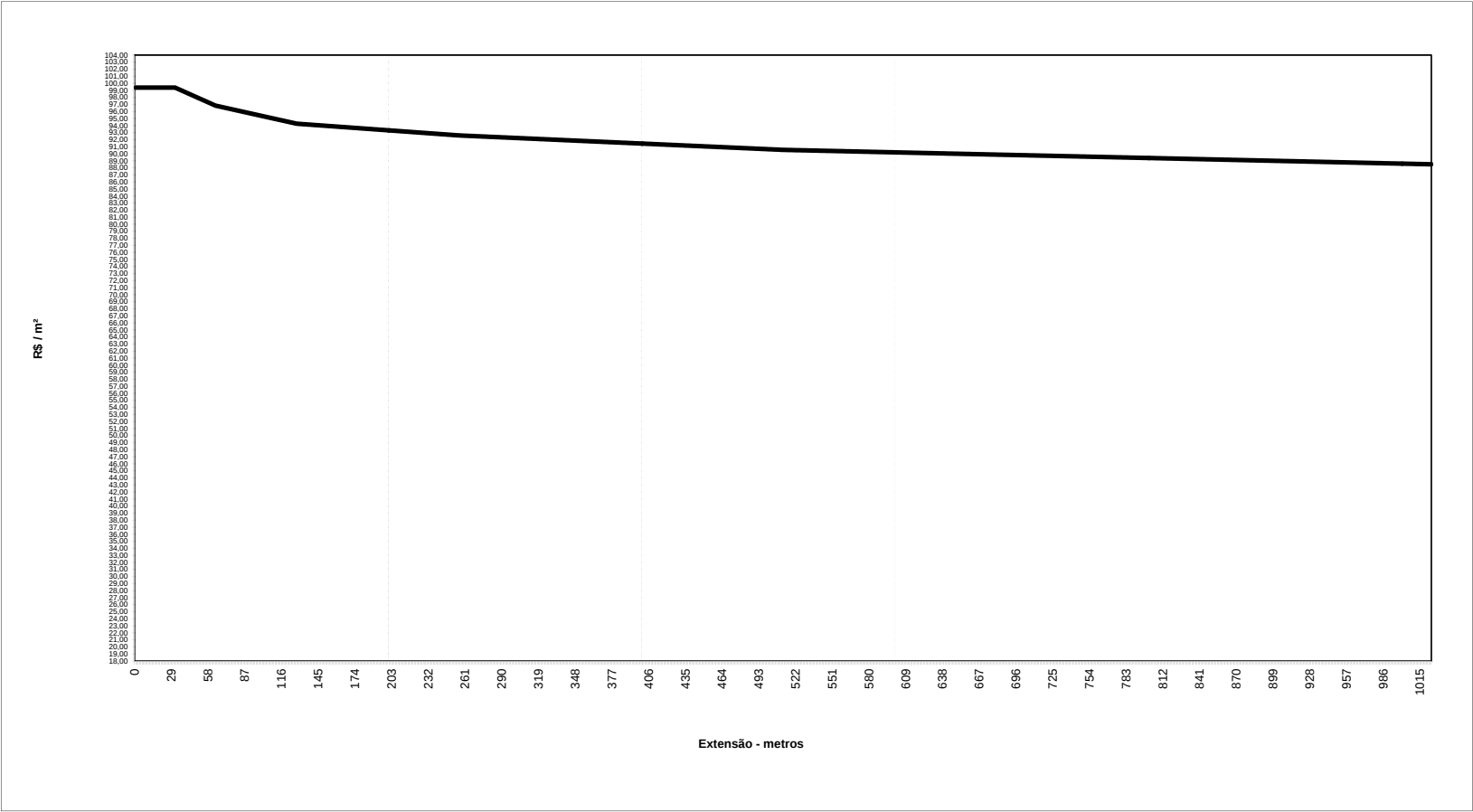


DAER - Departamento Autônomo de Estradas de Rodagem  
DGP - Diretoria de Gestão e Projetos  
SPR - Superintendência de Programação Rodoviária  
EER - Equipe de Economia Rodoviária

