

Prime factorization of the first 1000 integers

1 = 1	2 = 2 ¹	3 = 3 ¹	4 = 2 ²	5 = 5 ¹
6 = 2 ¹ 3 ¹	7 = 7 ¹	8 = 2 ³	9 = 3 ²	10 = 2 ¹ 5 ¹
11 = 11 ¹	12 = 2 ² 3 ¹	13 = 13 ¹	14 = 2 ¹ 7 ¹	15 = 3 ¹ 5 ¹
16 = 2 ⁴	17 = 17 ¹	18 = 2 ¹ 3 ²	19 = 19 ¹	20 = 2 ² 5 ¹
21 = 3 ¹ 7 ¹	22 = 2 ¹ 11 ¹	23 = 23 ¹	24 = 2 ³ 3 ¹	25 = 5 ²
26 = 2 ¹ 13 ¹	27 = 3 ³	28 = 2 ² 7 ¹	29 = 29 ¹	30 = 2 ¹ 3 ¹ 5 ¹
31 = 31 ¹	32 = 2 ⁵	33 = 3 ¹ 11 ¹	34 = 2 ¹ 17 ¹	35 = 5 ¹ 7 ¹
36 = 2 ² 3 ²	37 = 37 ¹	38 = 2 ¹ 19 ¹	39 = 3 ¹ 13 ¹	40 = 2 ³ 5 ¹
41 = 41 ¹	42 = 2 ¹ 3 ¹ 7 ¹	43 = 43 ¹	44 = 2 ² 11 ¹	45 = 3 ² 5 ¹
46 = 2 ¹ 23 ¹	47 = 47 ¹	48 = 2 ⁴ 3 ¹	49 = 7 ²	50 = 2 ¹ 5 ²
51 = 3 ¹ 17 ¹	52 = 2 ² 13 ¹	53 = 53 ¹	54 = 2 ¹ 3 ³	55 = 5 ¹ 11 ¹
56 = 2 ³ 7 ¹	57 = 3 ¹ 19 ¹	58 = 2 ¹ 29 ¹	59 = 59 ¹	60 = 2 ² 3 ¹ 5 ¹
61 = 61 ¹	62 = 2 ¹ 31 ¹	63 = 3 ² 7 ¹	64 = 2 ⁶	65 = 5 ¹ 13 ¹
66 = 2 ¹ 3 ¹ 11 ¹	67 = 67 ¹	68 = 2 ² 17 ¹	69 = 3 ¹ 23 ¹	70 = 2 ¹ 5 ¹ 7 ¹
71 = 71 ¹	72 = 2 ³ 3 ²	73 = 73 ¹	74 = 2 ¹ 37 ¹	75 = 3 ¹ 5 ²
76 = 2 ² 19 ¹	77 = 7 ¹ 11 ¹	78 = 2 ¹ 3 ¹ 13 ¹	79 = 79 ¹	80 = 2 ⁴ 5 ¹
81 = 3 ⁴	82 = 2 ¹ 41 ¹	83 = 83 ¹	84 = 2 ² 3 ¹ 7 ¹	85 = 5 ¹ 17 ¹
86 = 2 ¹ 43 ¹	87 = 3 ¹ 29 ¹	88 = 2 ³ 11 ¹	89 = 89 ¹	90 = 2 ¹ 3 ² 5 ¹
91 = 7 ¹ 13 ¹	92 = 2 ² 23 ¹	93 = 3 ¹ 31 ¹	94 = 2 ¹ 47 ¹	95 = 5 ¹ 19 ¹
96 = 2 ⁵ 3 ¹	97 = 97 ¹	98 = 2 ¹ 7 ²	99 = 3 ² 11 ¹	100 = 2 ² 5 ²
101 = 101 ¹	102 = 2 ¹ 3 ¹ 17 ¹	103 = 103 ¹	104 = 2 ³ 13 ¹	105 = 3 ¹ 5 ¹ 7 ¹
106 = 2 ¹ 53 ¹	107 = 107 ¹	108 = 2 ² 3 ³	109 = 109 ¹	110 = 2 ¹ 5 ¹ 11 ¹
111 = 3 ¹ 37 ¹	112 = 2 ⁴ 7 ¹	113 = 113 ¹	114 = 2 ¹ 3 ¹ 19 ¹	115 = 5 ¹ 23 ¹
116 = 2 ² 29 ¹	117 = 3 ² 13 ¹	118 = 2 ¹ 59 ¹	119 = 7 ¹ 17 ¹	120 = 2 ³ 3 ¹ 5 ¹
121 = 11 ²	122 = 2 ¹ 61 ¹	123 = 3 ¹ 41 ¹	124 = 2 ² 31 ¹	125 = 5 ³
126 = 2 ¹ 3 ² 7 ¹	127 = 127 ¹	128 = 2 ⁷	129 = 3 ¹ 43 ¹	130 = 2 ¹ 5 ¹ 13 ¹
131 = 131 ¹	132 = 2 ² 3 ¹ 11 ¹	133 = 7 ¹ 19 ¹	134 = 2 ¹ 67 ¹	135 = 3 ³ 5 ¹
136 = 2 ³ 17 ¹	137 = 137 ¹	138 = 2 ¹ 3 ¹ 23 ¹	139 = 139 ¹	140 = 2 ² 5 ¹ 7 ¹
141 = 3 ¹ 47 ¹	142 = 2 ¹ 71 ¹	143 = 11 ¹ 13 ¹	144 = 2 ⁴ 3 ²	145 = 5 ¹ 29 ¹
146 = 2 ¹ 73 ¹	147 = 3 ¹ 7 ²	148 = 2 ² 37 ¹	149 = 149 ¹	150 = 2 ¹ 3 ¹ 5 ²
151 = 151 ¹	152 = 2 ³ 19 ¹	153 = 3 ² 17 ¹	154 = 2 ¹ 7 ¹ 11 ¹	155 = 5 ¹ 31 ¹
