

Dyalog APL/W-64 Version 18.2.45405

Serial number: 508917 - not for commercial use

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+-----+
| Dyalog is free for non-commercial use but is not free software. |
| A basic licence can be used for experiments and proof of       |
| concept until the point in time that it is of value.           |
| For further information visit                                   |
| https://www.dyalog.com/prices-and-licences.htm                 |
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Wed Oct 26 14:48:22 2022

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Wed Oct 26 14:51:02 2022

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+-----+
```

Wed Sep 27 15:06:37 2023

1+3

4

5÷3

1.666666667

A←3 5 2 4 2 6 9

A[⍋]

SYNTAX ERROR

A[⍋]

^

A[⍋A]

2 2 3 4 5 6 9

(+/X)÷pX←□

□:

3 1 0 2 8 3 1 98 3 2 3 5

10.75

5*2

25

⁻5*0.5

0J2.236067977

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+-----+
```

Wed Oct 23 11:33:08 2024

```
      5+3
8
      +3
3
      5×3+3
30
      1÷3
0.3333333333
      5-1-3
7
      -2
-2
      -2×-5
10
      -2+-3
1
      -2+^-3
-5
      3*2
9
      0*5
0
      0*2
0
      0*1
0
      0*0
1
      0*^-1
DOMAIN ERROR
      0*^-1
      ^
      5*0.5
2.236067977
      ^5*0.5
0J2.236067977
      ^1*1÷3
0.5J0.8660254038
      o1
3.141592654
      o0.5
1.570796327
      o10
31.41592654
      oo1
```

```

9.869604401
  o
o
  1001÷6
0.5
  2001÷6
0.8660254038
  ^100.5
0.5235987756
  ^101
1.570796327
  ^02
SYNTAX ERROR
  ^02
  ^
  ^102
1.570796327J^-1.316957897
  !5
120

  !0
1
  !0.5
0.8862269255
  !0J1
0.4980156681J^-0.1549498283
  !^-1
DOMAIN ERROR
  !^-1
  ^
  *10
2.302585093
  10*1000
3
  5*15625
6
  0J2*10
0.5414210824J^-1.226957667
  0J1*10
0J^-1.465871198
  *1
2.718281828
  *10
22026.46579
  X←10
  X
10
  pX

  Y←1 5 7 9 3
  Y
1 5 7 9 3

```

```

    pY
5
    Y←2 3p1 6 10 12 7 5
    Y
1 6 10
12 7 5
    pY
2 3
    ppY
2
    ppX
0
    XX←1p10
    XX
10
    X
10
    pX

    pXX
1
    ppX
0
    ppXX
1
    pXX
1
    Z←1 7 5 'H' 3.2 'Hi There'
    Z
1 7 5 H 3.2 Hi There
    ppZ
1
    pZ
6
    Q←'Hi There'
    ppQ
1
    pQ
8
    DISPLAY Q
VALUE ERROR: Undefined name: DISPLAY
    DISPLAY Q
    ^
    Z
1 7 5 H 3.2 Hi There
    Z[3]
5
    ppZ[3]
0
    Z[4]
H
    Z[6]

```

```

Hi There
  Z[6][4]
RANK ERROR
  Z[6][4]
    ^
  Z[1 3 5]
1 5 3.2
  ι5
1 2 3 4 5
  Z[ι(ρZ)-1]
1 7 5 H 3.2
  INDEX←2 3ρ1 6 3 4 4 4
  INDEX
1 6 3
4 4 4
  Z[INDEX]
1 Hi There 5
H H      H
  Z[6]
Hi There
  ρρZ[6]
0
  Z[6]
Hi There
  ρZ[6]
Hi There
  ρZ[6]

  ρρZ[6]
8
  (ρZ[6])[4]
T
  Y
1 6 10
12 7 5
  Y[2;1]
12
  Y[1;2]
6
  Y[1;]
1 6 10
  Y[;3]
10 5
  ρρY[;3]
1
  2 1ρY[;3]
10
5
  Y
1 6 10
12 7 5
  ϕY

```

```

10 6 1
5 7 12
     $\phi Y[1]$ 
RANK ERROR
     $\phi Y[1]$ 
        ^
     $\phi[1]Y$ 
12 7 5
1 6 10
     $\phi[2]Y$ 
10 6 1
5 7 12
     $\phi Y$ 
1 12
6 7
10 5
    1 2 3 4 5 6+7 8 9 10 11 12
8 10 12 14 16 18
    Y
1 6 10
12 7 5
     $Y \times Y$ 
    1 36 100
144 49 25
     $2 \times Y$ 
    2 12 20
24 14 10
     $-Y$ 
    -1 -6 -10
-12 -7 -5
    X
10
    XX
10
    A←1 2 3
    B←4 5 6
    A
1 2 3
    B
4 5 6
    A+.×B
32
    Y+.×Y
LENGTH ERROR
    Y+.×Y
        ^
    Y+.× $\phi Y$ 
137 104
104 218
    MAT←Y+.×Y
LENGTH ERROR
    MAT←Y+.×Y

```

```

      ^
      MAT←Y+.×φY
LENGTH ERROR
      MAT←Y+.×φY
      ^
      MAT←Y+.×φY
      MAT
137 104
104 218
      □MAT
      0.01144356955  -0.005459317585
-0.005459317585  0.00719160105
      ÷10
0.1
      A
1 2 3
      +/A
6
      ×/A
6
      -/A
2
      */A
1
      B
4 5 6
      */B
DOMAIN ERROR
      */B
      ^
      ×/B
120
      +/B
15
      (+/LIST)÷ρLIST←□
□:
      100 99 95 83 100 56 72 83
86
      5 < 3
0
      3<5
1
      Z
1 7 5 H 3.2  Hi There
      1 0 0 1 0 1/Z
1 H Hi There
      F←17
      (F=17)/5
5
      (F=19)/5

      (F=17)+F=19

```

1	$F \neq 5$
1	$(F=17) \vee F=19$
1	$(F=17) \wedge F=19$
0	$(F=17) \tilde{\wedge} F=19$
1	$\sim F=17$
0	$(F=17) \tilde{\wedge} F=19$
1	