**octave:11>** log(2)

ans = 0.69315

**octave:12>** suamae=10

suamae = 10

**octave:13>** log(suamae)

ans = 2.3026

**octave:14>** clear

**octave:15>** A= [ 1,3,4,4,5; 3,4,5,6,7]

A =

1 3 4 4 5

3 4 5 6 7

**octave:16>** B = [ 16 3 2 13 ; 5 10 11 8 ; 9 6 7 12 ; 4 15 14 1 ]

B =

16 3 2 13

5 10 11 8

9 6 7 12

4 15 14 1

**octave:17>** sum(B)

ans =

34 34 34 34

**octave:18>** a = sum(B)

a =

34 34 34 34

**octave:19>** sum(a)

ans = 136

**octave:20>** BT = B'

BT =

16 5 9 4

3 10 6 15

2 11 7 14

13 8 12 1

**octave:21>** sum(BT

> **>** )

ans =

34 34 34 34

**octave:22>** diag(B)

ans =

16

10

7

1

**octave:23>** sum(diag(B))

ans = 34

**octave:24>** A(1,4)

ans = 4

**octave:25>** B(1,4)

ans = 13

**octave:26>** B(1,4)+B(2,4)+B(3,4)+B(4,4)

ans = 34

**octave:27>**

**octave:27>**

**octave:27>** B(4,5)=17

B =

16 3 2 13 0

5 10 11 8 0

9 6 7 12 0

4 15 14 1 17

**octave:28>** for x 1:4:

*parse error:*

*syntax error*

*>>> for x 1:4:*

*^*

**octave:28>** for i 1:4

*parse error:*

*syntax error*

*>>> for i 1:4*

*^*

**octave:28>**

**octave:28>** for i = 1:4

> **>** B(i,4)

> **>** end

ans = 13

ans = 8

ans = 12

ans = 1

**octave:29>** for i = 1:4

> **>** x = 0

> **>** X = x + B(i,4)

> **>** end

x = 0

X = 13

x = 0

X = 8

x = 0

X = 12

x = 0

X = 1

**octave:30>** for i = 1:4

> **>** x = 0

> **>** x = x + B(i,4)

> **>** end

x = 0

x = 13

x = 0

x = 8

x = 0

x = 12

x = 0

x = 1

**octave:31>** x

x = 1

**octave:32>** magic(4)

ans =

16 2 3 13

5 11 10 8

9 7 6 12

4 14 15 1

**octave:33>** B(1:4,4)

ans =

13

8

12

1

**octave:34>** sum(B(1:4,4))

ans = 34

**octave:35>** sum(magic(5))

ans =

65 65 65 65 65

**octave:36>** sum(magic(5'))

ans =

65 65 65 65 65

**octave:37>** magic(20)

ans =

Columns 1 through 13:

400 2 3 397 396 6 7 393 392 10 11 389 388

21 379 378 24 25 375 374 28 29 371 370 32 33

41 359 358 44 45 355 354 48 49 351 350 52 53

340 62 63 337 336 66 67 333 332 70 71 329 328

320 82 83 317 316 86 87 313 312 90 91 309 308

101 299 298 104 105 295 294 108 109 291 290 112 113

121 279 278 124 125 275 274 128 129 271 270 132 133

260 142 143 257 256 146 147 253 252 150 151 249 248

240 162 163 237 236 166 167 233 232 170 171 229 228

181 219 218 184 185 215 214 188 189 211 210 192 193

201 199 198 204 205 195 194 208 209 191 190 212 213

180 222 223 177 176 226 227 173 172 230 231 169 168

160 242 243 157 156 246 247 153 152 250 251 149 148

261 139 138 264 265 135 134 268 269 131 130 272 273

281 119 118 284 285 115 114 288 289 111 110 292 293

100 302 303 97 96 306 307 93 92 310 311 89 88

80 322 323 77 76 326 327 73 72 330 331 69 68

341 59 58 344 345 55 54 348 349 51 50 352 353

361 39 38 364 365 35 34 368 369 31 30 372 373

20 382 383 17 16 386 387 13 12 390 391 9 8

Columns 14 through 20:

