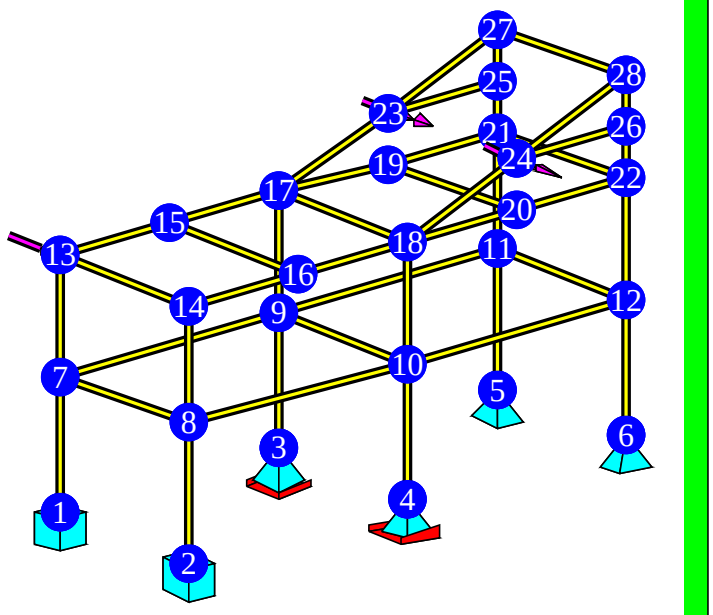
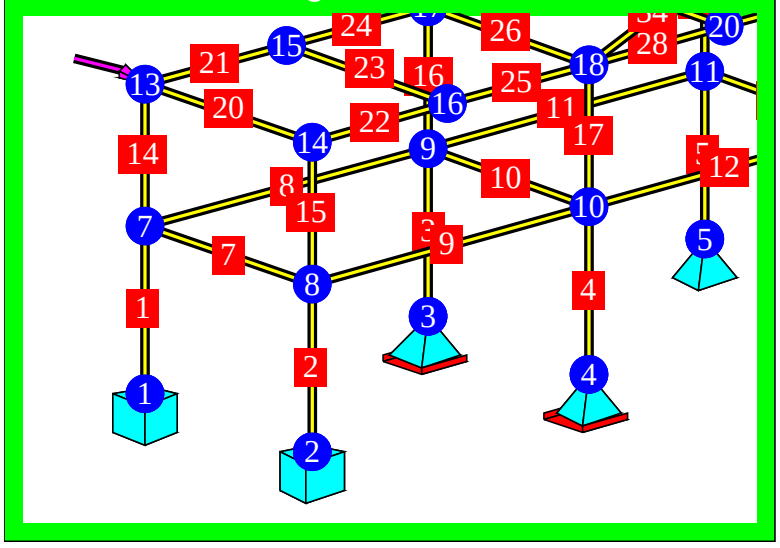
Schnittkraefte