**PROJETO ESTRUTURAL DE PONTE E VIADUTO**

| Item                                                                      | Extensão (m) |      | Fator EOA | fórmula              | limite faixa mínimo | limite faixa máximo | Unitário (R\$/m²) |
|---------------------------------------------------------------------------|--------------|------|-----------|----------------------|---------------------|---------------------|-------------------|
| Conforme PCU para extensão média no RS de 64,00m de acordo com EOA >>>>>> |              |      |           |                      |                     |                     | 96,83             |
| Pontes/Viadutos Comuns (retos em concreto armado)                         |              |      |           |                      |                     |                     |                   |
| 1                                                                         | 1            | 32   |           | PU = 99,39           | 99,39               | 99,39               |                   |
| 2                                                                         | 32           | 64   | 0,080     | PU = 101,95-0,08 x V | 99,39               | 96,83               |                   |
| 3                                                                         | 64           | 128  | 0,040     | PU = 99,39-0,04 x V  | 96,83               | 94,27               |                   |
| 4                                                                         | 128          | 256  | 0,013     | PU = 95,93-0,013 x V | 94,27               | 92,61               |                   |
| 5                                                                         | 256          | 512  | 0,008     | PU = 94,65-0,008 x V | 92,61               | 90,56               |                   |
| 6                                                                         | 512          | 1024 | 0,004     | PU = 92,6-0,004 x V  | 90,56               | 88,51               |                   |

| Extensão<br>m | RS / m²     |
|---------------|-------------|
|               | fatores EOA |
| 0             |             |
| 1             | 99,390      |
| 2             | 99,390      |
| 3             | 99,390      |
| 4             | 99,390      |
| 5             | 99,390      |
| 6             | 99,390      |
| 7             | 99,390      |
| 8             | 99,390      |
| 9             | 99,390      |
| 10            | 99,390      |
| 11            | 99,390      |
| 12            | 99,390      |
| 13            | 99,390      |
| 14            | 99,390      |
| 15            | 99,390      |
| 16            | 99,390      |
| 17            | 99,390      |
| 18            | 99,390      |
| 19            | 99,390      |
| 20            | 99,390      |
| 21            | 99,390      |
| 22            | 99,390      |
| 23            | 99,390      |
| 24            | 99,390      |
| 25            | 99,390      |
| 26            | 99,390      |
| 27            | 99,390      |
| 28            | 99,390      |
| 29            | 99,390      |
| 30            | 99,390      |
| 31            | 99,390      |
| 32            | 99,390      |
| 33            | 99,310      |
| 34            | 99,230      |
| 35            | 99,150      |
| 36            | 99,070      |
| 37            | 98,990      |
| 38            | 98,910      |
| 39            | 98,830      |
| 40            | 98,750      |
| 41            | 98,670      |



|     |        |
|-----|--------|
| 42  | 98.590 |
| 43  | 98.510 |
| 44  | 98.430 |
| 45  | 98.350 |
| 46  | 98.270 |
| 47  | 98.190 |
| 48  | 98.110 |
| 49  | 98.030 |
| 50  | 97.950 |
| 51  | 97.870 |
| 52  | 97.790 |
| 53  | 97.710 |
| 54  | 97.630 |
| 55  | 97.550 |
| 56  | 97.470 |
| 57  | 97.390 |
| 58  | 97.310 |
| 59  | 97.230 |
| 60  | 97.150 |
| 61  | 97.070 |
| 62  | 96.990 |
| 63  | 96.910 |
| 64  | 96.830 |
| 65  | 96.790 |
| 66  | 96.750 |
| 67  | 96.710 |
| 68  | 96.670 |
| 69  | 96.630 |
| 70  | 96.590 |
| 71  | 96.550 |
| 72  | 96.510 |
| 73  | 96.470 |
| 74  | 96.430 |
| 75  | 96.390 |
| 76  | 96.350 |
| 77  | 96.310 |
| 78  | 96.270 |
| 79  | 96.230 |
| 80  | 96.190 |
| 81  | 96.150 |
| 82  | 96.110 |
| 83  | 96.070 |
| 84  | 96.030 |
| 85  | 95.990 |
| 86  | 95.950 |
| 87  | 95.910 |
| 88  | 95.870 |
| 89  | 95.830 |
| 90  | 95.790 |
| 91  | 95.750 |
| 92  | 95.710 |
| 93  | 95.670 |
| 94  | 95.630 |
| 95  | 95.590 |
| 96  | 95.550 |
| 97  | 95.510 |
| 98  | 95.470 |
| 99  | 95.430 |
| 100 | 95.390 |
| 101 | 95.350 |
| 102 | 95.310 |
| 103 | 95.270 |
| 104 | 95.230 |
| 105 | 95.190 |
| 106 | 95.150 |
| 107 | 95.110 |
| 108 | 95.070 |
| 109 | 95.030 |
| 110 | 94.990 |
| 111 | 94.950 |
| 112 | 94.910 |
| 113 | 94.870 |
| 114 | 94.830 |
| 115 | 94.790 |
| 116 | 94.750 |
| 117 | 94.710 |
| 118 | 94.670 |
| 119 | 94.630 |
| 120 | 94.590 |
| 121 | 94.550 |
| 122 | 94.510 |
| 123 | 94.470 |
| 124 | 94.430 |
| 125 | 94.390 |
| 126 | 94.350 |