156 = 2 ² 3 ¹ 13 ¹	157 = 157 ¹	158 = 2 ¹ 79 ¹	159 = 3 ¹ 53 ¹	160 = 2 ⁵ 5 ¹
161 = 7 ¹ 23 ¹	162 = 2 ¹ 3 ⁴	163 = 163 ¹	164 = 2 ² 41 ¹	165 = 3 ¹ 5 ¹ 11 ¹
166 = 2 ¹ 83 ¹	167 = 167 ¹	168 = 2 ³ 3 ¹ 7 ¹	169 = 13 ²	170 = 2 ¹ 5 ¹ 17 ¹
171 = 3 ² 19 ¹	172 = 2 ² 43 ¹	173 = 173 ¹	174 = 2 ¹ 3 ¹ 29 ¹	175 = 5 ² 7 ¹
176 = 2 ⁴ 11 ¹	177 = 3 ¹ 59 ¹	178 = 2 ¹ 89 ¹	179 = 179 ¹	180 = 2 ² 3 ² 5 ¹
181 = 181 ¹	182 = 2 ¹ 7 ¹ 13 ¹	183 = 3 ¹ 61 ¹	184 = 2 ³ 23 ¹	185 = 5 ¹ 37 ¹
186 = 2 ¹ 3 ¹ 31 ¹	187 = 11 ¹ 17 ¹	188 = 2 ² 47 ¹	189 = 3 ³ 7 ¹	190 = 2 ¹ 5 ¹ 19 ¹
191 = 191 ¹	192 = 2 ⁶ 3 ¹	193 = 193 ¹	194 = 2 ¹ 97 ¹	195 = 3 ¹ 5 ¹ 13 ¹
196 = 2 ² 7 ²	197 = 197 ¹	198 = 2 ¹ 3 ² 11 ¹	199 = 199 ¹	200 = 2 ³ 5 ²

201 = $3^1 67^1$	202 = $2^1 101^1$	203 = $7^1 29^1$	204 = $2^2 3^1 17^1$	205 = $5^1 41^1$
206 = $2^1 103^1$	207 = $3^2 23^1$	208 = $2^4 13^1$	209 = $11^1 19^1$	210 = $2^1 3^1 5^1 7^1$
211 = 211^1	212 = $2^2 53^1$	213 = $3^1 71^1$	214 = $2^1 107^1$	215 = $5^1 43^1$
216 = $2^3 3^3$	217 = $7^1 31^1$	218 = $2^1 109^1$	219 = $3^1 73^1$	220 = $2^2 5^1 11^1$
221 = $13^1 17^1$	222 = $2^1 3^1 37^1$	223 = 223^1	224 = $2^5 7^1$	225 = $3^2 5^2$
226 = $2^1 113^1$	227 = 227^1	228 = $2^2 3^1 19^1$	229 = 229^1	230 = $2^1 5^1 23^1$
231 = $3^1 7^1 11^1$	232 = $2^3 29^1$	233 = 233^1	234 = $2^1 3^2 13^1$	235 = $5^1 47^1$
236 = $2^2 59^1$	237 = $3^1 79^1$	238 = $2^1 7^1 17^1$	239 = 239^1	240 = $2^4 3^1 5^1$
241 = 241^1	242 = $2^1 11^2$	243 = 3^5	244 = $2^2 61^1$	245 = $5^1 7^2$
246 = $2^1 3^1 41^1$	247 = $13^1 19^1$	248 = $2^3 31^1$	249 = $3^1 83^1$	250 = $2^1 5^3$
251 = 251^1	252 = $2^2 3^2 7^1$	253 = $11^1 23^1$	254 = $2^1 127^1$	255 = $3^1 5^1 17^1$
256 = 2^8	257 = 257^1	258 = $2^1 3^1 43^1$	259 = $7^1 37^1$	260 = $2^2 5^1 13^1$
261 = $3^2 29^1$	262 = $2^1 131^1$	263 = 263^1	264 = $2^3 3^1 11^1$	265 = $5^1 53^1$
266 = $2^1 7^1 19^1$	267 = $3^1 89^1$	268 = $2^2 67^1$	269 = 269^1	270 = $2^1 3^3 5^1$
271 = 271^1	272 = $2^4 17^1$	273 = $3^1 7^1 13^1$	274 = $2^1 137^1$	275 = $5^2 11^1$
276 = $2^2 3^1 23^1$	277 = 277^1	278 = $2^1 139^1$	279 = $3^2 31^1$	280 = $2^3 5^1 7^1$
281 = 281^1	282 = $2^1 3^1 47^1$	283 = 283^1	284 = $2^2 71^1$	285 = $3^1 5^1 19^1$
