solution for generalized four-fours problem by numbers(5, 5, 5, 5, 5) from 0 to 1000.

2011   3   23

$$0 = 5 \times (55 - 55)$$

$$1 = \frac{55}{5} - (5 + 5)$$

$$2 = 5 + \frac{5 + 5}{5} - 5$$

$$3 = \frac{5 + 5 \times 5}{5 + 5}$$

$$4 = 5 - \frac{55}{55}$$

$$5 = 5 + 55 - 55$$

$$6 = 5 + \frac{55}{55}$$

$$7 = \frac{5 + 55}{5} - 5$$

$$8 = 5 + \frac{5 + 5 + 5}{5}$$

$$9 = \frac{55 - (5 + 5)}{5}$$

$$10 = 5 + 5 + 5 \times (5 - 5)$$

$$11 = 5 + \frac{55}{5} - 5$$

$$12 = 5 + 5 + \frac{5 + 5}{5}$$

$$13 = \frac{5 + 5 + 55}{5}$$

$$14 = 5 + 5 + 5 - \frac{5}{5}$$

$$15 = 5 + 5 + 5 + 5 - 5$$

$$16 = 5 + 5 + 5 + \frac{5}{5}$$

$$17 = 5 + \frac{5 + 55}{5}$$

$$18 = 5 + \frac{5! - 55}{5}$$

$$19 = 5 \times 5 - \left(5 + \frac{5}{5}\right)$$

$$20 = 5 + 5 \times 5 - (5 + 5)$$

$$21 = 5 + 5 + \frac{55}{5}$$

$$22 = \frac{55 + 55}{5}$$

$$23 = 5 \times 5 - \frac{5 + 5}{5}$$

$$24 = 5 \times \left(5 - \frac{5}{5 \times 5}\right)$$

$$25 = 5 + 5 + 5 + 5 + 5$$

$$26 = 5 \times \left(5 + \frac{5}{5 \times 5}\right)$$

$$27 = 5 \times 5 + \frac{5 + 5}{5}$$

$$28 = \frac{5! + 5 \times 5 - 5}{5}$$

$$29 = 5 + 5 \times 5 - \frac{5}{5}$$

$$30 = 5 + 5 + 5 \times 5 - 5$$

$$31 = 5 + 5 \times 5 + \frac{5}{5}$$

$$32 = 55 + \frac{5 - 5!}{5}$$

$$33 = 5 + 5 + \frac{5! - 5}{5}$$

$$34 = \frac{5! + 55 - 5}{5}$$

$$35 = 5 + 55 - 5 \times 5$$

$$36 = 5 \times 5 + \frac{55}{5}$$

$$37 = 5 + \left(\frac{5 + 5}{5}\right)^5$$

$$38 = \frac{5! + 5!}{5} - (5 + 5)$$

$$39 = 5 + 5 + 5 + \frac{5!}{5}$$

$$40 = 55 - (5 + 5 + 5)$$

$$41 = 5! - \left(55 + \frac{5!}{5}\right)$$

$$42 = \frac{5! + 5! - 5}{5} - 5$$

$$43 = 55 - \frac{5!}{5 + 5}$$

$$44 = 55 - \frac{55}{5}$$

$$45 = 5 \times 5 + 5 \times 5 - 5$$

$$46 = \frac{5! + 5! - (5 + 5)}{5}$$

$$47 = \frac{5!}{5} + \frac{5! - 5}{5}$$

$$48 = 5 \times 5 + \frac{5! - 5}{5}$$

$$49 = 55 - \left(5 + \frac{5}{5}\right)$$

$$50 = 5 + 55 - (5 + 5)$$

$$51 = 55 + \frac{5}{5} - 5$$

$$52 = 5 + \frac{5! + 5! - 5}{5}$$

$$53 = 55 - \frac{5 + 5}{5}$$

$$54 = \frac{5 \times 55 - 5}{5}$$

$$55 = 55 + 5 \times (5 - 5)$$

$$56 = \frac{5 + 5 \times 55}{5}$$

$$57 = 55 + \frac{5 + 5}{5}$$

$$58 = 5 + 5 + \frac{5! + 5!}{5}$$

$$59 = 5 + 55 - \frac{5}{5}$$

$$60 = 5 + 5 + 55 - 5$$

$$61 = 5 + 55 + \frac{5}{5}$$

62 : not found.

63 : not found.

$$64 = 5! - \left(55 + \frac{5}{5}\right)$$

$$65 = 5 + 55 + \sqrt{5 \times 5}$$

$$66 = 55 + \frac{55}{5}$$

$$67 = 55 + \frac{5!}{5 + 5}$$

68 : not found.

