

```

VMMAKEGV[[]]▽
[0] MAKEGV F;M;C;D;E
[1] A make a .gv and .pdf file from Grail file named in F
[2] OPEN F, '.txt'
[3] M←READ
[4] CLOSE
[5] C←~1 0+[]AV[3]MATRIFY M
[6] D←DELDEAD C
[7] E←GRAILTOGV D
[8] CREATE F, '.gv'
[9] WRITE E
[10] CLOSE
[11] C+[]SH'/usr/local/bin/dot -Tpdf -shallit/Desktop/',F, '.gv > -shallit/Desktop/',F, '.pdf'

```

```

VMMAKEGVPDF[[]]▽
[0] MAKEGVPDF F;M;C;D;E
[1] A make a .gv and .pdf file from Grail file named in F
[2] OPEN F, '.txt'
[3] M←READ
[4] CLOSE
[5] C←~1 0+[]AV[3]MATRIFY M
[6] D←DELDEAD C
[7] E←GRAILTOGV D
[8] CREATE F, '.gv'
[9] WRITE E
[10] CLOSE
[11] C+[]SH'/usr/local/bin/dot -Tpdf -shallit/Desktop/',F, '.gv > -shallit/Desktop/',F, '.pdf'

```

```

VMMAKEMAPLE[[]]▽
[0] MAKEMAPLE F;M;C
[1] OPEN F, '.txt'
[2] M←READ
[3] CLOSE
[4] C←GRAILTOMAPLE M
[5] CREATE F, 'maple.txt'
[6] WRITE C
[7] CLOSE

```

```

VMMATRIFY[[]]▽
[0] Z←C MATRIFY X;I;D
[1] I←(X=C)/1ρX
[2] D←(I,1+ρX)-1+0,I
[3] Z←((ρD),[ /D)ρ(,D= .≥1[ /D)\,(X≠C)/X

```