

## **ANEXO D-5**

**UNIDAD DE NEFROLOGIA.  
SOLICITACIONES EN LOS ELEMENTOS:  
CASO 1 (1,00 Sx + 0,30 Sy)**

MODELO MATEMATICO EDIF.DE NEFROLOGIA . DUCT.=6 ,1.00SX+0.30SY

## F R A M E E L E M E N T F O R C E S

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
1	DYN	8922.80						100.39
			.2	1369.66	2956.19	4476.15	9648.43	
			3.8	1369.66	1975.51	4476.15	6467.77	
3	DYN	4943.59						130.19
			.2	1049.94	1776.44	4365.66	7677.33	
			3.8	1049.94	2006.28	4365.66	8043.78	
5	DYN	1545.95						79.58
			.2	611.38	908.83	2672.95	4091.11	
			3.8	611.38	1294.84	2672.95	5540.61	
2	DYN	9167.32						100.39
			.2	1311.02	2811.48	4473.31	9645.06	
			3.8	1311.02	1909.25	4473.31	6460.97	
4	DYN	5116.86						130.19
			.2	928.45	1547.82	4416.20	7733.45	
			3.8	928.45	1796.25	4416.20	8169.43	
6	DYN	1595.22						79.58
			.2	521.35	772.12	2754.47	4251.28	
			3.8	521.35	1107.16	2754.47	5672.78	
7	DYN	2081.00						100.39
			.2	2056.65	4071.36	4840.53	9546.82	
			3.8	2056.65	3332.69	4840.53	7879.15	
8	DYN	4118.21						100.39
			.2	1711.14	3360.42	4623.33	9289.55	
			3.8	1711.14	2799.83	4623.33	7355.07	
11	DYN	4027.84						130.19
			.2	1622.15	2869.79	4239.90	8056.07	
			3.8	1622.15	2970.39	4239.90	7210.75	
14	DYN	1232.21						79.58
			.2	982.24	1630.68	2032.16	2938.61	
			3.8	982.24	1905.83	2032.16	4393.34	
9	DYN	504.44						100.39
			.2	1593.89	3146.48	4746.42	9435.19	
			3.8	1593.89	2591.67	4746.42	7652.45	
12	DYN	332.23						130.19
			.2	1400.95	2455.63	5438.83	9626.93	
			3.8	1400.95	2588.21	5438.83	9953.79	
15	DYN	103.86						79.58
			.2	863.44	1406.61	3624.72	6117.89	
			3.8	863.44	1702.17	3624.72	6932.27	

MODELO MATEMATICO EDIF. DE NEFROLOGIA , DUCT.=6 , 1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
10	DYN	5877.66						100.39
			.2	1504.82	3228.40	3791.16	8304.75	
			3.8	1504.82	2189.64	3791.16	5345.55	
13	DYN	3238.34						130.19
			.2	1139.26	1915.29	3583.66	6256.39	
			3.8	1139.26	2188.11	3583.66	6650.08	
16	DYN	1015.08						79.58
			.2	645.65	950.90	2244.64	3390.20	
			3.8	645.65	1375.99	2244.64	4699.79	
17	DYN	4144.40						100.39
			.0	1972.90	4522.96	2911.48	6917.89	
			3.9	1972.90	3173.42	2911.48	4439.04	
23	DYN	2254.23						130.19
			.2	2039.25	3595.83	3018.41	5266.81	
			3.8	2039.25	3747.86	3018.41	5604.26	
29	DYN	675.19						79.58
			.2	1132.40	1701.50	1863.74	2828.61	
			3.8	1132.40	2379.38	1863.74	3889.82	
18	DYN	1832.91						100.39
			.2	2040.34	4051.68	4438.94	8558.53	
			3.8	2040.34	3294.24	4438.94	7421.90	
24	DYN	1286.98						130.19
			.2	1726.90	3256.75	5088.24	9157.44	
			3.8	1726.90	2961.24	5088.24	9160.65	
30	DYN	493.96						79.58
			.2	768.16	1086.86	3451.31	5801.69	
			3.8	768.16	1684.41	3451.31	6623.68	
19	DYN	2682.91						196.09
			.2	24401.76	73533.79	1674.60	3314.77	
			3.8	24401.76	14842.95	1674.60	2715.94	
25	DYN	1655.54						254.30
			.2	11337.45	14688.47	1542.64	2714.14	
			3.8	11337.45	26989.53	1542.64	2839.80	
31	DYN	893.03						155.45
			.2	4224.81	6657.48	941.95	1546.04	
			3.8	4224.81	15348.75	941.95	1845.71	
20	DYN	6448.30						100.39
			.2	1776.69	3362.60	4202.67	8278.97	
			3.8	1776.69	3033.65	4202.67	6851.07	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## F R A M E E L E M E N T F O R C E S