69 : not found.

$$70 = 5 + 5 + 5 + 55$$

$$71 = 5! - \left(5 \times 5 + \frac{5!}{5}\right)$$

$$72 = \frac{\left(5 + \frac{5}{5}\right)!}{5 + 5}$$

$$73 = 5 \times 5 + \frac{5! + 5!}{5}$$

$$74 = 55 + \frac{5!}{5} - 5$$

$$75 = 55 + 5 \times 5 - 5$$

76 : not found.

$$77 = 5 + \frac{5! + 5! + 5!}{5}$$

$$78 = 55 + \frac{5! - 5}{5}$$

$$79 = 55 + \left(5 - \frac{5}{5}\right)!$$

$$80 = 5 + 5 \times (5 + 5 + 5)$$

81 : not found.

82 : not found.

83 : not found.

$$84 = 5 + 55 + \frac{5!}{5}$$

$$85 = 5 + 55 + 5 \times 5$$

$$86 = 5! - \left(5 + 5 + \frac{5!}{5}\right)$$

$$87 = \frac{555 - 5!}{5}$$

$$88 = 5! - \left(\frac{5 + 5}{5}\right)^5$$

$$89 = 5! + \frac{5!}{5} - 55$$

$$90 = 5! + 5 \times 5 - 55$$

$$91 = 5! - \left(5 + \left(5 - \frac{5}{5}\right)!\right)$$

$$92 = 5! + \frac{5 - 5!}{5} - 5$$

93 : not found.

$$94 = 5! - \left(5 \times 5 + \frac{5}{5}\right)$$

$$95 = (5 + 5) \times (5 + 5) - 5$$

$$96 = 5! + \frac{5}{5} - 5 \times 5$$

$$97 = \frac{5 + 5 \times 5! - 5!}{5}$$

$$98 = 5! + \frac{5 + 5 - 5!}{5}$$

99 : not found.

$$100 = 5 \times (5 + 5 + 5 + 5)$$

$$101 = 5 \times 5 \times 5 - \frac{5!}{5}$$

$$102 = 5 + 5! + \frac{5 - 5!}{5}$$

$$103 = 55 + \frac{5! + 5!}{5}$$

$$104 = 5! - \left(5 + \frac{55}{5}\right)$$

$$105 = 55 + 55 - 5$$

$$106 = \frac{555}{5} - 5$$

$$107 = 5! + \frac{55 - 5!}{5}$$

$$108 = 5! - \frac{5 + 55}{5}$$

$$109 = 5! - \left(5 + 5 + \frac{5}{5}\right)$$

$$110 = \frac{555 - 5}{5}$$

$$111 = \frac{555}{\sqrt{5 \times 5}}$$

$$112 = \frac{5 + 555}{5}$$

$$113 = 5! - \left(5 + \frac{5 + 5}{5}\right)$$

$$114 = 5 + 5! - \frac{55}{5}$$

$$115 = 5 + 55 + 55$$

$$116 = 5 + \frac{555}{5}$$

$$117 = 5! + \frac{5 + 5}{5} - 5$$

$$118 = \frac{5 \times 5! - (5 + 5)}{5}$$

$$119 = 5! - \frac{55}{55}$$

$$120 = 5! + 55 - 55$$

$$121 = 5! + \frac{55}{55}$$

$$122 = \frac{5 + 5 + 5 \times 5!}{5}$$

$$123 = 5! + \frac{5 + 5 + 5}{5}$$

$$124 = 5 \times 5 \times 5 - \frac{5}{5}$$

$$125 = 5 + 5 \times 5 \times 5 - 5$$

$$126 = \frac{5}{5} + 5 \times 5 \times 5$$

$$127 = 5 + 5! + \frac{5 + 5}{5}$$

$$128 = 5! + \frac{5!}{5 + 5 + 5}$$

$$129 = 5 + 5 + 5! - \frac{5}{5}$$

$$130 = 5 + 5 + 5 + 5! - 5$$

$$131 = 5 + 5 + 5! + \frac{5}{5}$$

$$132 = 5! + \frac{5 + 55}{5}$$

$$133 = 5! + \frac{5! - 55}{5}$$

$$134 = 5! + \frac{5!}{5} - (5 + 5)$$

$$135 = 5 + 5 + 5 \times 5 \times 5$$

$$136 = 5 + 5! + \frac{55}{5}$$

$$137 = 5 + 5! + \frac{5!}{5 + 5}$$

$$138 = 5! + \frac{5! - 5}{5} - 5$$

$$139 = \frac{\left(5 + \frac{5}{5}\right)!}{5} - 5$$

$$140 = 5 + 5 + 5 + 5 + 5!$$

141 : not found.