14 15 385 384 18 19 381

367 366 36 37 363 362 40

347 346 56 57 343 342 60

74 75 325 324 78 79 321

94 95 305 304 98 99 301

287 286 116 117 283 282 120

267 266 136 137 263 262 140

154 155 245 244 158 159 241

174 175 225 224 178 179 221

207 206 196 197 203 202 200

187 186 216 217 183 182 220

234 235 165 164 238 239 161

254 255 145 144 258 259 141

127 126 276 277 123 122 280

107 106 296 297 103 102 300

314 315 85 84 318 319 81

334 335 65 64 338 339 61

47 46 356 357 43 42 360

27 26 376 377 23 22 380

394 395 5 4 398 399 1

**octave:38>** sum(magic(20))

ans =

Columns 1 through 11:

4010 4010 4010 4010 4010 4010 4010 4010 4010 4010 4010

Columns 12 through 20:

4010 4010 4010 4010 4010 4010 4010 4010 4010

**octave:39>** h

*error: 'h' undefined near line 1 column 1*

**octave:39>** pi

ans = 3.1416

**octave:40>** euler

*warning: the 'euler' function belongs to the symbolic package from Octave Forge*

*but has not yet been implemented.*

*Please read <http://www.octave.org/missing.html> to learn how you can*

*contribute missing functionality.*

*error: 'euler' undefined near line 1 column 1*

**octave:40>** i

i = 4

**octave:41>** i

i = 4

**octave:42>** clear(i)

**octave:43>**

**octave:43>** i retorna número irracional.

*parse error:*

*syntax error*

*>>> i retorna número irracional.*

*^*

**octave:43>** zeros(1,4)

ans =

0 0 0 0

**octave:44>** zeros(4,4)

ans =

0 0 0 0

0 0 0 0

0 0 0 0

0 0 0 0

**octave:45>** ones(3,5)

ans =

1 1 1 1 1

1 1 1 1 1

1 1 1 1 1

**octave:46>** rand(3,3)

ans =

0.74697 0.86950 0.13590

0.43244 0.16376 0.40327

0.21869 0.77616 0.18275

**octave:47>** b = [rand(2,2) ; rand(2,2)

> **>** ]

b =

0.96364 0.45894

0.80476 0.85678

0.81794 0.76844

0.58669 0.75622

**octave:48>** b = [rand(2,2) rand(2,2)]

b =

0.93537 0.86622 0.38009 0.81210

0.32998 0.63183 0.30921 0.51603

**octave:49>** F = [5 6 ; 4 3 ]

F =

5 6

4 3

**octave:50>** B = [5 ; 3]

B =

5

3

**octave:51>**

**octave:51>** G = [4 -3 ; 7 8]

G =

4 -3

7 8

**octave:52>** %i retorna número irracional.

**octave:52>** B + G

ans =

9 2

10 11

**octave:53>** F \* G

ans =

62 33

37 12

**octave:54>** F \* .C

*parse error:*

*syntax error*

*>>> F \* .C*

*^*

**octave:54>** F \*. C

*parse error:*

*syntax error*

*>>> F \*. C*

*^*

**octave:54>** F \* . C

*parse error:*

*syntax error*

*>>> F \* . C*

*^*

**octave:54>** F . \* C

*parse error:*

*syntax error*

*>>> F . \* C*

*^*

**octave:54>** F .\* C

*error: 'C' undefined near line 1 column 6*

**octave:54>** F .\* G

ans =

20 -18

28 24

**octave:55>** F / G

ans =

-0.037736 0.735849

0.207547 0.452830

**octave:56>** inv(F)

ans =

-0.33333 0.66667

0.44444 -0.55556

**octave:57>** inv(F) \* G

ans =

3.3333 6.3333

-2.1111 -5.7778

**octave:58>** F \* inv(G)

ans =

-0.037736 0.735849

0.207547 0.452830

**octave:59>** G ^2

ans =

-5 -36

84 43

**octave:60>** C .^ 2

*error: 'C' undefined near line 1 column 1*

**octave:60>** F .^ 2 %elevando, 1 a 1, os elementos da matriz.

ans =

25 36

16 9

**octave:61>** F \* inf(F)

*error: Inf (A): use Inf (size (A)) instead*

**octave:61>** F \* inv(F)

ans =

1.0000e+00 4.4409e-16

2.2204e-16 1.0000e+00

**octave:62>** G \* inv(G)

ans =

1 0

0 1