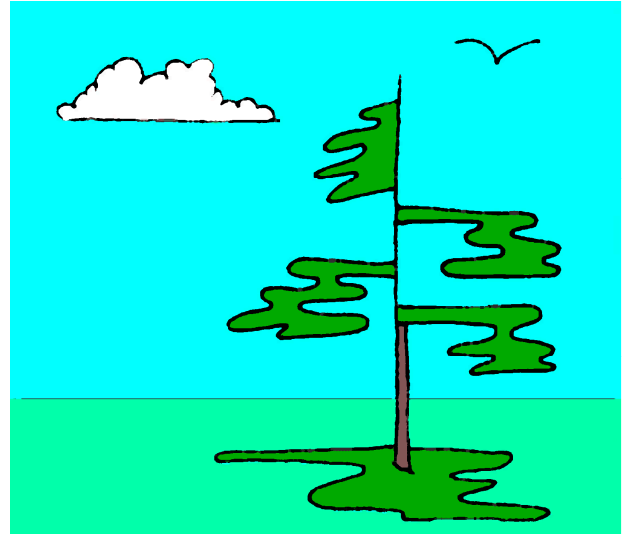


NorthWoods Software



Program Name: Template

Project Name: Name

Project Number: Number

Project Description: Describe

Project Designer: Dik

Last Revised (yy-mm-dd): 18-07-20

Reference: Reference?

Created using SMath Studio, a MathCAD workalike from <https://en.smath.info/view/SMathStudio>
The User is responsible to verify data using an alternative method

Menu:

..... Enter Data Space
 Important Output
 Logical Constructs
 Blue Text: Units
..... Summation

Defined Units:

$K := \text{kip}$ kilopounds (force)
 $kN_m := \text{kN m}$ kiloNewton-Metres (Moment)

User Defined Functions

```

Check(arg) := if arg = 1
               Check := "...OK"
             else
               Check := "...NG"
  
```

$Check(2 = 3) = "...NG"$
 $Check(2 \leq 3) = "...OK"$
 $Check(3 \geq 2) = "...OK"$

$fName := "d:\aisc125.csv"$

Path + FileName; extension can be txt, csv, or n

$dSymbol := "."$

Character used for Decimal

$colDelimiter := ","$

Character used to Separate Data Values

$fmRow := 1$

Beginning Row of Array for Variable

$toRow := 116$

End Row of Array for Variable

$fmCol := 1$

Beginning Column of Array for Variable

$toCol := 29$

End Column of Array for Variable

$a := \text{importData}(fName, dSymbol, 0, colDelimiter, fmRow, toRow, fmCol, toCol, 0$

1.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00
2.00	98.30	44.00	1.02	16.00	1.77	2.56	1.31	4.51	999.00	43.16	4.12
3.00	85.80	43.60	0.87	15.80	1.58	2.37	1.25	5.01	999.00	50.14	4.10
4.00	83.80	44.02	1.02	11.81	1.77	2.69	1.38	3.30	999.00	43.00	2.95
5.00	77.20	43.30	0.79	15.80	1.42	2.21	1.19	5.55	999.00	54.82	4.07
6.00	72.80	43.62	0.87	11.81	1.58	2.50	1.31	3.70	999.00	50.40	2.96
7.00	67.70	42.90	0.71	15.80	1.22	2.01	1.19	6.45	999.00	60.44	4.05
8.00	65.80	43.31	0.79	11.81	1.42	2.31	1.31	4.20	999.00	55.00	2.96
9.00	58.00	42.91	0.71	11.81	1.22	2.13	1.25	4.80	999.00	60.50	2.94
10.00	192.00	43.62	1.97	16.87	3.54	4.94	2.25	2.40	999.00	22.10	4.43
11.00	174.00	43.00	1.79	16.70	3.23	4.41	2.13	2.58	999.00	24.00	4.38
12.00	156.00	42.34	1.61	16.51	2.91	4.31	2.00	2.80	999.00	26.30	4.33
13.00	148.00	42.10	1.54	16.40	2.76	3.94	2.00	2.97	999.00	27.31	4.30
14.00	140.00	41.81	1.46	16.36	2.64	4.00	2.00	3.10	999.00	28.60	4.28
15.00	137.00	42.44	1.67	12.64	2.95	4.13	2.00	2.10	999.00	25.41	3.22
16.00	128.00	41.34	1.34	16.24	2.40	3.81	1.94	3.40	999.00	30.90	4.24
17.00	127.00	41.30	1.34	16.20	2.36	3.54	1.88	3.44	999.00	30.79	4.23
18.00	117.00	41.00	1.22	16.10	2.20	3.38	1.81	3.66	999.00	33.60	4.21
19.00	115.00	41.60	1.42	12.40	2.52	3.70	1.94	2.45	999.00	29.27	3.14
20.00	109.00	40.60	1.16	16.10	2.05	3.23	1.81	3.92	999.00	35.03	4.18
$a =$ 21.00	107.00	40.60	1.12	16.00	2.01	3.19	1.75	3.99	999.00	36.20	4.17 ..
22.00	97.50	40.80	1.22	12.20	2.13	3.31	1.81	2.86	999.00	33.43	3.08
23.00	96.40	40.00	0.91	17.91	1.73	3.13	1.69	5.20	999.00	44.00	4.73
24.00	96.00	40.80	1.18	12.10	2.13	3.31	1.81	2.85	999.00	34.58	3.09
25.00	95.30	40.20	1.00	15.90	1.81	2.99	1.69	4.40	999.00	40.20	4.14
26.00	94.10	40.08	1.00	15.91	1.77	2.94	1.69	4.50	999.00	40.08	4.13
27.00	87.60	39.69	0.83	17.83	1.58	3.00	1.63	5.70	999.00	47.80	4.70
28.00	87.40	39.80	0.93	15.80	1.65	2.83	1.69	4.80	999.00	42.80	4.11
29.00	81.80	40.20	1.02	12.00	1.81	2.99	1.75	3.31	999.00	39.37	3.02
30.00	81.40	39.70	0.83	15.80	1.58	2.76	1.63	5.03	999.00	47.80	4.13
31.00	78.80	39.37	0.75	17.75	1.42	2.81	1.56	6.30	999.00	52.50	4.67
32.00	77.60	40.00	0.96	11.90	1.73	2.91	1.69	3.45	999.00	41.67	3.01
33.00	73.30	39.40	0.75	15.80	1.42	2.60	1.56	5.55	999.00	52.50	4.10
34.00	71.70	39.06	0.71	17.71	1.26	2.63	1.56	7.00	999.00	55.00	4.63
35.00	69.00	39.70	0.83	11.90	1.58	2.76	1.63	3.77	999.00	47.82	3.01
36.00	64.80	38.67	0.71	17.71	1.07	2.44	1.56	8.30	61.10	54.50	4.56
37.00	63.40	39.00	0.65	15.80	1.22	2.40	1.56	6.45	999.00	60.00	4.09
38.00	62.00	39.40	0.75	11.80	1.42	2.60	1.56	4.17	999.00	52.49	2.98
39.00	58.50	38.70	0.65	15.80	1.07	2.25	1.56	7.39	999.00	59.50	4.04
40.00	56.50	38.20	0.71	17.71	0.83	2.25	1.56	10.70	37.10	53.80	4.43
41.00	53.80	39.00	0.65	11.80	1.22	2.40	1.56	4.84	999.00	60.00	2.98
					⋮						⋮