$$142 = 5! + \frac{5! - (5 + 5)}{5}$$

$$143 = \frac{\left(5 + \frac{5}{5}\right)! - 5}{5}$$

$$144 = 5! + 5 \times 5 - \frac{5}{5}$$

$$145 = 5 \times (5 + 5 \times 5) - 5$$

$$146 = 5! + 5 \times 5 + \frac{5}{5}$$

147 : not found.

$$148 = 5 + 5! + \frac{5! - 5}{5}$$

$$149 = 5 + \frac{\left(5 + \frac{5}{5}\right)!}{5}$$

$$150 = (5 + 5) \times (5 + 5 + 5)$$

$$151 = 5! + 55 - \frac{5!}{5}$$

$$152 = 5! + \left(\frac{5 + 5}{5}\right)^5$$

153 : not found.

$$154 = 5 + 5 + 5! + \frac{5!}{5}$$

$$155 = 5 + 5 \times (5 + 5 \times 5)$$

156 : not found.

157 : not found.

158 : not found.

$$159 = \frac{\left(\sqrt{\sqrt{5}} + \sqrt{\sqrt{5}}\right)^5 - \sqrt{\sqrt{5}}}{\sqrt{\sqrt{5}}}$$

$$160 = 5 + 5 \times 55 - 5!$$

$$161 = \frac{\sqrt{\sqrt{5}} + \left(\sqrt{\sqrt{5}} + \sqrt{\sqrt{5}}\right)^5}{\sqrt{\sqrt{5}}}$$

162 : not found.

$$163 = 5! + \frac{5! + 5!}{5} - 5$$

164 : not found.

$$165 = 5! + 55 - (5 + 5)$$

166 : not found.

$$167 = 5! + \frac{5! + 5! - 5}{5}$$

$$168 = \frac{5! + \left(5 + \dfrac{5}{5}\right)!}{5}$$

$$169 = 5! + 5 \times 5 + \frac{5!}{5}$$

$$170 = 5! + 5 \times 5 + 5 \times 5$$

171 : not found.

172 : not found.

$$173 = 5 + 5! + \frac{5! + 5!}{5}$$

$$174 = 5! + 55 - \frac{5}{5}$$

$$175 = 5 \times (5 + 5 + 5 \times 5)$$

$$176 = 5! + 55 + \frac{5}{5}$$

177 : not found.

178 : not found.

179 : not found.

$$180 = 55 + 5 \times 5 \times 5$$

181 : not found.

182 : not found.

183 : not found.

184 : not found.

$$185 = 5 + 5 + 5! + 55$$

186 : not found.

187 : not found.

188 : not found.

189 : not found.

$$190 = 5 + 5! + 5! - 55$$

191 : not found.

$$192 = 5! + \frac{5! + 5! + 5!}{5}$$

193 : not found.

194 : not found.

$$195 = 5! + 5 \times (5 + 5 + 5)$$

196 : not found.

197 : not found.

198 : not found.

$$199 = 5! + 55 + \frac{5!}{5}$$

$$200 = (5 + 5) \times (5 \times 5 - 5)$$

201 : not found.

202 : not found.

203 : not found.

204 : not found.

$$205 = 5 \times (5! - 55) - 5!$$

206 : not found.

207 : not found.

208 : not found.

209 : not found.

$$210 = 5! + 5! - (5 + 5 \times 5)$$

$$211 = 5! + 5! - \left(5 + \frac{5!}{5}\right)$$

212 : not found.

213 : not found.

214 : not found.

$$215 = 5! + 5 \times \left(\frac{5!}{5} - 5\right)$$

$$216 = \frac{5! \times (5 + 5) - 5!}{5}$$

$$217 = 5! + 5! + \frac{5 - 5!}{5}$$

218 : not found.

219 : not found.

$$220 = 5 \times 55 - 55$$

$$221 = 5 + 5! + 5! - \frac{5!}{5}$$

222 : not found.

223 : not found.

224 : not found.

$$225 = 5 \times (55 - (5 + 5))$$

226 : not found.

227 : not found.

$$228 = 5! + 5! - \frac{5!}{5+5}$$

$$229 = 5! + 5! - \frac{55}{5}$$

$$230 = 5! + 55 + 55$$

$$231 = 5! + \frac{555}{5}$$

232 : not found.