286 = $2^1 11^1 13^1$	287 = $7^1 41^1$	288 = $2^5 3^2$	289 = 17^2	290 = $2^1 5^1 29^1$
291 = $3^1 97^1$	292 = $2^2 73^1$	293 = 293^1	294 = $2^1 3^1 7^2$	295 = $5^1 59^1$
296 = $2^3 37^1$	297 = $3^3 11^1$	298 = $2^1 149^1$	299 = $13^1 23^1$	300 = $2^2 3^1 5^2$

301 = $7^1 43^1$	302 = $2^1 151^1$	303 = $3^1 101^1$	304 = $2^4 19^1$	305 = $5^1 61^1$
306 = $2^1 3^2 17^1$	307 = 307^1	308 = $2^2 7^1 11^1$	309 = $3^1 103^1$	310 = $2^1 5^1 31^1$
311 = 311^1	312 = $2^3 3^1 13^1$	313 = 313^1	314 = $2^1 157^1$	315 = $3^2 5^1 7^1$
316 = $2^2 79^1$	317 = 317^1	318 = $2^1 3^1 53^1$	319 = $11^1 29^1$	320 = $2^6 5^1$
321 = $3^1 107^1$	322 = $2^1 7^1 23^1$	323 = $17^1 19^1$	324 = $2^2 3^4$	325 = $5^2 13^1$
326 = $2^1 163^1$	327 = $3^1 109^1$	328 = $2^3 41^1$	329 = $7^1 47^1$	330 = $2^1 3^1 5^1 11^1$
331 = 331^1	332 = $2^2 83^1$	333 = $3^2 37^1$	334 = $2^1 167^1$	335 = $5^1 67^1$
336 = $2^4 3^1 7^1$	337 = 337^1	338 = $2^1 13^2$	339 = $3^1 113^1$	340 = $2^2 5^1 17^1$
341 = $11^1 31^1$	342 = $2^1 3^2 19^1$	343 = 7^3	344 = $2^3 43^1$	345 = $3^1 5^1 23^1$
346 = $2^1 173^1$	347 = 347^1	348 = $2^2 3^1 29^1$	349 = 349^1	350 = $2^1 5^2 7^1$
351 = $3^3 13^1$	352 = $2^5 11^1$	353 = 353^1	354 = $2^1 3^1 59^1$	355 = $5^1 71^1$
356 = $2^2 89^1$	357 = $3^1 7^1 17^1$	358 = $2^1 179^1$	359 = 359^1	360 = $2^3 3^2 5^1$
361 = 19^2	362 = $2^1 181^1$	363 = $3^1 11^2$	364 = $2^2 7^1 13^1$	365 = $5^1 73^1$
366 = $2^1 3^1 61^1$	367 = 367^1	368 = $2^4 23^1$	369 = $3^2 41^1$	370 = $2^1 5^1 37^1$
371 = $7^1 53^1$	372 = $2^2 3^1 31^1$	373 = 373^1	374 = $2^1 11^1 17^1$	375 = $3^1 5^3$
376 = $2^3 47^1$	377 = $13^1 29^1$	378 = $2^1 3^3 7^1$	379 = 379^1	380 = $2^2 5^1 19^1$
381 = $3^1 127^1$	382 = $2^1 191^1$	383 = 383^1	384 = $2^7 3^1$	385 = $5^1 7^1 11^1$
386 = $2^1 193^1$	387 = $3^2 43^1$	388 = $2^2 97^1$	389 = 389^1	390 = $2^1 3^1 5^1 13^1$
391 = $17^1 23^1$	392 = $2^3 7^2$	393 = $3^1 131^1$	394 = $2^1 197^1$	395 = $5^1 79^1$
396 = $2^2 3^2 11^1$	397 = 397^1	398 = $2^1 199^1$	399 = $3^1 7^1 19^1$	400 = $2^4 5^2$

401 = 401^1	402 = $2^1 3^1 67^1$	403 = $13^1 31^1$	404 = $2^2 101^1$	405 = $3^4 5^1$
406 = $2^1 7^1 29^1$	407 = $11^1 37^1$	408 = $2^3 3^1 17^1$	409 = 409^1	410 = $2^1 5^1 41^1$
