

Member	Length	Cross-sectional area	REAL	CASE 1		CASE 2		CASE 3	
			Nreal Member force due to 20k at node F	Nvirt Member force due to unit load at node F	Nreal*Nvirt*EA/L	Nvirt Member force due to unit load at node F	Nreal*Nvirt*EA/L	Nvirt Member force due to unit load at node F	Nreal*Nvirt*EA/L
1	6	6.5	-6.6	-0.33	2.0	-0.57	3.5	0	0
2	6	6.5	-6.6	-0.33	2.0	-0.57	3.5	0	0
3	8	6.5	-6.5	-0.33	2.6	-0.57	4.6	0	0
4	6	6.5	-4.87	-0.24	1.1	-0.43	1.9	0	0
5	8	6.5	4.93	0.25	1.5	0	0	0.57	3.5
6	6	6.5	4.83	0.24	1.1	0	0	0.57	2.5
7	6	3.25	8.53	0.43	6.7	0	0	1	15.7
8	8.5	3.75	-6.83	-0.34	5.3	0	0	-0.81	12.5
9	8.5	3.75	9.33	0.47	9.8	0.81	17.1	0	0
10	10	3.75	8.12	0.41	8.8	0.71	15.4	0	0
11	10	3.75	-6.17	-0.31	5.1	0	0	-0.71	11.7
	L	A			SUM 46.0 L/(EA)		SUM 45.9 L/(EA)		SUM 45.9 L/(EA)