233 : not found.

$$234 = 5! + 5! - \left(5 + \frac{5}{5}\right)$$

$$235 = 5! \times \frac{5+5}{5} - 5$$

$$236 = 5! + 5! + \frac{5}{5} - 5$$

237 : not found.

$$238 = 5! + 5! - \frac{5+5}{5}$$

$$239 = \frac{5! \times (5+5) - 5}{5}$$

$$240 = 5! + 5 \times 5 \times 5 - 5$$

$$241 = \frac{5 + 5! \times (5+5)}{5}$$

$$242 = 5! + 5! + \frac{5+5}{5}$$

$$243 = \left(\frac{5+5+5}{5}\right)^5$$

$$244 = 5 + 5! + 5! - \frac{5}{5}$$

$$245 = 5 \times (55 - 5) - 5$$

$$246 = 5 + 5! + 5! + \frac{5}{5}$$

247 : not found.

248 : not found.

249 : not found.

$$250 = 5 \times 55 - 5 \times 5$$

$$251 = 5 \times 55 - \frac{5!}{5}$$

$$252 = 5! + 5! + \frac{5!}{5+5}$$

253 : not found.

254 : not found.

$$255 = 5 + 5 \times (55 - 5)$$

256 : not found.

257 : not found.

258 : not found.

$$259 = 5! + 5! + \frac{5!}{5} - 5$$

$260 = 5! + 5! + 5 \times 5 - 5$

261 : not found.

262 : not found.

$263 = 5! + 5! + \dfrac{5! - 5}{5}$

$264 = 5! \times \dfrac{55}{5 \times 5}$

$265 = 5 \times 55 - (5 + 5)$

266 : not found.

267 : not found.

268 : not found.

$269 = 5 + 5! + 5! + \dfrac{5!}{5}$

$270 = 5 \times \left(55 - \dfrac{5}{5} \right)$

271 : not found.

272 : not found.

273 : not found.

$274 = 5 \times 55 - \dfrac{5}{5}$

$275 = 5 + 5 \times 55 - 5$

$276 = \dfrac{5}{5} + 5 \times 55$

277 : not found.

278 : not found.

279 : not found.

$280 = 5 \times \left(55 + \dfrac{5}{5} \right)$

281 : not found.

282 : not found.

283 : not found.

284 : not found.

$285 = 5 + 5 + 5 \times 55$

286 : not found.

287 : not found.

$288 = 5! \times \dfrac{5!}{55 - 5}$

289 : not found.

$290 = (5 + 5) \times \left(5 + \dfrac{5!}{5} \right)$

291 : not found.

292 : not found.

293 : not found.

294 : not found.

$295 = 5 \times (5 + 55) - 5$

296 : not found.

297 : not found.

298 : not found.

$299 = \dfrac{5!}{5} + 5 \times 55$

$300 = 5 \times 5 + 5 \times 55$

301 : not found.

302 : not found.

303 : not found.

304 : not found.

$305 = 5 + 5 \times (5 + 55)$

306 : not found.

307 : not found.

308 : not found.

309 : not found.

310 : not found.

311 : not found.

$312 = \dfrac{5^5 - 5}{5 + 5}$

$313 = \dfrac{5 + 5^5}{5 + 5}$

314 : not found.

$315 = 555 - (5! + 5!)$

316 : not found.

317 : not found.

318 : not found.

319 : not found.

$320 = 5 \times (5! - 55) - 5$

321 : not found.

322 : not found.

323 : not found.

324 : not found.

$325 = 5 \times (5 + 5 + 55)$

326 : not found.

327 : not found.

328 : not found.

329 : not found.

$330 = 55 + 5 \times 55$

331 : not found.

332 : not found.

333 : not found.

334 : not found.

$335 = 5! + 5! + 5! - 5 \times 5$

$$336 = \dfrac{\left(\dfrac{5!}{5+5+5} \right)!}{5!}$$

337 : not found.

338 : not found.

339 : not found.

340 : not found.

341 : not found.

342 : not found.

343 : not found.

344 : not found.

345 : not found.

346 : not found.

347 : not found.

348 : not found.

349 : not found.

$$350 = 5 \times (5 + 5! - 55)$$

351 : not found.

352 : not found.

353 : not found.

354 : not found.

$$355 = 5 \times (5! - 5 \times 5) - 5!$$

356 : not found.

357 : not found.

358 : not found.

$$359 = 5! + 5! + 5! - \dfrac{5}{5}$$

$$360 = 5! \times \dfrac{5+5+5}{5}$$

$$361 = 5! + 5! + 5! + \dfrac{5}{5}$$

362 : not found.

363 : not found.

364 : not found.

$$365 = 5! + 5! + 5 \times 5 \times 5$$

366 : not found.

367 : not found.

368 : not found.

369 : not found.

$$370 = 5! + 5 \times (55 - 5)$$

371 : not found.