411 = $3^1 137^1$	412 = $2^2 103^1$	413 = $7^1 59^1$	414 = $2^1 3^2 23^1$	415 = $5^1 83^1$
416 = $2^5 13^1$	417 = $3^1 139^1$	418 = $2^1 11^1 19^1$	419 = 419^1	420 = $2^2 3^1 5^1 7^1$
421 = 421^1	422 = $2^1 211^1$	423 = $3^2 47^1$	424 = $2^3 53^1$	425 = $5^2 17^1$
426 = $2^1 3^1 71^1$	427 = $7^1 61^1$	428 = $2^2 107^1$	429 = $3^1 11^1 13^1$	430 = $2^1 5^1 43^1$
431 = 431^1	432 = $2^4 3^3$	433 = 433^1	434 = $2^1 7^1 31^1$	435 = $3^1 5^1 29^1$
436 = $2^2 109^1$	437 = $19^1 23^1$	438 = $2^1 3^1 73^1$	439 = 439^1	440 = $2^3 5^1 11^1$
441 = $3^2 7^2$	442 = $2^1 13^1 17^1$	443 = 443^1	444 = $2^2 3^1 37^1$	445 = $5^1 89^1$
446 = $2^1 223^1$	447 = $3^1 149^1$	448 = $2^6 7^1$	449 = 449^1	450 = $2^1 3^2 5^2$
451 = $11^1 41^1$	452 = $2^2 113^1$	453 = $3^1 151^1$	454 = $2^1 227^1$	455 = $5^1 7^1 13^1$
456 = $2^3 3^1 19^1$	457 = 457^1	458 = $2^1 229^1$	459 = $3^3 17^1$	460 = $2^2 5^1 23^1$
461 = 461^1	462 = $2^1 3^1 7^1 11^1$	463 = 463^1	464 = $2^4 29^1$	465 = $3^1 5^1 31^1$
466 = $2^1 233^1$	467 = 467^1	468 = $2^2 3^2 13^1$	469 = $7^1 67^1$	470 = $2^1 5^1 47^1$
471 = $3^1 157^1$	472 = $2^3 59^1$	473 = $11^1 43^1$	474 = $2^1 3^1 79^1$	475 = $5^2 19^1$
476 = $2^2 7^1 17^1$	477 = $3^2 53^1$	478 = $2^1 239^1$	479 = 479^1	480 = $2^5 3^1 5^1$
481 = $13^1 37^1$	482 = $2^1 241^1$	483 = $3^1 7^1 23^1$	484 = $2^2 11^2$	485 = $5^1 97^1$
486 = $2^1 3^5$	487 = 487^1	488 = $2^3 61^1$	489 = $3^1 163^1$	490 = $2^1 5^1 7^2$
491 = 491^1	492 = $2^2 3^1 41^1$	493 = $17^1 29^1$	494 = $2^1 13^1 19^1$	495 = $3^2 5^1 11^1$
496 = $2^4 31^1$	497 = $7^1 71^1$	498 = $2^1 3^1 83^1$	499 = 499^1	500 = $2^2 5^3$

501 = $3^1 167^1$	502 = $2^1 251^1$	503 = 503^1	504 = $2^3 3^2 7^1$	505 = $5^1 101^1$
506 = $2^1 11^1 23^1$	507 = $3^1 13^2$	508 = $2^2 127^1$	509 = 509^1	510 = $2^1 3^1 5^1 17^1$
511 = $7^1 73^1$	512 = 2^9	513 = $3^3 19^1$	514 = $2^1 257^1$	515 = $5^1 103^1$
516 = $2^2 3^1 43^1$	517 = $11^1 47^1$	518 = $2^1 7^1 37^1$	519 = $3^1 173^1$	520 = $2^3 5^1 13^1$
521 = 521^1	522 = $2^1 3^2 29^1$	523 = 523^1	524 = $2^2 131^1$	525 = $3^1 5^2 7^1$
526 = $2^1 263^1$	527 = $17^1 31^1$	528 = $2^4 3^1 11^1$	529 = 23^2	530 = $2^1 5^1 53^1$