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
26	DYN	3594.27						130.19
			.2	1652.15	2976.36	4709.85	8418.56	
			3.8	1652.15	2971.52	4709.85	8537.58	
32	DYN	1867.40						79.58
			.2	792.67	1406.87	2717.24	4758.53	
			3.8	792.67	1448.08	2717.24	5031.96	
21	DYN	903.62						100.39
			.2	1862.53	3451.71	4089.52	8145.16	
			3.8	1862.53	3053.53	4089.52	6577.58	
27	DYN	362.17						130.19
			.2	1722.95	3043.69	4510.51	8043.93	
			3.8	1722.95	3159.29	4510.51	8195.10	
33	DYN	174.92						79.58
			.2	986.99	1631.59	3066.14	5062.97	
			3.8	986.99	1922.06	3066.14	5976.21	
22	DYN	2896.96						100.39
			.2	2213.86	4434.56	3362.23	7284.40	
			3.8	2213.86	3540.94	3362.23	4821.47	
28	DYN	1458.78						130.19
			.2	2180.69	3853.55	3216.99	5617.74	
			3.8	2180.69	3999.78	3216.99	5967.43	
34	DYN	421.49						79.58
			.2	1275.18	2093.64	2035.88	3158.22	
			3.8	1275.18	2500.49	2035.88	4177.83	
35	DYN	522.68						133.29
			.2	1104.64	1969.02	2196.87	4674.32	
			2.4	1104.64	471.32	2196.87	174.46	
36	DYN	1268.55						10.70
			.2	183.97	352.83	438.59	858.73	
			3.8	183.97	313.33	438.59	720.24	
39	DYN	595.19						13.88
			.2	171.98	307.79	492.00	880.46	
			3.8	171.98	311.74	492.00	890.80	
42	DYN	219.56						8.49
			.2	107.63	181.47	341.20	568.25	
			3.8	107.63	206.73	341.20	660.14	
37	DYN	1293.72						10.70
			.2	170.36	337.20	472.48	899.20	
			3.8	170.36	276.19	472.48	801.75	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL DIST		1-2 PLANE		1-3 PLANE		AXIAL TORQ
		FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	
40	DYN	864.97						13.88
			.2	148.67	260.70	553.84	975.26	
			3.8	148.67	274.67	553.84	978.58	
43	DYN	682.15						8.49
			.2	67.98	120.40	329.19	587.66	
			3.8	67.98	124.83	329.19	597.69	
38	DYN	5970.10						100.39
			.2	1761.92	3345.21	2282.48	5840.77	
			3.8	1761.92	2997.79	2282.48	2387.03	
41	DYN	3658.65						130.19
			.2	1666.21	2975.83	1519.31	2390.94	
			3.8	1666.21	3022.63	1519.31	3095.43	
44	DYN	1790.09						79.58
			.2	848.63	1509.09	548.58	665.02	
			3.8	848.63	1546.75	548.58	1424.33	
45	DYN	390.83						14.21
			.2	267.17	272.44	337.41	590.72	
			2.4	267.13	330.40	337.41	152.04	
46	DYN	376.20						133.29
			.2	1327.76	2175.31	768.58	1832.12	
			2.4	1327.76	746.21	768.58	142.15	
47	DYN	5425.22						34.79
			.2	1574.01	4399.33	488.80	868.50	
			3.8	1574.01	1286.78	488.80	891.21	
50	DYN	3833.39						45.12
			.2	807.40	1112.95	556.31	1009.26	
			3.8	807.40	1826.60	556.31	993.53	
53	DYN	2249.90						27.58
			.2	159.04	285.72	323.37	590.04	
			3.8	159.04	621.79	323.37	574.12	
56	DYN	890.83						46.19
			.2	1068.25	1405.19	551.08	752.94	
			2.4	1068.25	982.80	551.08	459.53	
48	DYN	757.82						34.79
			.2	1737.05	4591.91	315.61	648.88	
			3.8	1737.05	1673.85	315.61	487.64	
51	DYN	578.54						45.12
			.2	1104.15	1650.45	266.34	460.12	
			3.8	1104.15	2342.40	266.34	499.01	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST END1	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
54	DYN	476.46						27.58
			.2	279.00	353.78	118.07	206.97	
			3.8	279.00	798.92	118.07	220.29	
57	DYN	358.45						46.19
			.2	1634.17	1753.46	350.60	400.67	
			2.4	1634.17	1865.31	350.60	371.90	
49	DYN	1722.25						10.70
			.2	179.20	347.79	455.03	861.76	
			3.8	179.20	297.35	455.03	776.36	
52	DYN	1389.50						13.88
			.2	164.11	290.24	529.44	954.93	
			3.8	164.11	300.59	529.44	951.07	
55	DYN	1173.74						8.49
			.2	78.94	141.37	300.43	543.60	
			3.8	78.94	143.32	300.43	538.21	
58	DYN	977.92						14.21
			.2	269.11	297.04	735.24	831.53	
			2.4	269.11	299.47	735.24	786.16	
59	DYN	8126.10						100.39
			.2	2150.23	4613.15	2727.35	6051.68	
			3.8	2150.23	3129.94	2727.35	3769.24	
66	DYN	4534.74						130.19
			.2	2007.91	3482.23	2439.25	4205.34	
			3.8	2007.91	3749.29	2439.25	4581.00	
73	DYN	1352.41						79.58
			.2	1167.70	1780.00	1552.73	2374.63	
			3.8	1167.70	2427.16	1552.73	3223.34	
60	DYN	1993.86						100.39
			.2	2055.25	4049.35	3775.06	7291.70	
			3.8	2055.25	3330.21	3775.06	6298.75	
67	DYN	1397.87						130.19
			.2	2138.98	3763.01	4229.11	7611.94	
			3.8	2138.98	3937.85	4229.11	7613.41	
74	DYN	806.65						79.58
			.2	1323.26	2221.68	2971.51	4954.04	
			3.8	1323.26	2542.51	2971.51	5743.75	
61	DYN	27112.45						196.09
			.2	23682.75	65887.30	1710.08	3354.00	
			3.8	23682.75	19648.37	1710.08	2808.60	