|     |        |
|-----|--------|
| 127 | 94.310 |
| 128 | 94.270 |
| 129 | 94.260 |
| 130 | 94.240 |
| 131 | 94.230 |
| 132 | 94.220 |
| 133 | 94.200 |
| 134 | 94.190 |
| 135 | 94.180 |
| 136 | 94.170 |
| 137 | 94.150 |
| 138 | 94.140 |
| 139 | 94.130 |
| 140 | 94.110 |
| 141 | 94.100 |
| 142 | 94.090 |
| 143 | 94.070 |
| 144 | 94.060 |
| 145 | 94.050 |
| 146 | 94.040 |
| 147 | 94.020 |
| 148 | 94.010 |
| 149 | 94.000 |
| 150 | 93.980 |
| 151 | 93.970 |
| 152 | 93.960 |
| 153 | 93.940 |
| 154 | 93.930 |
| 155 | 93.920 |
| 156 | 93.910 |
| 157 | 93.890 |
| 158 | 93.880 |
| 159 | 93.870 |
| 160 | 93.850 |
| 161 | 93.840 |
| 162 | 93.830 |
| 163 | 93.810 |
| 164 | 93.800 |
| 165 | 93.790 |
| 166 | 93.780 |
| 167 | 93.760 |
| 168 | 93.750 |
| 169 | 93.740 |
| 170 | 93.720 |
| 171 | 93.710 |
| 172 | 93.700 |
| 173 | 93.680 |
| 174 | 93.670 |
| 175 | 93.660 |
| 176 | 93.650 |
| 177 | 93.630 |
| 178 | 93.620 |
| 179 | 93.610 |
| 180 | 93.590 |
| 181 | 93.580 |
| 182 | 93.570 |
| 183 | 93.550 |
| 184 | 93.540 |
| 185 | 93.530 |
| 186 | 93.520 |
| 187 | 93.500 |
| 188 | 93.490 |
| 189 | 93.480 |
| 190 | 93.460 |
| 191 | 93.450 |
| 192 | 93.440 |
| 193 | 93.420 |
| 194 | 93.410 |
| 195 | 93.400 |
| 196 | 93.390 |
| 197 | 93.370 |
| 198 | 93.360 |
| 199 | 93.350 |
| 200 | 93.330 |
| 201 | 93.320 |
| 202 | 93.310 |
| 203 | 93.290 |
| 204 | 93.280 |
| 205 | 93.270 |
| 206 | 93.260 |
| 207 | 93.240 |
| 208 | 93.230 |
| 209 | 93.220 |
| 210 | 93.200 |
| 211 | 93.190 |

|     |        |
|-----|--------|
| 212 | 93.180 |
| 213 | 93.160 |
| 214 | 93.150 |
| 215 | 93.140 |
| 216 | 93.130 |
| 217 | 93.110 |
| 218 | 93.100 |
| 219 | 93.090 |
| 220 | 93.070 |
| 221 | 93.060 |
| 222 | 93.050 |
| 223 | 93.030 |
| 224 | 93.020 |
| 225 | 93.010 |
| 226 | 93.000 |
| 227 | 92.980 |
| 228 | 92.970 |
| 229 | 92.960 |
| 230 | 92.940 |
| 231 | 92.930 |
| 232 | 92.920 |
| 233 | 92.900 |
| 234 | 92.890 |
| 235 | 92.880 |
| 236 | 92.870 |
| 237 | 92.850 |
| 238 | 92.840 |
| 239 | 92.830 |
| 240 | 92.810 |
| 241 | 92.800 |
| 242 | 92.790 |
| 243 | 92.770 |
| 244 | 92.760 |
| 245 | 92.750 |
| 246 | 92.740 |
| 247 | 92.720 |
| 248 | 92.710 |
| 249 | 92.700 |
| 250 | 92.680 |
| 251 | 92.670 |
| 252 | 92.660 |
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| 254 | 92.630 |
| 255 | 92.620 |
| 256 | 92.610 |
| 257 | 92.600 |
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| 260 | 92.570 |
| 261 | 92.560 |
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| 263 | 92.550 |
| 264 | 92.540 |
| 265 | 92.530 |
| 266 | 92.520 |
| 267 | 92.520 |
| 268 | 92.510 |
| 269 | 92.500 |
| 270 | 92.490 |
| 271 | 92.480 |
| 272 | 92.480 |
| 273 | 92.470 |
| 274 | 92.460 |
| 275 | 92.450 |
| 276 | 92.440 |
| 277 | 92.440 |
| 278 | 92.430 |
| 279 | 92.420 |
| 280 | 92.410 |
| 281 | 92.400 |
| 282 | 92.400 |
| 283 | 92.390 |
| 284 | 92.380 |
| 285 | 92.370 |
| 286 | 92.360 |
| 287 | 92.360 |
| 288 | 92.350 |
| 289 | 92.340 |
| 290 | 92.330 |
| 291 | 92.320 |
| 292 | 92.320 |
| 293 | 92.310 |
| 294 | 92.300 |
| 295 | 92.290 |
| 296 | 92.280 |