531 = $3^2 59^1$	532 = $2^2 7^1 19^1$	533 = $13^1 41^1$	534 = $2^1 3^1 89^1$	535 = $5^1 107^1$
536 = $2^3 67^1$	537 = $3^1 179^1$	538 = $2^1 269^1$	539 = $7^2 11^1$	540 = $2^2 3^3 5^1$
541 = 541^1	542 = $2^1 271^1$	543 = $3^1 181^1$	544 = $2^5 17^1$	545 = $5^1 109^1$
546 = $2^1 3^1 7^1 13^1$	547 = 547^1	548 = $2^2 137^1$	549 = $3^2 61^1$	550 = $2^1 5^2 11^1$
551 = $19^1 29^1$	552 = $2^3 3^1 23^1$	553 = $7^1 79^1$	554 = $2^1 277^1$	555 = $3^1 5^1 37^1$
556 = $2^2 139^1$	557 = 557^1	558 = $2^1 3^2 31^1$	559 = $13^1 43^1$	560 = $2^4 5^1 7^1$
561 = $3^1 11^1 17^1$	562 = $2^1 281^1$	563 = 563^1	564 = $2^2 3^1 47^1$	565 = $5^1 113^1$
566 = $2^1 283^1$	567 = $3^4 7^1$	568 = $2^3 71^1$	569 = 569^1	570 = $2^1 3^1 5^1 19^1$
571 = 571^1	572 = $2^2 11^1 13^1$	573 = $3^1 191^1$	574 = $2^1 7^1 41^1$	575 = $5^2 23^1$
576 = $2^6 3^2$	577 = 577^1	578 = $2^1 17^2$	579 = $3^1 193^1$	580 = $2^2 5^1 29^1$
581 = $7^1 83^1$	582 = $2^1 3^1 97^1$	583 = $11^1 53^1$	584 = $2^3 73^1$	585 = $3^2 5^1 13^1$
586 = $2^1 293^1$	587 = 587^1	588 = $2^2 3^1 7^2$	589 = $19^1 31^1$	590 = $2^1 5^1 59^1$
591 = $3^1 197^1$	592 = $2^4 37^1$	593 = 593^1	594 = $2^1 3^3 11^1$	595 = $5^1 7^1 17^1$
596 = $2^2 149^1$	597 = $3^1 199^1$	598 = $2^1 13^1 23^1$	599 = 599^1	600 = $2^3 3^1 5^2$

601 = 601^1	602 = $2^1 7^1 43^1$	603 = $3^2 67^1$	604 = $2^2 151^1$	605 = $5^1 11^2$
606 = $2^1 3^1 101^1$	607 = 607^1	608 = $2^5 19^1$	609 = $3^1 7^1 29^1$	610 = $2^1 5^1 61^1$
611 = $13^1 47^1$	612 = $2^2 3^2 17^1$	613 = 613^1	614 = $2^1 307^1$	615 = $3^1 5^1 41^1$
616 = $2^3 7^1 11^1$	617 = 617^1	618 = $2^1 3^1 103^1$	619 = 619^1	620 = $2^2 5^1 31^1$
621 = $3^3 23^1$	622 = $2^1 311^1$	623 = $7^1 89^1$	624 = $2^4 3^1 13^1$	625 = 5^4
626 = $2^1 313^1$	627 = $3^1 11^1 19^1$	628 = $2^2 157^1$	629 = $17^1 37^1$	630 = $2^1 3^2 5^1 7^1$
631 = 631^1	632 = $2^3 79^1$	633 = $3^1 211^1$	634 = $2^1 317^1$	635 = $5^1 127^1$
636 = $2^2 3^1 53^1$	637 = $7^2 13^1$	638 = $2^1 11^1 29^1$	639 = $3^2 71^1$	640 = $2^7 5^1$
641 = 641^1	642 = $2^1 3^1 107^1$	643 = 643^1	644 = $2^2 7^1 23^1$	645 = $3^1 5^1 43^1$
646 = $2^1 17^1 19^1$	647 = 647^1	648 = $2^3 3^4$	649 = $11^1 59^1$	650 = $2^1 5^2 13^1$