MODELO MATEMATICO EDIF.DE NEFROLOGIA . DUCT.=6 .1.00SY+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
68	DYN	14050.29						254.30
			.2	13147.37	19409.31	1599.38	2815.35	
			3.8	13147.37	28325.75	1599.38	2944.83	
75	DYN	6597.75						155.45
			.2	2519.36	4409.05	838.70	1460.22	
			3.8	2519.36	9607.45	838.70	1561.66	
80	DYN	1009.68						260.35
			.2	6547.85	14288.76	1067.03	1897.89	
			2.4	6547.85	369.48	1067.03	450.60	
62	DYN	23702.14						100.39
			.2	995.02	2452.37	4294.94	7906.66	
			3.8	995.02	1135.12	4294.94	7555.23	
69	DYN	12189.69						130.19
			.2	480.15	661.32	5144.42	9333.79	
			3.8	480.15	1079.60	5144.42	9186.16	
76	DYN	5019.36						79.58
			.2	155.76	166.73	3129.72	5627.45	
			3.8	155.76	434.41	3129.72	5639.58	
81	DYN	515.02						133.29
			.2	571.82	859.04	3265.77	5511.66	
			2.4	571.82	425.56	3265.77	1673.53	
63	DYN	7587.28						100.39
			.2	1652.15	3213.83	3736.75	7246.39	
			3.8	1652.15	2736.21	3736.75	6206.15	
70	DYN	4622.20						130.19
			.2	1502.90	2652.00	4150.78	7473.48	
			3.8	1502.90	2762.12	4150.78	7469.90	
77	DYN	2749.58						79.58
			.2	778.88	1361.87	2469.39	4313.46	
			3.8	778.88	1444.66	2469.39	4579.90	
82	DYN	532.63						133.29
			.2	980.84	1898.70	2238.16	4299.52	
			2.4	980.84	260.53	2238.16	626.20	
64	DYN	201.08						
			.2	1854.69	3683.55	3510.47	7087.40	
			3.8	1854.69	2993.70	3510.47	5580.82	
71	DYN	123.82						
			.2	1668.67	2923.86	3753.08	6655.30	
			3.8	1668.67	3083.80	3753.08	6857.18	