|     |        |
|-----|--------|
| 297 | 92.280 |
| 298 | 92.270 |
| 299 | 92.260 |
| 300 | 92.250 |
| 301 | 92.240 |
| 302 | 92.240 |
| 303 | 92.230 |
| 304 | 92.220 |
| 305 | 92.210 |
| 306 | 92.200 |
| 307 | 92.200 |
| 308 | 92.190 |
| 309 | 92.180 |
| 310 | 92.170 |
| 311 | 92.160 |
| 312 | 92.160 |
| 313 | 92.150 |
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| 317 | 92.120 |
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| 343 | 91.910 |
| 344 | 91.900 |
| 345 | 91.890 |
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| 347 | 91.880 |
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| 350 | 91.850 |
| 351 | 91.840 |
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| 354 | 91.820 |
| 355 | 91.810 |
| 356 | 91.800 |
| 357 | 91.800 |
| 358 | 91.790 |
| 359 | 91.780 |
| 360 | 91.770 |
| 361 | 91.760 |
| 362 | 91.760 |
| 363 | 91.750 |
| 364 | 91.740 |
| 365 | 91.730 |
| 366 | 91.720 |
| 367 | 91.720 |
| 368 | 91.710 |
| 369 | 91.700 |
| 370 | 91.690 |
| 371 | 91.680 |
| 372 | 91.680 |
| 373 | 91.670 |
| 374 | 91.660 |
| 375 | 91.650 |
| 376 | 91.640 |
| 377 | 91.640 |
| 378 | 91.630 |
| 379 | 91.620 |
| 380 | 91.610 |
| 381 | 91.600 |

|     |        |
|-----|--------|
| 382 | 91.600 |
| 383 | 91.590 |
| 384 | 91.580 |
| 385 | 91.570 |
| 386 | 91.560 |
| 387 | 91.560 |
| 388 | 91.550 |
| 389 | 91.540 |
| 390 | 91.530 |
| 391 | 91.520 |
| 392 | 91.520 |
| 393 | 91.510 |
| 394 | 91.500 |
| 395 | 91.490 |
| 396 | 91.480 |
| 397 | 91.480 |
| 398 | 91.470 |
| 399 | 91.460 |
| 400 | 91.450 |
| 401 | 91.440 |
| 402 | 91.440 |
| 403 | 91.430 |
| 404 | 91.420 |
| 405 | 91.410 |
| 406 | 91.400 |
| 407 | 91.400 |
| 408 | 91.390 |
| 409 | 91.380 |
| 410 | 91.370 |
| 411 | 91.360 |
| 412 | 91.360 |
| 413 | 91.350 |
| 414 | 91.340 |
| 415 | 91.330 |
| 416 | 91.320 |
| 417 | 91.320 |
| 418 | 91.310 |
| 419 | 91.300 |
| 420 | 91.290 |
| 421 | 91.280 |
| 422 | 91.280 |
| 423 | 91.270 |
| 424 | 91.260 |
| 425 | 91.250 |
| 426 | 91.240 |
| 427 | 91.240 |
| 428 | 91.230 |
| 429 | 91.220 |
| 430 | 91.210 |
| 431 | 91.200 |
| 432 | 91.200 |
| 433 | 91.190 |
| 434 | 91.180 |
| 435 | 91.170 |
| 436 | 91.160 |
| 437 | 91.160 |
| 438 | 91.150 |
| 439 | 91.140 |
| 440 | 91.130 |
| 441 | 91.120 |
| 442 | 91.120 |
| 443 | 91.110 |
| 444 | 91.100 |
| 445 | 91.090 |
| 446 | 91.080 |
| 447 | 91.080 |
| 448 | 91.070 |
| 449 | 91.060 |
| 450 | 91.050 |
| 451 | 91.040 |
| 452 | 91.040 |
| 453 | 91.030 |
| 454 | 91.020 |
| 455 | 91.010 |
| 456 | 91.000 |
| 457 | 91.000 |
| 458 | 90.990 |
| 459 | 90.980 |
| 460 | 90.970 |
| 461 | 90.960 |
| 462 | 90.960 |
| 463 | 90.950 |
| 464 | 90.940 |
| 465 | 90.930 |
| 466 | 90.920 |