651 = $3^1 7^1 31^1$	652 = $2^2 163^1$	653 = 653^1	654 = $2^1 3^1 109^1$	655 = $5^1 131^1$
656 = $2^4 41^1$	657 = $3^2 73^1$	658 = $2^1 7^1 47^1$	659 = 659^1	660 = $2^2 3^1 5^1 11^1$
661 = 661^1	662 = $2^1 331^1$	663 = $3^1 13^1 17^1$	664 = $2^3 83^1$	665 = $5^1 7^1 19^1$
666 = $2^1 3^2 37^1$	667 = $23^1 29^1$	668 = $2^2 167^1$	669 = $3^1 223^1$	670 = $2^1 5^1 67^1$
671 = $11^1 61^1$	672 = $2^5 3^1 7^1$	673 = 673^1	674 = $2^1 337^1$	675 = $3^3 5^2$
676 = $2^2 13^2$	677 = 677^1	678 = $2^1 3^1 113^1$	679 = $7^1 97^1$	680 = $2^3 5^1 17^1$
681 = $3^1 227^1$	682 = $2^1 11^1 31^1$	683 = 683^1	684 = $2^2 3^2 19^1$	685 = $5^1 137^1$
686 = $2^1 7^2$	687 = $3^1 229^1$	688 = $2^4 43^1$	689 = $13^1 53^1$	690 = $2^1 3^1 5^1 23^1$
691 = 691^1	692 = $2^2 173^1$	693 = $3^2 7^1 11^1$	694 = $2^1 347^1$	695 = $5^1 139^1$
696 = $2^3 3^1 29^1$	697 = $17^1 41^1$	698 = $2^1 349^1$	699 = $3^1 233^1$	700 = $2^2 5^2 7^1$

701 = 701^1	702 = $2^1 3^3 13^1$	703 = $19^1 37^1$	704 = $2^6 11^1$	705 = $3^1 5^1 47^1$
706 = $2^1 353^1$	707 = $7^1 101^1$	708 = $2^2 3^1 59^1$	709 = 709^1	710 = $2^1 5^1 71^1$
711 = $3^2 79^1$	712 = $2^3 89^1$	713 = $23^1 31^1$	714 = $2^1 3^1 7^1 17^1$	715 = $5^1 11^1 13^1$
716 = $2^2 179^1$	717 = $3^1 239^1$	718 = $2^1 359^1$	719 = 719^1	720 = $2^4 3^2 5^1$
721 = $7^1 103^1$	722 = $2^1 19^2$	723 = $3^1 241^1$	724 = $2^2 181^1$	725 = $5^2 29^1$
726 = $2^1 3^1 11^2$	727 = 727^1	728 = $2^3 7^1 13^1$	729 = 3^6	730 = $2^1 5^1 73^1$
731 = $17^1 43^1$	732 = $2^2 3^1 61^1$	733 = 733^1	734 = $2^1 367^1$	735 = $3^1 5^1 7^2$
736 = $2^5 23^1$	737 = $11^1 67^1$	738 = $2^1 3^2 41^1$	739 = 739^1	740 = $2^2 5^1 37^1$
741 = $3^1 13^1 19^1$	742 = $2^1 7^1 53^1$	743 = 743^1	744 = $2^3 3^1 31^1$	745 = $5^1 149^1$
746 = $2^1 373^1$	747 = $3^2 83^1$	748 = $2^2 11^1 17^1$	749 = $7^1 107^1$	750 = $2^1 3^1 5^3$
751 = 751^1	752 = $2^4 47^1$	753 = $3^1 251^1$	754 = $2^1 13^1 29^1$	755 = $5^1 151^1$
756 = $2^2 3^3 7^1$	757 = 757^1	758 = $2^1 379^1$	759 = $3^1 11^1 23^1$	760 = $2^3 5^1 19^1$
761 = 761^1	762 = $2^1 3^1 127^1$	763 = $7^1 109^1$	764 = $2^2 191^1$	765 = $3^2 5^1 17^1$