				Normalkraft	Querkr. FQyq	Querkr. FQzq
Element	1,	Knoten	1:	411.7039858	-48.45976520	-223.3995515
		Knoten	7:	411.7039858	-48.45976520	-223.3995515
Element	2,	Knoten	2:	-369.7661616	51.08703378	-223.5667291
		Knoten	8:	-369.7661616	51.08703378	-223.5667291
Element	3,	Knoten	3:	-196.6394777	0.000000000	-30.34483618
		Knoten	9:	-196.6394777	0.000000000	-30.34483618
Element	4,	Knoten	4:	-424.1254624	0.000000000	-30.34736508
		Knoten	10:	-424.1254624	0.000000000	-30.34736508
Element	5,	Knoten	5:	304.9153246	-9.710687488	3.829259718
		Knoten	11:	304.9153246	-9.710687488	3.829259718
Element	6,	Knoten	6:	273.9117913	7.083418912	3.829222112
		Knoten	12:	273.9117913	7.083418912	3.829222112
Element	7,	Knoten	7:	-0.245985435	8.961504385	245.1113160
		Knoten	8:	-0.245985435	8.961504385	245.1113160
Element	8,	Knoten	7:	-75.11575253	-7.189344724	-8.490667124
		Knoten	9:	-75.11575253	-7.189344724	-8.490667124
Element	9,	Knoten	8:	35.84260353	-7.180295591	14.04551849
		Knoten	10:	35.84260353	-7.180295591	14.04551849
Element	10,	Knoten	9:	0.009873374	0.901625591	72.49539100
		Knoten	10:	0.009873374	0.901625591	72.49539100
Element	11,	Knoten	9:	-8.487706155	0.985818130	-7.449613350
		Knoten	11:	-8.487706155	0.985818130	-7.449613350
Element	12,	Knoten	10:	25.21486743	0.983572632	10.86410121
		Knoten	12:	25.21486743	0.983572632	10.86410121
Element	13,	Knoten	11:	-0.000804651	-5.411027483	-3.587774317
		Knoten	12:	-0.000804651	-5.411027483	-3.587774317
Element	14,	Knoten	7:	175.0833369	17.69448295	-216.4561922
		Knoten	13:	175.0833369	17.69448295	-216.4561922
Element	15,	Knoten	8:	-138.7003640	24.20593463	-216.1404481
		Knoten	14:	-138.7003640	24.20593463	-216.1404481
Element	16,	Knoten	9:	-270.1759224	-67.52967197	-38.51012566
		Knoten	17:	-270.1759224	-67.52967197	-38.51012566
Element	17,	Knoten	10:	-348.4486542	11.52936169	-38.52110668
		Knoten	18:	-348.4486542	11.52936169	-38.52110668
Element	18,	Knoten	11:	301.0534856	-12.78736616	4.814273198
		Knoten	21:	301.0534856	-12.78736616	4.814273198
Element	19,	Knoten	12:	281.1881182	26.88725886	4.813599395
		Knoten	22:	281.1881182	26.88725886	4.813599395
Element	20,	Knoten	13:	-249.7089802	-19.11664644	154.7507585
		Knoten	14:	-249.7089802	-19.11664644	154.7507585
Element	21,	Knoten	13:	36.81112939	33.83482765	20.33257833
		Knoten	15:	36.81112939	33.83482765	20.33257833
Element	22,	Knoten	14:	5.089288187	33.56853210	16.05039449
		Knoten	16:	5.089288187	33.56853210	16.05039449
Element	23,	Knoten	15:	-0.207602219	-39.97801163	18.31267055
		Knoten	16:	-0.207602219	-39.97801163	18.31267055
Element	24,	Knoten	15:	76.78914102	33.62722543	2.019907776
		Knoten	17:	76.78914102	33.62722543	2.019907776
Element	25,	Knoten	16:	-34.88872344	33.77613432	34.36306504
		Knoten	18:	-34.88872344	33.77613432	34.36306504
Element	26,	Knoten	17:	0.084721056	-13.33180724	30.59476841
		Knoten	18:	0.084721056	-13.33180724	30.59476841
Element	27,	Knoten	17:	130.3372050	-4.034148192	19.72016725
		Knoten	19:	130.3372050	-4.034148192	19.72016725
Element	28,	Knoten	18:	57.60548114	-4.059477365	26.81207865
		Knoten	20:	57.60548114	-4.059477365	26.81207865
Element	29,	Knoten	19:	-0.015967673	3.073808654	2.894280527
		Knoten	20:	-0.015967673	3.073808654	2.894280527
Element	30,	Knoten	19:	127.2633963	-4.050115865	16.82588673
		Knoten	21:	127.2633963	-4.050115865	16.82588673
Element	31,	Knoten	20:	60.67928980	-4.043509692	29.70635918
		Knoten	22:	60.67928980	-4.043509692	29.70635918
Element	32,	Knoten	21:	0.001378202	6.001552720	-1.736069649
		Knoten	22:	0.001378202	6.001552720	-1.736069649
Element	33,	Knoten	17:	-218.3167250	-0.764030979	-255.6770208
		Knoten	23:	-218.3167250	-0.764030979	-255.6770208
Element	34,	Knoten	18:	-202.7958453	-0.770216056	-253.0881125
		Knoten	24:	-202.7958453	-0.770216056	-253.0881125
Element	35,	Knoten	23:	-499.1965525	-0.977307651	-237.8092632
		Knoten	25:	-499.1965525	-0.977307651	-237.8092632
Element	36,	Knoten	24:	-495.7196698	-0.980946192	-234.1664752
		Knoten	26:	-495.7196698	-0.980946192	-234.1664752
Element	37,	Knoten	23:	333.4957812	0.213276671	-220.2736083
		Knoten	27:	333.4957812	0.213276671	-220.2736083
Element	38,	Knoten	24:	344.4355589	0.210730136	-219.7756619
		Knoten	28:	344.4355589	0.210730136	-219.7756619
Element	39,	Knoten	22:	309.1584077	93.56810138	0.768711501
		Knoten	26:	309.1584077	93.56810138	0.768711501
Element	40,	Knoten	21:	319.6154420	108.4744775	0.765535535
		Knoten	25:	319.6154420	108.4744775	0.765535535
Element	41,	Knoten	25:	81.80617879	-390.7220750	-0.211772116
		Knoten	27:	81.80617879	-390.7220750	-0.211772116
Element	42,	Knoten	26:	74.99193249	-402.1515685	-0.212234691
		Knoten	28:	74.99193249	-402.1515685	-0.212234691
Element	43,	Knoten	27:	-0.001504556	0.728548753	1.144491630
		Knoten	28:	-0.001504556	0.728548753	1.144491630