MODELO MATEMATICO EDIF. DE NEFROLOGIA , DUCT.=6 , 1.00SX+0.30SY

## FRAME ELEMENT FORCLS

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDT	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
78	DYN	117.56						
			.2	957.68	1563.86	2648.90	4354.15	
			3.8	957.68	1870.02	2648.90	5183.12	
65	DYN	15456.98						
			.2	2451.17	4768.85	3754.69	7350.14	
			3.8	2451.17	4060.51	3754.69	6167.32	
72	DYN	7318.66						
			.2	2442.19	4318.89	4104.64	7367.04	
			3.8	2442.19	4473.52	4104.64	7410.27	
79	DYN	1986.93						
			.2	1437.67	2395.76	2585.79	4411.87	
			3.8	1437.67	2781.72	2585.79	4897.92	
87	DYN	6004.26						100.39
			.2	1670.28	3613.54	2418.27	5255.20	
			3.8	1670.28	2401.40	2418.27	3482.57	
88	DYN	3348.43						130.19
			.2	1416.75	2441.26	2111.43	3671.34	
			3.8	1416.75	2662.40	2111.43	3934.16	
93	DYN	1053.95						79.58
			.2	814.27	1205.43	1437.44	2202.48	
			3.8	814.27	1729.57	1437.44	2977.22	
84	DYN	598.16						100.39
			.2	1684.84	3329.30	2966.79	5904.56	
			3.8	1684.84	2736.31	2966.79	4776.41	
89	DYN	312.93						130.19
			.2	1579.65	2790.80	3095.67	5509.91	
			3.8	1579.65	2896.79	3095.67	5635.44	
94	DYN	116.23						79.58
			.2	983.10	1608.04	2094.95	3511.98	
			3.8	983.10	1931.51	2094.95	4031.13	
85	DYN	396.04						
			.2	1618.86	3211.97	3031.21	6048.42	
			3.8	1618.86	2616.13	3031.21	4864.43	
90	DYN	202.21						
			.2	1392.47	2436.74	3135.70	5575.96	
			3.8	1392.47	2576.62	3135.70	5713.69	
95	DYN	152.10						
			.2	847.71	1373.24	2140.56	3573.21	
			3.8	847.71	1679.09	2140.56	4134.10	