766 = $2^1 383^1$	767 = $13^1 59^1$	768 = $2^8 3^1$	769 = 769^1	770 = $2^1 5^1 7^1 11^1$
771 = $3^1 257^1$	772 = $2^2 193^1$	773 = 773^1	774 = $2^1 3^2 43^1$	775 = $5^2 31^1$
776 = $2^3 97^1$	777 = $3^1 7^1 37^1$	778 = $2^1 389^1$	779 = $19^1 41^1$	780 = $2^2 3^1 5^1 13^1$
781 = $11^1 71^1$	782 = $2^1 17^1 23^1$	783 = $3^3 29^1$	784 = $2^4 7^2$	785 = $5^1 157^1$
786 = $2^1 3^1 131^1$	787 = 787^1	788 = $2^2 197^1$	789 = $3^1 263^1$	790 = $2^1 5^1 79^1$
791 = $7^1 113^1$	792 = $2^3 3^2 11^1$	793 = $13^1 61^1$	794 = $2^1 397^1$	795 = $3^1 5^1 53^1$
796 = $2^2 199^1$	797 = 797^1	798 = $2^1 3^1 7^1 19^1$	799 = $17^1 47^1$	800 = $2^5 5^2$

801 = $3^2 89^1$	802 = $2^1 401^1$	803 = $11^1 73^1$	804 = $2^2 3^1 67^1$	805 = $5^1 7^1 23^1$
806 = $2^1 13^1 31^1$	807 = $3^1 269^1$	808 = $2^3 101^1$	809 = 809^1	810 = $2^1 3^4 5^1$
811 = 811^1	812 = $2^2 7^1 29^1$	813 = $3^1 271^1$	814 = $2^1 11^1 37^1$	815 = $5^1 163^1$
816 = $2^4 3^1 17^1$	817 = $19^1 43^1$	818 = $2^1 409^1$	819 = $3^2 7^1 13^1$	820 = $2^2 5^1 41^1$
821 = 821^1	822 = $2^1 3^1 137^1$	823 = 823^1	824 = $2^3 103^1$	825 = $3^1 5^2 11^1$
826 = $2^1 7^1 59^1$	827 = 827^1	828 = $2^2 3^2 23^1$	829 = 829^1	830 = $2^1 5^1 83^1$
831 = $3^1 277^1$	832 = $2^6 13^1$	833 = $7^2 17^1$	834 = $2^1 3^1 139^1$	835 = $5^1 167^1$
836 = $2^2 11^1 19^1$	837 = $3^3 31^1$	838 = $2^1 419^1$	839 = 839^1	840 = $2^3 3^1 5^1 7^1$
841 = 29^2	842 = $2^1 421^1$	843 = $3^1 281^1$	844 = $2^2 211^1$	845 = $5^1 13^2$
846 = $2^1 3^2 47^1$	847 = $7^1 11^2$	848 = $2^4 53^1$	849 = $3^1 283^1$	850 = $2^1 5^2 17^1$
851 = $23^1 37^1$	852 = $2^2 3^1 71^1$	853 = 853^1	854 = $2^1 7^1 61^1$	855 = $3^2 5^1 19^1$
856 = $2^3 107^1$	857 = 857^1	858 = $2^1 3^1 11^1 13^1$	859 = 859^1	860 = $2^2 5^1 43^1$
861 = $3^1 7^1 41^1$	862 = $2^1 431^1$	863 = 863^1	864 = $2^5 3^3$	865 = $5^1 173^1$
866 = $2^1 433^1$	867 = $3^1 17^2$	868 = $2^2 7^1 31^1$	869 = $11^1 79^1$	870 = $2^1 3^1 5^1 29^1$
871 = $13^1 67^1$	872 = $2^3 109^1$	873 = $3^2 97^1$	874 = $2^1 19^1 23^1$	875 = $5^3 7^1$
876 = $2^2 3^1 73^1$	877 = 877^1	878 = $2^1 439^1$	879 = $3^1 293^1$	880 = $2^4 5^1 11^1$
881 = 881^1	882 = $2^1 3^2 7^2$	883 = 883^1	884 = $2^2 13^1 17^1$	885 = $3^1 5^1 59^1$