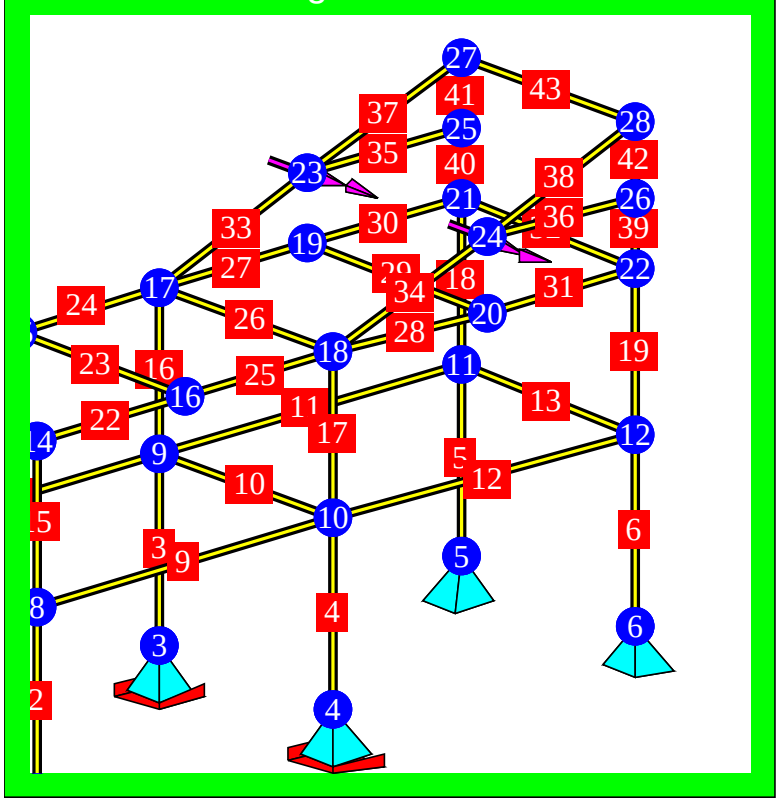
FEM-Berechnungsmodell



FEM-Berechnungsmodell



FEM-Berechnungsmodell



Dreidimensionaler Rahmen

Beispiel B2.5 im Anhang B