

]RUN

This is the START program to test CHAIN

Initial values:

ASPGMST = 0801  
ASPEND = 0A28  
ASVARS = 0A28  
ASARYS = 0A28  
ARYEND = 0A28  
ASSTRS = BE00  
FRESPC = BDFF  
DSCTMP = 008A

Values after D\$:

ASPGMST = 0801  
ASPEND = 0A28  
ASVARS = 0A28  
ASARYS = 0A2F  
ARYEND = 0A2F  
ASSTRS = BDFF  
FRESPC = BDFF  
DSCTMP = 008A

Values after DIM:

ASPGMST = 0801  
ASPEND = 0A28  
ASVARS = 0A28  
ASARYS = 0A2F  
ARYEND = 0AC8  
ASSTRS = BDFF  
FRESPC = BDFF  
DSCTMP = 008A

Values after initialization:

ASPGMST = 0801  
ASPEND = 0A28  
ASVARS = 0A28  
ASARYS = 0A36  
ARYEND = 0ACF  
ASSTRS = BD87  
FRESPC = BD8F  
DSCTMP = 008A

0 5.5 0 ENTRY  
1 6.5 1 ENTRY  
2 7.5 2 ENTRY  
3 8.5 3 ENTRY  
4 9.5 4 ENTRY  
5 10.5 5 ENTRY  
6 11.5 6 ENTRY  
7 12.5 7 ENTRY  
8 13.5 8 ENTRY  
9 14.5 9 ENTRY  
15.5 10 ENTRY  
16.5 11 ENTRY  
12 ENTRY  
13 ENTRY

Values after priniting:

ASPGMST = 0801  
ASPEND = 0A28  
ASVARS = 0A28

```
ASARYS = 0A36
ARYEND = 0ACF
ASSTRS = BD87
FRESPC = BD8F
DSCTMP = 008A
```

This is line 5.

Now running CHAIN1

Initial values now:

```
ASPGMST = 0801
ASPEND = 0B70
ASVARS = 0B70
ASARYS = 0B7E
ARYEND = 0C17
ASSTRS = BD99
FRESPC = BD8F
DSCTMP = 008A
```

```
0  5.5  0 ENTRY
1  6.5  1 ENTRY
2  7.5  2 ENTRY
3  8.5  3 ENTRY
4  9.5  4 ENTRY
5 10.5  5 ENTRY
6 11.5  6 ENTRY
7 12.5  7 ENTRY
8 13.5  8 ENTRY
9 14.5  9 ENTRY
   15.5 10 ENTRY
   16.5 11 ENTRY
       12 ENTRY
       13 ENTRY
```

Values now before DIM:

```
ASPGMST = 0801
ASPEND = 0B70
ASVARS = 0B70
ASARYS = 0B7E
ARYEND = 0C17
ASSTRS = BD99
FRESPC = BD8F
DSCTMP = 008A
```

Values after DIM:

```
ASPGMST = 0801
ASPEND = 0B70
ASVARS = 0B70
ASARYS = 0B7E
ARYEND = 0CBA
ASSTRS = BD99
FRESPC = BD8F
DSCTMP = 008A
```

Values after initialization:

```
ASPGMST = 0801
ASPEND = 0B70
ASVARS = 0B70
ASARYS = 0B85
ARYEND = 0CC1
```

```
ASSTRS = BD03
FRESPC = BD0B
DSCTMP = 008A
```

```
0  15.5  10 final
1  16.5  11 final
2  17.5  12 final
3  18.5  13 final
4  19.5  14 final
5  20.5  15 final
6  21.5  16 final
7  22.5  17 final
8  23.5  18 final
9  24.5  19 final
10 25.5  20 final
    26.5  21 final
    27.5  22 final
        23 final
        24 final
```

Values after printing:

```
ASPGMST = 0801
ASPEND = 0B70
ASVARS = 0B70
ASARYS = 0B85
ARYEND = 0CC1
ASSTRS = BD03
FRESPC = BD0B
DSCTMP = 008A
```

```
0  5.5  0 ENTRY
1  6.5  1 ENTRY
2  7.5  2 ENTRY
3  8.5  3 ENTRY
4  9.5  4 ENTRY
5  10.5 5 ENTRY
6  11.5 6 ENTRY
7  12.5 7 ENTRY
8  13.5 8 ENTRY
9  14.5 9 ENTRY
    15.5 10 ENTRY
    16.5 11 ENTRY
        12 ENTRY
        13 ENTRY
```

Values after printing:

```
ASPGMST = 0801
ASPEND = 0B70
ASVARS = 0B70
ASARYS = 0B85
ARYEND = 0CC1
ASSTRS = BD03
FRESPC = BD0B
DSCTMP = 008A
```

Now running CHAIN2

Initial values now:

```
ASPGMST = 0801
ASPEND = 0914
ASVARS = 0914
ASARYS = 0929
ARYEND = 0A65
ASSTRS = BD21
```

```
FRESPC = BD0B
DSCTMP = 008A
```

```
0  5.5  0 ENTRY
1  6.5  1 ENTRY
2  7.5  2 ENTRY
3  8.5  3 ENTRY
4  9.5  4 ENTRY
5 10.5  5 ENTRY
6 11.5  6 ENTRY
7 12.5  7 ENTRY
8 13.5  8 ENTRY
9 14.5  9 ENTRY
   15.5 10 ENTRY
   16.5 11 ENTRY
       12 ENTRY
       13 ENTRY
```

Final values:

```
ASPGMST = 0801
ASPEND  = 0914
ASVARS  = 0914
ASARYS  = 0929
ARYEND  = 0A65
ASSTRS  = BD21
FRESPC  = BD0B
DSCTMP  = 008A
```

Now running CHAIN3

Initial values now:

```
ASPGMST = 0801
ASPEND  = 090B
ASVARS  = 090B
ASARYS  = 0920
ARYEND  = 0A5C
ASSTRS  = BD21
FRESPC  = BD0B
DSCTMP  = 008A
```

```
0  15.5 10 final
1  16.5 11 final
2  17.5 12 final
3  18.5 13 final
4  19.5 14 final
5  20.5 15 final
6  21.5 16 final
7  22.5 17 final
8  23.5 18 final
9  24.5 19 final
10 25.5 20 final
    26.5 21 final
    27.5 22 final
        23 final
        24 final
```

Values after printing:

```
ASPGMST = 0801
ASPEND  = 090B
ASVARS  = 090B
ASARYS  = 0920
ARYEND  = 0A5C
ASSTRS  = BD21
FRESPC  = BD0B
```

DSCTMP = 008A

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