MODELO MATEMATICO EDIF. DE NEFROLOGIA . DUCT.=6 .1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
86	DYN	1269.00						
			.2	1902.77	3741.76	3084.02	6111.80	
			3.8	1902.77	2108.73	3084.02	4991.11	
91	DYN	728.17						
			.2	1749.59	3084.54	3229.38	5752.71	
			3.8	1749.59	3214.49	3229.38	5874.07	
96	DYN	291.44						
			.2	1018.61	1676.74	2237.10	3737.05	
			3.8	1018.61	1990.78	2237.10	4317.57	
87	DYN	4991.76						
			.2	2506.72	4836.64	2699.45	5646.90	
			3.8	2506.72	4191.00	2699.45	4078.34	
92	DYN	2548.53						
			.2	2502.83	4461.77	2529.48	4447.54	
			3.8	2502.83	4548.71	2529.48	4661.23	
97	DYN	738.38						
			.2	1377.40	2327.43	1680.18	2699.21	
			3.8	1377.40	2632.17	1680.18	3353.39	
98	DYN	4816.29						100.39
			.0	1312.08	2968.21	1941.35	4459.92	
			3.9	1312.08	2151.42	1941.35	3113.57	
102	DYN	2802.83						130.19
			.2	1183.22	2045.60	1825.66	3191.60	
			3.8	1183.22	2215.39	1825.66	3384.30	
106	DYN	951.59						79.58
			.2	676.94	1035.16	1278.36	1983.76	
			3.8	676.94	1404.02	1278.36	2622.38	
99	DYN	3835.44						
			.2	1696.04	3302.03	2819.33	5443.07	
			3.8	1696.04	2807.25	2819.33	4707.50	
103	DYN	2130.86						
			.2	1541.38	2716.28	2918.44	5220.92	
			3.8	1541.38	2873.47	2918.44	5286.18	
107	DYN	745.64						
			.2	918.88	1542.34	1996.69	3420.74	
			3.8	918.88	1768.17	1996.69	3768.14	
100	DYN	3982.74						
			.2	1653.98	3433.87	2898.76	5537.90	
			3.8	1653.98	2536.48	2898.76	4899.09	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.20SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
104	DYN	1950.55						
			.2	1299.29	2234.48	2055.85	5470.84	
			3.8	1299.29	2444.91	2055.85	5530.55	
108	DYN	497.00						
			.2	691.05	1081.02	2096.89	2614.58	
			3.8	691.05	1416.21	2096.89	2924.72	
101	DYN	7694.08						
			.2	1309.32	2149.91	2576.55	5148.65	
			3.8	1309.32	1711.36	2576.55	4132.00	
105	DYN	4099.02						
			.2	741.46	1210.37	2468.95	4376.90	
			3.8	741.46	1503.18	2468.95	4512.52	
109	DYN	1190.35						
			.2	417.98	768.64	1642.43	2753.85	
			3.8	417.98	850.60	1642.43	3160.41	
110	DYN	15619.26						100.39
			.2	3348.61	7144.88	1808.50	2620.92	
			3.8	3348.61	4914.50	1808.50	2884.49	
111	DYN	8075.92						130.19
			.2	3153.94	5529.15	1565.08	2802.90	
			3.8	3153.94	5828.08	1565.08	2822.75	
112	DYN	2126.28						79.58
			.2	1851.63	2872.24	817.22	1374.76	
			3.8	1851.63	2799.15	817.22	1568.24	
113	DYN	11712.80						100.39
			.2	3287.01	6898.24	1576.21	3228.99	
			3.8	3287.01	4936.18	1576.21	2436.25	
114	DYN	6395.78						130.19
			.2	3191.30	5616.66	1226.76	2124.22	
			3.8	3191.30	5874.55	1226.76	2285.79	
115	DYN	1926.86						79.58
			.2	1921.15	3047.76	762.33	1234.12	
			3.8	1921.15	2872.14	762.33	1514.11	
116	DYN	9996.52						
			.2	2227.11	4507.45	1757.67	4209.65	
			3.8	2227.11	3559.25	1757.67	2094.08	
117	DYN	5409.84						
			.2	2025.91	2557.14	1056.62	1711.66	
			3.8	2025.91	2737.10	1056.62	2120.42	