|     |        |
|-----|--------|
| 467 | 90.920 |
| 468 | 90.910 |
| 469 | 90.900 |
| 470 | 90.890 |
| 471 | 90.880 |
| 472 | 90.880 |
| 473 | 90.870 |
| 474 | 90.860 |
| 475 | 90.850 |
| 476 | 90.840 |
| 477 | 90.840 |
| 478 | 90.830 |
| 479 | 90.820 |
| 480 | 90.810 |
| 481 | 90.800 |
| 482 | 90.800 |
| 483 | 90.790 |
| 484 | 90.780 |
| 485 | 90.770 |
| 486 | 90.760 |
| 487 | 90.760 |
| 488 | 90.750 |
| 489 | 90.740 |
| 490 | 90.730 |
| 491 | 90.720 |
| 492 | 90.720 |
| 493 | 90.710 |
| 494 | 90.700 |
| 495 | 90.690 |
| 496 | 90.680 |
| 497 | 90.680 |
| 498 | 90.670 |
| 499 | 90.660 |
| 500 | 90.650 |
| 501 | 90.640 |
| 502 | 90.640 |
| 503 | 90.630 |
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| 505 | 90.610 |
| 506 | 90.600 |
| 507 | 90.600 |
| 508 | 90.590 |
| 509 | 90.580 |
| 510 | 90.570 |
| 511 | 90.560 |
| 512 | 90.560 |
| 513 | 90.550 |
| 514 | 90.550 |
| 515 | 90.540 |
| 516 | 90.540 |
| 517 | 90.530 |
| 518 | 90.530 |
| 519 | 90.530 |
| 520 | 90.520 |
| 521 | 90.520 |
| 522 | 90.510 |
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| 524 | 90.510 |
| 525 | 90.500 |
| 526 | 90.500 |
| 527 | 90.490 |
| 528 | 90.490 |
| 529 | 90.490 |
| 530 | 90.480 |
| 531 | 90.480 |
| 532 | 90.470 |
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| 534 | 90.470 |
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| 536 | 90.460 |
| 537 | 90.450 |
| 538 | 90.450 |
| 539 | 90.450 |
| 540 | 90.440 |
| 541 | 90.440 |
| 542 | 90.430 |
| 543 | 90.430 |
| 544 | 90.430 |
| 545 | 90.420 |
| 546 | 90.420 |
| 547 | 90.410 |
| 548 | 90.410 |
| 549 | 90.410 |
| 550 | 90.400 |
| 551 | 90.400 |