372 : not found.

373 : not found.

374 : not found.

$375 = 5 \times 5 \times (5 + 5 + 5)$

376 : not found.

377 : not found.

378 : not found.

379 : not found.

380 : not found.

381 : not found.

382 : not found.

383 : not found.

$384 = 5! + 5! + 5! + \dfrac{5!}{5}$

$385 = 5! + 5! + 5! + 5 \times 5$

386 : not found.

387 : not found.

388 : not found.

389 : not found.

$390 = 5! + 5 \times 55 - 5$

391 : not found.

392 : not found.

393 : not found.

394 : not found.

$395 = 5 \times \left(55 + \dfrac{5!}{5}\right)$

396 : not found.

397 : not found.

398 : not found.

399 : not found.

$400 = 5 \times (55 + 5 \times 5)$

401 : not found.

402 : not found.

403 : not found.

404 : not found.

405 : not found.

406 : not found.

407 : not found.

408 : not found.

409 : not found.

410 : not found.

411 : not found.

412 : not found.

413 : not found.

414 : not found.

$415 = 5! + 5! + 5! + 55$

416 : not found.

417 : not found.

418 : not found.

419 : not found.

$420 = 5! + 5 \times (5 + 55)$

421 : not found.

422 : not found.

423 : not found.

424 : not found.

$425 = 5 \times 5! - (5! + 55)$

426 : not found.

427 : not found.

428 : not found.

429 : not found.

$430 = 555 - (5 + 5!)$

431 : not found.

432 : not found.

433 : not found.

434 : not found.

$435 = 555 - \sqrt{5 \times 5!}$

436 : not found.

437 : not found.

438 : not found.

439 : not found.

$440 = 5 + 555 - 5!$

441 : not found.

442 : not found.

443 : not found.

444 : not found.

$445 = 5! + 5 \times (5! - 55)$

446 : not found.

447 : not found.

448 : not found.

449 : not found.

$450 = 5 \times (5! - (5 + 5 \times 5))$

451 : not found.

452 : not found.

453 : not found.

454 : not found.

$455 = 5 \times 5! - (5! + 5 \times 5)$

$$456 = 5! \times \dfrac{\dfrac{5!}{5} - 5}{5}$$

457 : not found.

458 : not found.

459 : not found.

$$460 = (5 - 5!) \times \left(\dfrac{5}{5} - 5 \right)$$

461 : not found.

462 : not found.

463 : not found.

464 : not found.

465 : not found.

466 : not found.

467 : not found.

468 : not found.

469 : not found.

$$470 = 5 \times (5! - 5 \times 5) - 5$$

471 : not found.

472 : not found.

473 : not found.

474 : not found.

$$475 = 5 \times 5! - 5 \times 5 \times 5$$

476 : not found.

477 : not found.

478 : not found.

$$479 = 5 \times 5! - \left(5! + \dfrac{5}{5} \right)$$

$$480 = 5 + 5 \times (5! - 5 \times 5)$$

$$481 = 5 \times 5! + \dfrac{5}{5} - 5!$$

482 : not found.

483 : not found.

484 : not found.

$$485 = 5 + 5! \times \left(5 - \dfrac{5}{5} \right)$$

486 : not found.

487 : not found.

488 : not found.

489 : not found.

$$490 = 5 + 5 + 5 \times 5! - 5!$$

491 : not found.

492 : not found.

493 : not found.

494 : not found.

495 : not found.

496 : not found.

497 : not found.

498 : not found.

499 : not found.

$500 = 555 - 55$

501 : not found.

502 : not found.

503 : not found.

$504 = \dfrac{5^5 - 5}{5} - 5!$

$505 = 5 \times 5 \times 5 \times 5 - 5!$

$506 = \dfrac{5 + 5^5}{5} - 5!$

507 : not found.

508 : not found.

509 : not found.

$510 = 5 + 5 \times (5 + 5!) - 5!$

511 : not found.

512 : not found.

513 : not found.

514 : not found.

$515 = 5! + 5! + 5 \times 55$

516 : not found.

517 : not found.

518 : not found.

519 : not found.

$520 = 5 \times (5! - 5) - 55$

521 : not found.

522 : not found.

523 : not found.

524 : not found.

$525 = 5 \times (5! - (5 + 5 + 5))$

526 : not found.

527 : not found.

528 : not found.

$529 = \dfrac{5! + 5^5}{5} - 5!$

$530 = 555 - 5 \times 5$

$531 = 555 - \dfrac{5!}{5}$

532 : not found.

533 : not found.

534 : not found.