MODELO MATEMATICO EDIF.DE NEFROLOGIA . DUCT.=6 .1.00SX+0.70SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
118	DYN	1650.88						
			.2	1044.51	1700.24	664.08	892.68	
			3.8	1044.51	2064.00	664.08	1550.07	
119	DYN	5171.17						100.39
			.2	1566.89	3227.42	2097.09	4563.75	
			3.8	1566.89	2415.21	2097.09	3186.71	
120	DYN	2646.97						130.19
			.2	1221.00	2102.19	1805.87	3144.94	
			3.8	1221.00	2295.43	1805.87	3358.03	
121	DYN	770.40						79.58
			.2	822.21	1311.75	1195.41	1906.22	
			3.8	822.21	1650.16	1195.41	2399.48	
122	DYN	12041.74						100.39
			.2	1995.04	3828.10	2372.82	4566.24	
			3.8	1995.04	3354.79	2372.82	3976.26	
123	DYN	4580.27						130.19
			.2	1874.72	3401.69	2201.57	3998.44	
			3.8	1874.72	3347.66	2201.57	3927.43	
124	DYN	506.82						79.58
			.2	1031.32	1809.49	1130.47	1982.40	
			3.8	1031.32	1903.50	1130.47	2087.52	
125	DYN	24887.34						100.39
			.2	1798.84	3574.97	2189.03	4334.58	
			3.8	1798.84	2902.03	2189.03	3546.57	
126	DYN	11238.56						130.19
			.2	1510.57	2743.80	1818.22	3312.00	
			3.8	1510.57	2695.10	1818.22	3234.08	
127	DYN	2372.72						79.58
			.2	698.90	1210.52	767.97	1327.63	
			3.8	698.90	1306.42	767.97	1437.74	
128	DYN	24253.66						100.39
			.2	2192.35	4369.79	1780.36	3515.72	
			3.8	2192.35	3523.47	1780.36	2894.56	
129	DYN	10918.45						130.19
			.2	1826.57	3318.99	1461.29	2660.33	
			3.8	1826.57	3257.25	1461.29	2601.01	
130	DYN	2263.02						79.58
			.2	781.37	1347.01	657.13	1140.33	
			3.8	781.37	1466.79	657.13	1226.10	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 .1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT	LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
ID	COND	FORCE	ENDI	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
131	DYN	16033.61						100.39
			.2	2167.75	4309.78	1762.49	3494.54	
			3.8	2167.75	3495.22	1762.49	2851.51	
132	DYN	6627.68						130.19
			.2	1778.52	3238.68	1427.43	2598.09	
			3.8	1778.52	3164.51	1427.43	2541.41	
133	DYN	1177.31						79.58
			.2	728.55	1259.18	623.08	1081.91	
			3.8	728.55	1364.36	623.08	1162.03	
200	DYN	.00						135.46
			.2	.00	.00	4168.45	14378.35	
			7.1	.00	.00	4168.45	14383.94	
300	DYN	.00						111.04
			.2	.00	.00	3604.07	12485.35	
			7.1	.00	.00	3604.07	12382.77	
400	DYN	.00						41.09
			.2	.00	.00	1637.67	5677.53	
			7.1	.00	.00	1637.67	5622.39	
201	DYN	.00						84.40
			.2	.00	.00	2400.73	8072.05	
			7.1	.00	.00	2400.73	8494.20	
202	DYN	.00						86.48
			.2	.00	.00	2458.65	8600.37	
			7.1	.00	.00	2458.65	8364.29	
302	DYN	.00						69.24
			.2	.00	.00	2793.62	10671.11	
			7.1	.00	.00	2793.62	8604.86	
402	DYN	.00						25.06
			.2	.00	.00	1239.12	4779.61	
			7.1	.00	.00	1239.12	3770.47	
203	DYN	.00						189.54
			.2	.00	.00	3133.57	9894.82	
			7.0	.00	.00	3133.57	11726.84	
303	DYN	.00						143.23
			.2	.00	.00	2648.82	8272.48	
			7.0	.00	.00	2648.82	10004.79	
403	DYN	.00						75.19
			.2	.00	.00	1203.82	3690.08	
			7.0	.00	.00	1203.82	4616.40	