|     |        |
|-----|--------|
| 552 | 90.390 |
| 553 | 90.390 |
| 554 | 90.390 |
| 555 | 90.380 |
| 556 | 90.380 |
| 557 | 90.370 |
| 558 | 90.370 |
| 559 | 90.370 |
| 560 | 90.360 |
| 561 | 90.360 |
| 562 | 90.350 |
| 563 | 90.350 |
| 564 | 90.350 |
| 565 | 90.340 |
| 566 | 90.340 |
| 567 | 90.330 |
| 568 | 90.330 |
| 569 | 90.330 |
| 570 | 90.320 |
| 571 | 90.320 |
| 572 | 90.310 |
| 573 | 90.310 |
| 574 | 90.310 |
| 575 | 90.300 |
| 576 | 90.300 |
| 577 | 90.290 |
| 578 | 90.290 |
| 579 | 90.290 |
| 580 | 90.280 |
| 581 | 90.280 |
| 582 | 90.270 |
| 583 | 90.270 |
| 584 | 90.270 |
| 585 | 90.260 |
| 586 | 90.260 |
| 587 | 90.250 |
| 588 | 90.250 |
| 589 | 90.250 |
| 590 | 90.240 |
| 591 | 90.240 |
| 592 | 90.230 |
| 593 | 90.230 |
| 594 | 90.230 |
| 595 | 90.220 |
| 596 | 90.220 |
| 597 | 90.210 |
| 598 | 90.210 |
| 599 | 90.210 |
| 600 | 90.200 |
| 601 | 90.200 |
| 602 | 90.190 |
| 603 | 90.190 |
| 604 | 90.190 |
| 605 | 90.180 |
| 606 | 90.180 |
| 607 | 90.170 |
| 608 | 90.170 |
| 609 | 90.170 |
| 610 | 90.160 |
| 611 | 90.160 |
| 612 | 90.150 |
| 613 | 90.150 |
| 614 | 90.150 |
| 615 | 90.140 |
| 616 | 90.140 |
| 617 | 90.130 |
| 618 | 90.130 |
| 619 | 90.130 |
| 620 | 90.120 |
| 621 | 90.120 |
| 622 | 90.110 |
| 623 | 90.110 |
| 624 | 90.110 |
| 625 | 90.100 |
| 626 | 90.100 |
| 627 | 90.090 |
| 628 | 90.090 |
| 629 | 90.090 |
| 630 | 90.080 |
| 631 | 90.080 |
| 632 | 90.070 |
| 633 | 90.070 |
| 634 | 90.070 |
| 635 | 90.060 |
| 636 | 90.060 |

|     |        |
|-----|--------|
| 637 | 90.050 |
| 638 | 90.050 |
| 639 | 90.050 |
| 640 | 90.040 |
| 641 | 90.040 |
| 642 | 90.030 |
| 643 | 90.030 |
| 644 | 90.030 |
| 645 | 90.020 |
| 646 | 90.020 |
| 647 | 90.010 |
| 648 | 90.010 |
| 649 | 90.010 |
| 650 | 90.000 |
| 651 | 90.000 |
| 652 | 89.990 |
| 653 | 89.990 |
| 654 | 89.990 |
| 655 | 89.980 |
| 656 | 89.980 |
| 657 | 89.970 |
| 658 | 89.970 |
| 659 | 89.970 |
| 660 | 89.960 |
| 661 | 89.960 |
| 662 | 89.950 |
| 663 | 89.950 |
| 664 | 89.950 |
| 665 | 89.940 |
| 666 | 89.940 |
| 667 | 89.930 |
| 668 | 89.930 |
| 669 | 89.930 |
| 670 | 89.920 |
| 671 | 89.920 |
| 672 | 89.910 |
| 673 | 89.910 |
| 674 | 89.910 |
| 675 | 89.900 |
| 676 | 89.900 |
| 677 | 89.890 |
| 678 | 89.890 |
| 679 | 89.890 |
| 680 | 89.880 |
| 681 | 89.880 |
| 682 | 89.870 |
| 683 | 89.870 |
| 684 | 89.870 |
| 685 | 89.860 |
| 686 | 89.860 |
| 687 | 89.850 |
| 688 | 89.850 |
| 689 | 89.850 |
| 690 | 89.840 |
| 691 | 89.840 |
| 692 | 89.830 |
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| 699 | 89.810 |
| 700 | 89.800 |
| 701 | 89.800 |
| 702 | 89.790 |
| 703 | 89.790 |
| 704 | 89.790 |
| 705 | 89.780 |
| 706 | 89.780 |
| 707 | 89.770 |
| 708 | 89.770 |
| 709 | 89.770 |
| 710 | 89.760 |
| 711 | 89.760 |
| 712 | 89.750 |
| 713 | 89.750 |
| 714 | 89.750 |
| 715 | 89.740 |
| 716 | 89.740 |
| 717 | 89.730 |
| 718 | 89.730 |
| 719 | 89.730 |
| 720 | 89.720 |
| 721 | 89.720 |