$535 = 55 + 5 \times 5! - 5!$

536 : not found.

537 : not found.

538 : not found.

539 : not found.

$540 = 5 \times 5! - (5 + 55)$

541 : not found.

542 : not found.

543 : not found.

544 : not found.

$545 = 555 - (5 + 5)$

546 : not found.

547 : not found.

548 : not found.

549 : not found.

$550 = 5 \times (55 + 55)$

$551 = 5 \times (5! - 5) - \dfrac{5!}{5}$

$552 = 5! \times \dfrac{5! - 5}{5 \times 5}$

553 : not found.

$554 = 555 - \dfrac{5}{5}$

$555 = 5 + 555 - 5$

$556 = \dfrac{5}{5} + 555$

557 : not found.

558 : not found.

559 : not found.

$560 = \sqrt{5 \times 5} + 555$

561 : not found.

562 : not found.

563 : not found.

564 : not found.

$565 = 5 + 5 + 555$

566 : not found.

567 : not found.

568 : not found.

569 : not found.

$570 = 5 \times (5 + 5!) - 55$

$$571 = 5 \times 5! - \left(5 + \frac{5!}{5}\right)$$

572 : not found.

573 : not found.

$$574 = 5 \times (5! - 5) - \frac{5}{5}$$

$$575 = 5 \times (5 + 5! - (5 + 5))$$

$$576 = \frac{5}{5} + 5 \times (5! - 5)$$

$$577 = 5 \times 5! + \frac{5 - 5!}{5}$$

578 : not found.

$$579 = \frac{5!}{5} + 555$$

$$580 = 5 \times 5 + 555$$

$$581 = 5 + 5 \times 5! - \frac{5!}{5}$$

582 : not found.

583 : not found.

584 : not found.

$$585 = 5 + 5 + 5 \times (5! - 5)$$

586 : not found.

587 : not found.

$$588 = 5 \times 5! - \frac{5!}{5 + 5}$$

$$589 = 5 \times 5! - \frac{55}{5}$$

$$590 = 5 \times \left(5! - \frac{5 + 5}{5}\right)$$

591 : not found.

592 : not found.

593 : not found.

$$594 = 5 \times 5! - \left(5 + \frac{5}{5}\right)$$

$$595 = 5 + 5 \times 5! - (5 + 5)$$

$$596 = 5 \times 5! + \frac{5}{5} - 5$$

597 : not found.

$$598 = 5 \times 5! - \frac{5 + 5}{5}$$

$$599 = 5 \times \left(5! - \frac{5}{5 \times 5}\right)$$

$$600 = (5 + 5) \times (5 + 55)$$

$$601 = 5 \times \left(5! + \frac{5}{5 \times 5}\right)$$

$$602 = 5 \times 5! + \frac{5 + 5}{5}$$

603 : not found.

$604 = 5 + 5 \times 5! - \dfrac{5}{5}$

$605 = 55 \times \dfrac{55}{5}$

$606 = 5 + 5 \times 5! + \dfrac{5}{5}$

607 : not found.

608 : not found.

609 : not found.

$610 = 55 + 555$

$611 = 5 \times 5! + \dfrac{55}{5}$

$612 = 5 \times 5! + \dfrac{5!}{5 + 5}$

613 : not found.

$614 = \dfrac{5^5 - 55}{5}$

$615 = 5 + 5 + 5 + 5 \times 5!$

616 : not found.

617 : not found.

618 : not found.

$619 = \dfrac{5^5 - 5}{5} - 5$

$620 = 5 \times 5 \times 5 \times 5 - 5$

$621 = \dfrac{5 + 5^5}{5} - 5$

622 : not found.

$623 = \dfrac{5^5 - (5 + 5)}{5}$

$624 = 5 \times (5 + 5!) - \dfrac{5}{5}$

$625 = 5 + 5 \times (5 + 5!) - 5$

$626 = \dfrac{5}{5} + 5 \times (5 + 5!)$

$627 = \dfrac{5 + 5 + 5^5}{5}$

628 : not found.

$629 = 5 + \dfrac{5^5 - 5}{5}$

$630 = 5 + 5 \times 5 \times 5 \times 5$

$631 = 5 + \dfrac{5 + 5^5}{5}$

632 : not found.

633 : not found.

634 : not found.

$635 = 5 + 5 + 5 \times (5 + 5!)$

$$636 = \frac{55 + 5^5}{5}$$

637 : not found.

638 : not found.

639 : not found.

640 : not found.

641 : not found.

642 : not found.

643 : not found.

$$644 = \frac{5! + 5^5}{5} - 5$$

$$645 = 5 \times (5 + 5 + 5!) - 5$$

646 : not found.