886 = $2^1 443^1$	887 = 887^1	888 = $2^3 3^1 37^1$	889 = $7^1 127^1$	890 = $2^1 5^1 89^1$
891 = $3^4 11^1$	892 = $2^2 223^1$	893 = $19^1 47^1$	894 = $2^1 3^1 149^1$	895 = $5^1 179^1$
896 = $2^7 7^1$	897 = $3^1 13^1 23^1$	898 = $2^1 449^1$	899 = $29^1 31^1$	900 = $2^2 3^2 5^2$

901 = $17^1 53^1$	902 = $2^1 11^1 41^1$	903 = $3^1 7^1 43^1$	904 = $2^3 113^1$	905 = $5^1 181^1$
906 = $2^1 3^1 151^1$	907 = 907^1	908 = $2^2 227^1$	909 = $3^2 101^1$	910 = $2^1 5^1 7^1 13^1$
911 = 911^1	912 = $2^4 3^1 19^1$	913 = $11^1 83^1$	914 = $2^1 457^1$	915 = $3^1 5^1 61^1$
916 = $2^2 229^1$	917 = $7^1 131^1$	918 = $2^1 3^3 17^1$	919 = 919^1	920 = $2^3 5^1 23^1$
921 = $3^1 307^1$	922 = $2^1 461^1$	923 = $13^1 71^1$	924 = $2^2 3^1 7^1 11^1$	925 = $5^2 37^1$
926 = $2^1 463^1$	927 = $3^2 103^1$	928 = $2^5 29^1$	929 = 929^1	930 = $2^1 3^1 5^1 31^1$
931 = $7^2 19^1$	932 = $2^2 233^1$	933 = $3^1 311^1$	934 = $2^1 467^1$	935 = $5^1 11^1 17^1$
936 = $2^3 3^2 13^1$	937 = 937^1	938 = $2^1 7^1 67^1$	939 = $3^1 313^1$	940 = $2^2 5^1 47^1$
941 = 941^1	942 = $2^1 3^1 157^1$	943 = $23^1 41^1$	944 = $2^4 59^1$	945 = $3^3 5^1 7^1$
946 = $2^1 11^1 43^1$	947 = 947^1	948 = $2^2 3^1 79^1$	949 = $13^1 73^1$	950 = $2^1 5^2 19^1$
951 = $3^1 317^1$	952 = $2^3 7^1 17^1$	953 = 953^1	954 = $2^1 3^2 53^1$	955 = $5^1 191^1$
956 = $2^2 239^1$	957 = $3^1 11^1 29^1$	958 = $2^1 479^1$	959 = $7^1 137^1$	960 = $2^6 3^1 5^1$
961 = 31^2	962 = $2^1 13^1 37^1$	963 = $3^2 107^1$	964 = $2^2 241^1$	965 = $5^1 193^1$
966 = $2^1 3^1 7^1 23^1$	967 = 967^1	968 = $2^3 11^2$	969 = $3^1 17^1 19^1$	970 = $2^1 5^1 97^1$
971 = 971^1	972 = $2^2 3^5$	973 = $7^1 139^1$	974 = $2^1 487^1$	975 = $3^1 5^2 13^1$
976 = $2^4 61^1$	977 = 977^1	978 = $2^1 3^1 163^1$	979 = $11^1 89^1$	980 = $2^2 5^1 7^2$
981 = $3^2 109^1$	982 = $2^1 491^1$	983 = 983^1	984 = $2^3 3^1 41^1$	985 = $5^1 197^1$
986 = $2^1 17^1 29^1$	987 = $3^1 7^1 47^1$	988 = $2^2 13^1 19^1$	989 = $23^1 43^1$	990 = $2^1 3^2 5^1 11^1$
991 = 991^1	992 = $2^5 31^1$	993 = $3^1 331^1$	994 = $2^1 7^1 71^1$	995 = $5^1 199^1$
996 = $2^2 3^1 83^1$	997 = 997^1	998 = $2^1 499^1$	999 = $3^3 37^1$	1000 = $2^3 5^3$