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| 722 | 89.710 |
| 723 | 89.710 |
| 724 | 89.710 |
| 725 | 89.700 |
| 726 | 89.700 |
| 727 | 89.690 |
| 728 | 89.690 |
| 729 | 89.690 |
| 730 | 89.680 |
| 731 | 89.680 |
| 732 | 89.670 |
| 733 | 89.670 |
| 734 | 89.670 |
| 735 | 89.660 |
| 736 | 89.660 |
| 737 | 89.650 |
| 738 | 89.650 |
| 739 | 89.650 |
| 740 | 89.640 |
| 741 | 89.640 |
| 742 | 89.630 |
| 743 | 89.630 |
| 744 | 89.630 |
| 745 | 89.620 |
| 746 | 89.620 |
| 747 | 89.610 |
| 748 | 89.610 |
| 749 | 89.610 |
| 750 | 89.600 |
| 751 | 89.600 |
| 752 | 89.590 |
| 753 | 89.590 |
| 754 | 89.590 |
| 755 | 89.580 |
| 756 | 89.580 |
| 757 | 89.570 |
| 758 | 89.570 |
| 759 | 89.570 |
| 760 | 89.560 |
| 761 | 89.560 |
| 762 | 89.550 |
| 763 | 89.550 |
| 764 | 89.550 |
| 765 | 89.540 |
| 766 | 89.540 |
| 767 | 89.530 |
| 768 | 89.530 |
| 769 | 89.530 |
| 770 | 89.520 |
| 771 | 89.520 |
| 772 | 89.510 |
| 773 | 89.510 |
| 774 | 89.510 |
| 775 | 89.500 |
| 776 | 89.500 |
| 777 | 89.490 |
| 778 | 89.490 |
| 779 | 89.490 |
| 780 | 89.480 |
| 781 | 89.480 |
| 782 | 89.470 |
| 783 | 89.470 |
| 784 | 89.470 |
| 785 | 89.460 |
| 786 | 89.460 |
| 787 | 89.450 |
| 788 | 89.450 |
| 789 | 89.450 |
| 790 | 89.440 |
| 791 | 89.440 |
| 792 | 89.430 |
| 793 | 89.430 |
| 794 | 89.430 |
| 795 | 89.420 |
| 796 | 89.420 |
| 797 | 89.410 |
| 798 | 89.410 |
| 799 | 89.410 |
| 800 | 89.400 |
| 801 | 89.400 |
| 802 | 89.390 |
| 803 | 89.390 |
| 804 | 89.390 |
| 805 | 89.380 |
| 806 | 89.380 |

|     |        |
|-----|--------|
| 807 | 89.370 |
| 808 | 89.370 |
| 809 | 89.370 |
| 810 | 89.360 |
| 811 | 89.360 |
| 812 | 89.350 |
| 813 | 89.350 |
| 814 | 89.350 |
| 815 | 89.340 |
| 816 | 89.340 |
| 817 | 89.330 |
| 818 | 89.330 |
| 819 | 89.330 |
| 820 | 89.320 |
| 821 | 89.320 |
| 822 | 89.310 |
| 823 | 89.310 |
| 824 | 89.310 |
| 825 | 89.300 |
| 826 | 89.300 |
| 827 | 89.290 |
| 828 | 89.290 |
| 829 | 89.290 |
| 830 | 89.280 |
| 831 | 89.280 |
| 832 | 89.270 |
| 833 | 89.270 |
| 834 | 89.270 |
| 835 | 89.260 |
| 836 | 89.260 |
| 837 | 89.250 |
| 838 | 89.250 |
| 839 | 89.250 |
| 840 | 89.240 |
| 841 | 89.240 |
| 842 | 89.230 |
| 843 | 89.230 |
| 844 | 89.230 |
| 845 | 89.220 |
| 846 | 89.220 |
| 847 | 89.210 |
| 848 | 89.210 |
| 849 | 89.210 |
| 850 | 89.200 |
| 851 | 89.200 |
| 852 | 89.190 |
| 853 | 89.190 |
| 854 | 89.190 |
| 855 | 89.180 |
| 856 | 89.180 |
| 857 | 89.170 |
| 858 | 89.170 |
| 859 | 89.170 |
| 860 | 89.160 |
| 861 | 89.160 |
| 862 | 89.150 |
| 863 | 89.150 |
| 864 | 89.150 |
| 865 | 89.140 |
| 866 | 89.140 |
| 867 | 89.130 |
| 868 | 89.130 |
| 869 | 89.130 |
| 870 | 89.120 |
| 871 | 89.120 |
| 872 | 89.110 |
| 873 | 89.110 |
| 874 | 89.110 |
| 875 | 89.100 |
| 876 | 89.100 |
| 877 | 89.090 |
| 878 | 89.090 |
| 879 | 89.090 |
| 880 | 89.080 |
| 881 | 89.080 |
| 882 | 89.070 |
| 883 | 89.070 |
| 884 | 89.070 |
| 885 | 89.060 |
| 886 | 89.060 |
| 887 | 89.050 |
| 888 | 89.050 |
| 889 | 89.050 |
| 890 | 89.040 |
| 891 | 89.040 |