647 : not found.

$$648 = \frac{5! + 5^5 - 5}{5}$$

$$649 = \frac{5!}{5} + 5 \times (5 + 5!)$$

$$650 = 5 \times (5 + 5 \times 5 \times 5)$$

651 : not found.

652 : not found.

653 : not found.

$$654 = 5 + \frac{5! + 5^5}{5}$$

$$655 = 5 + 5 \times (5 + 5 + 5!)$$

656 : not found.

657 : not found.

658 : not found.

659 : not found.

$$660 = 5 + 55 + 5 \times 5!$$

661 : not found.

662 : not found.

663 : not found.

664 : not found.

$$665 = \left(5 + \frac{5}{5}\right)! - 55$$

666 : not found.

667 : not found.

668 : not found.

669 : not found.

$$670 = 5! + 555 - 5$$

671 : not found.

672 : not found.

$$673 = \frac{5! + 5! + 5^5}{5}$$

674 : not found.

$$675 = 5 \times (5 + 5 + 5 + 5!)$$

676 : not found.

677 : not found.

678 : not found.

679 : not found.

$$680 = 5 + 5! + 555$$

681 : not found.

682 : not found.

683 : not found.

684 : not found.

685 : not found.

686 : not found.

687 : not found.

688 : not found.

689 : not found.

$$690 = (5! - 5) \times \left(5 + \frac{5}{5}\right)$$

691 : not found.

692 : not found.

693 : not found.

694 : not found.

$$695 = \left(5 + \frac{5}{5}\right)! - 5 \times 5$$

$$696 = \left(5 + \frac{5}{5}\right)! - \frac{5!}{5}$$

697 : not found.

698 : not found.

699 : not found.

$$700 = 5 \times (5! + 5 \times 5 - 5)$$

701 : not found.

702 : not found.

703 : not found.

704 : not found.

705 : not found.

706 : not found.

707 : not found.

708 : not found.

709 : not found.

$$710 = \left(5 + \frac{5}{5}\right)! - (5 + 5)$$

711 : not found.

712 : not found.

713 : not found.

714 : not found.

$715 = \left(\dfrac{55}{5} - 5 \right)! - 5$

716 : not found.

717 : not found.

718 : not found.

$719 = \left(5 + \dfrac{5}{5} \right)! - \dfrac{5}{5}$

$720 = \left(5 + \dfrac{55}{55} \right)!$

$721 = \dfrac{5}{5} + \left(5 + \dfrac{5}{5} \right)!$

722 : not found.

723 : not found.

724 : not found.

$725 = 5 + \left(\dfrac{55}{5} - 5 \right)!$

726 : not found.

727 : not found.

728 : not found.

729 : not found.

$730 = 5 + 5 + \left(5 + \dfrac{5}{5} \right)!$

731 : not found.

732 : not found.

733 : not found.

734 : not found.

735 : not found.

736 : not found.

737 : not found.

738 : not found.

739 : not found.

$740 = 5! + 5 \times (5 + 5!) - 5$

741 : not found.

742 : not found.

743 : not found.

$744 = 5! + \dfrac{5^5 - 5}{5}$

$745 = 5 \times 5 + \left(5 + \dfrac{5}{5} \right)!$

$$746 = 5! + \frac{5 + 5^5}{5}$$

747 : not found.

748 : not found.

749 : not found.

$$750 = 5 \times 5 \times (5 + 5 \times 5)$$

751 : not found.

752 : not found.

753 : not found.

754 : not found.

$$755 = 5 \times (5! + 55) - 5!$$

756 : not found.

757 : not found.

758 : not found.

759 : not found.

760 : not found.

761 : not found.

762 : not found.

763 : not found.

764 : not found.

765 : not found.

766 : not found.

767 : not found.

$$768 = \frac{\left(\sqrt{\sqrt{5!}} + \sqrt{\sqrt{5!}}\right)^5}{\sqrt{\sqrt{5!}} \times 5}$$

$$769 = 5! + \frac{5! + 5^5}{5}$$

$$770 = 5! + 5 \times (5 + 5 + 5!)$$

771 : not found.

772 : not found.

773 : not found.

774 : not found.

$$775 = 55 + \left(5 + \frac{5}{5}\right)!$$

776 : not found.

777 : not found.

778 : not found.

779 : not found.

780 : not found.

781 : not found.

782 : not found.

783 : not found.

784 : not found.

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786 : not found.

787 : not found.

788 : not found.

789 : not found.

790 : not found.

791 : not found.

792 : not found.

793 : not found.

794 : not found.

$795 = 5! + 5! + 555$

796 : not found.

797 : not found.

798 : not found.

$$799 = \frac{\left(\sqrt{5} + \sqrt{5}\right)^5 - \sqrt{5}}{\sqrt{5}}$$

$$800 = \frac{(5 + 5)^5}{5 + 5!}$$

$$801 = \frac{\sqrt{5} + \left(\sqrt{5} + \sqrt{5}\right)^5}{\sqrt{5}}$$

802 : not found.

803 : not found.

804 : not found.

$$805 = 5 + \frac{\left(\sqrt{5} + \sqrt{5}\right)^5}{\sqrt{5}}$$

806 : not found.

807 : not found.

808 : not found.

809 : not found.

810 : not found.

811 : not found.

812 : not found.

813 : not found.

814 : not found.

$815 = 5! + 5! + 5 \times (5! - 5)$

816 : not found.

817 : not found.

818 : not found.

819 : not found.

820 : not found.

821 : not found.

822 : not found.

823 : not found.

824 : not found.

$825 = 55 \times (5 + 5 + 5)$

826 : not found.

827 : not found.

828 : not found.

829 : not found.

830 : not found.

831 : not found.

832 : not found.

833 : not found.

834 : not found.

$835 = 5! + \left(5 + \dfrac{5}{5}\right)! - 5$

836 : not found.

837 : not found.

838 : not found.

839 : not found.

$840 = 5! \times \left(5 + \dfrac{5 + 5}{5}\right)$

841 : not found.

842 : not found.

843 : not found.

844 : not found.

$845 = 5 + 5! + \left(5 + \dfrac{5}{5}\right)!$

846 : not found.

847 : not found.

848 : not found.

849 : not found.

$850 = 5 \times (5! + 55 - 5)$

851 : not found.

852 : not found.

853 : not found.

854 : not found.

855 : not found.

856 : not found.

857 : not found.

858 : not found.

859 : not found.

860 : not found.

861 : not found.

862 : not found.

863 : not found.

864 : not found.

$865 = 5! + 5! + 5 \times (5 + 5!)$

866 : not found.

867 : not found.

868 : not found.

869 : not found.

$870 = 5 \times (5! + 55) - 5$

871 : not found.

872 : not found.

873 : not found.

874 : not found.

$875 = 5 \times 5! + 5 \times 55$

876 : not found.

877 : not found.

878 : not found.

879 : not found.

$880 = 5 + 5 \times (5! + 55)$

881 : not found.

882 : not found.

883 : not found.

884 : not found.

885 : not found.

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887 : not found.

888 : not found.

889 : not found.

890 : not found.

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893 : not found.

894 : not found.

895 : not found.

896 : not found.

897 : not found.

898 : not found.

899 : not found.

$900 = 5 \times (5 + 5! + 55)$

901 : not found.

902 : not found.

903 : not found.

$$904 = \left(5 - \frac{5}{5}\right)^5 - 5!$$

905 : not found.

906 : not found.

907 : not found.

908 : not found.

909 : not found.

910 : not found.

911 : not found.

912 : not found.

913 : not found.

914 : not found.

915 : not found.

916 : not found.

917 : not found.

918 : not found.

919 : not found.

$$920 = 5! + \frac{\left(\sqrt{5} + \sqrt{5}\right)^5}{\sqrt{5}}$$

921 : not found.

922 : not found.

923 : not found.

924 : not found.

$$925 = 5 \times (5! + 5! - 55)$$

926 : not found.

927 : not found.

928 : not found.

929 : not found.

930 : not found.

931 : not found.

932 : not found.

933 : not found.

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943 : not found.

944 : not found.

945 : not found.

946 : not found.

947 : not found.

948 : not found.

949 : not found.

$950 = (5 + 5) \times (5! - 5 \times 5)$

951 : not found.

952 : not found.

953 : not found.

954 : not found.

955 : not found.

956 : not found.

957 : not found.

958 : not found.

959 : not found.

$960 = 5! \times \dfrac{5!}{5 + 5 + 5}$

961 : not found.

962 : not found.

963 : not found.

964 : not found.

965 : not found.

966 : not found.

967 : not found.

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980 : not found.

981 : not found.

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984 : not found.

985 : not found.

986 : not found.

987 : not found.

988 : not found.

989 : not found.

990 : not found.

991 : not found.

992 : not found.

993 : not found.

994 : not found.

$995 = 5! + 5 \times (5! + 55)$

996 : not found.

997 : not found.

998 : not found.

999 : not found.

$1000 = \sqrt{5+5}^{5+\frac{5}{5}}$

Found 370 in 1001. Elapsed 189.667 seconds.