|     |        |
|-----|--------|
| 892 | 89.030 |
| 893 | 89.030 |
| 894 | 89.030 |
| 895 | 89.020 |
| 896 | 89.020 |
| 897 | 89.010 |
| 898 | 89.010 |
| 899 | 89.010 |
| 900 | 89.000 |
| 901 | 89.000 |
| 902 | 88.990 |
| 903 | 88.990 |
| 904 | 88.990 |
| 905 | 88.980 |
| 906 | 88.980 |
| 907 | 88.970 |
| 908 | 88.970 |
| 909 | 88.970 |
| 910 | 88.960 |
| 911 | 88.960 |
| 912 | 88.950 |
| 913 | 88.950 |
| 914 | 88.950 |
| 915 | 88.940 |
| 916 | 88.940 |
| 917 | 88.930 |
| 918 | 88.930 |
| 919 | 88.930 |
| 920 | 88.920 |
| 921 | 88.920 |
| 922 | 88.910 |
| 923 | 88.910 |
| 924 | 88.910 |
| 925 | 88.900 |
| 926 | 88.900 |
| 927 | 88.890 |
| 928 | 88.890 |
| 929 | 88.890 |
| 930 | 88.880 |
| 931 | 88.880 |
| 932 | 88.870 |
| 933 | 88.870 |
| 934 | 88.870 |
| 935 | 88.860 |
| 936 | 88.860 |
| 937 | 88.850 |
| 938 | 88.850 |
| 939 | 88.850 |
| 940 | 88.840 |
| 941 | 88.840 |
| 942 | 88.830 |
| 943 | 88.830 |
| 944 | 88.830 |
| 945 | 88.820 |
| 946 | 88.820 |
| 947 | 88.810 |
| 948 | 88.810 |
| 949 | 88.810 |
| 950 | 88.800 |
| 951 | 88.800 |
| 952 | 88.790 |
| 953 | 88.790 |
| 954 | 88.790 |
| 955 | 88.780 |
| 956 | 88.780 |
| 957 | 88.770 |
| 958 | 88.770 |
| 959 | 88.770 |
| 960 | 88.760 |
| 961 | 88.760 |
| 962 | 88.750 |
| 963 | 88.750 |
| 964 | 88.750 |
| 965 | 88.740 |
| 966 | 88.740 |
| 967 | 88.730 |
| 968 | 88.730 |
| 969 | 88.730 |
| 970 | 88.720 |
| 971 | 88.720 |
| 972 | 88.710 |
| 973 | 88.710 |
| 974 | 88.710 |
| 975 | 88.700 |
| 976 | 88.700 |

|      |        |
|------|--------|
| 977  | 88.690 |
| 978  | 88.690 |
| 979  | 88.690 |
| 980  | 88.680 |
| 981  | 88.680 |
| 982  | 88.670 |
| 983  | 88.670 |
| 984  | 88.670 |
| 985  | 88.660 |
| 986  | 88.660 |
| 987  | 88.650 |
| 988  | 88.650 |
| 989  | 88.650 |
| 990  | 88.640 |
| 991  | 88.640 |
| 992  | 88.630 |
| 993  | 88.630 |
| 994  | 88.630 |
| 995  | 88.620 |
| 996  | 88.620 |
| 997  | 88.610 |
| 998  | 88.610 |
| 999  | 88.610 |
| 1000 | 88.600 |
| 1001 | 88.600 |
| 1002 | 88.590 |
| 1003 | 88.590 |
| 1004 | 88.590 |
| 1005 | 88.580 |
| 1006 | 88.580 |
| 1007 | 88.570 |
| 1008 | 88.570 |
| 1009 | 88.570 |
| 1010 | 88.560 |
| 1011 | 88.560 |
| 1012 | 88.550 |
| 1013 | 88.550 |
| 1014 | 88.550 |
| 1015 | 88.540 |
| 1016 | 88.540 |
| 1017 | 88.530 |
| 1018 | 88.530 |
| 1019 | 88.530 |
| 1020 | 88.520 |
| 1021 | 88.520 |
| 1022 | 88.510 |
| 1023 | 88.510 |
| 1024 | 88.510 |