MODELO MATEMATICO EDIF.DE NEFROLOGIA . DUCT.=6 .1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
204	DYN	.00						222.11
			.2	.00	.00	2468.29	9638.49	
			7.1	.00	.00	2468.29	7392.75	
304	DYN	.00						96.79
			.2	.00	.00	2241.62	8598.71	
			7.1	.00	.00	2241.62	6868.81	
404	DYN	.00						48.14
			.2	.00	.00	963.13	3984.98	
			7.1	.00	.00	963.13	2661.03	
205	DYN	.00						72.17
			.2	.00	.00	3519.09	9795.86	
			7.1	.00	.00	3519.09	14485.95	
305	DYN	.00						190.09
			.2	.00	.00	2929.78	8451.52	
			7.1	.00	.00	2929.78	11764.05	
405	DYN	.00						81.01
			.2	.00	.00	1572.79	4065.35	
			7.1	.00	.00	1572.79	6787.28	
206	DYN	.00						350.82
			.2	.00	.00	4083.50	15553.59	
			2.6	.00	.00	4083.50	5760.39	
306	DYN	.00						233.15
			.2	.00	.00	3315.09	12455.32	
			2.6	.00	.00	3315.09	4506.49	
406	DYN	.00						77.60
			.2	.00	.00	2203.63	8111.90	
			2.6	.00	.00	2203.63	2831.52	
207	DYN	.00						271.66
			.2	.00	.00	3669.88	4713.06	
			2.1	.00	.00	3669.88	2449.24	
307	DYN	.00						220.94
			.2	.00	.00	3009.49	3661.71	
			2.1	.00	.00	3009.49	2215.87	
407	DYN	.00						138.04
			.2	.00	.00	2048.23	2241.90	
			2.1	.00	.00	2048.23	1790.01	
208	DYN	.00						315.40
			.2	.00	.00	3630.94	3424.86	
			2.1	.00	.00	3630.94	10497.93	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 .1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
308	DYN	.00						259.88
			.2	.00	.00	2983.26	3012.07	
			2.1	.00	.00	2983.26	8821.92	
408	DYN	.00						189.28
			.2	.00	.00	2050.85	2324.05	
			2.1	.00	.00	2050.85	6310.20	
209	DYN	.00						115.81
			.2	.00	.00	2006.35	6814.18	
			7.0	.00	.00	2006.35	7029.71	
309	DYN	.00						80.89
			.2	.00	.00	1835.61	6247.57	
			7.0	.00	.00	1835.61	6418.42	
409	DYN	.00						53.31
			.2	.00	.00	1058.25	4111.23	
			7.0	.00	.00	1058.25	3200.99	
210	DYN	.00						123.90
			.2	.00	.00	2680.91	8551.29	
			7.0	.00	.00	2680.91	9947.02	
310	DYN	.00						89.10
			.2	.00	.00	2351.33	7568.44	
			7.0	.00	.00	2351.33	8655.78	
410	DYN	.00						37.08
			.2	.00	.00	1042.59	3150.91	
			7.0	.00	.00	1042.59	4044.39	
211	DYN	.00						42.19
			.2	.00	.00	821.13	1140.60	
			2.6	.00	.00	821.13	830.13	
311	DYN	.00						33.31
			.2	.00	.00	656.84	892.65	
			2.6	.00	.00	656.84	683.77	
411	DYN	.00						16.08
			.2	.00	.00	363.50	554.97	
			2.6	.00	.00	363.50	317.66	
212	DYN	.00						32.43
			.2	.00	.00	669.03	689.14	
			2.1	.00	.00	669.03	615.55	
312	DYN	.00						24.92
			.2	.00	.00	655.65	669.81	
			2.1	.00	.00	655.65	608.77	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDF	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
412	DYN	.00	.2	.00	.00	395.90	341.19	24.90
			2.1	.00	.00	395.90	431.49	
213	DYN	.00	.2	.00	.00	1201.45	927.47	15.24
			2.1	.00	.00	1201.45	1415.57	
313	DYN	.00	.2	.00	.00	960.71	757.88	10.05
			2.1	.00	.00	960.71	1114.74	
413	DYN	.00	.2	.00	.00	729.29	588.94	11.69
			2.1	.00	.00	729.29	833.21	
214	DYN	.00	.2	.00	.00	4676.94	857.25	476.91
			2.4	.00	.00	4676.94	9829.93	
314	DYN	.00	.2	.00	.00	3820.20	625.20	360.16
			2.4	.00	.00	3820.20	8072.12	
414	DYN	.00	.2	.00	.00	1588.63	162.39	126.56
			2.4	.00	.00	1588.63	3439.85	
215	DYN	.00	.2	.00	.00	4133.49	5404.55	843.94
			2.4	.00	.00	4133.49	3897.29	
315	DYN	.00	.2	.00	.00	2971.54	3989.68	705.77
			2.4	.00	.00	2971.54	2708.40	
415	DYN	.00	.2	.00	.00	902.60	1493.15	403.76
			2.4	.00	.00	902.60	659.62	
216	DYN	.00	.2	.00	.00	1345.76	1633.64	41.39
			2.6	.00	.00	1345.76	1596.18	
316	DYN	.00	.2	.00	.00	1001.18	1216.93	29.37
			2.6	.00	.00	1001.18	1185.90	
416	DYN	.00	.2	.00	.00	814.74	977.55	26.64
			2.6	.00	.00	814.74	977.85	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.00SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
217	DYN	.00						17.17
			.2	.00	.00	1182.78	1405.31	
			2.1	.00	.00	1182.78	901.12	
317	DYN	.00						11.47
			.2	.00	.00	927.58	1083.32	
			2.1	.00	.00	927.58	744.98	
417	DYN	.00						12.03
			.2	.00	.00	833.55	941.10	
			2.1	.00	.00	833.55	684.34	
218	DYN	.00						39.44
			.2	.00	.00	740.67	625.27	
			2.1	.00	.00	740.67	819.06	
318	DYN	.00						31.96
			.2	.00	.00	641.06	559.86	
			2.1	.00	.00	641.06	690.25	
418	DYN	.00						32.87
			.2	.00	.00	560.73	525.98	
			2.1	.00	.00	560.73	567.47	
219	DYN	.00						252.47
			.2	.00	.00	2161.12	8461.28	
			7.1	.00	.00	2161.12	6450.50	
319	DYN	.00						218.02
			.2	.00	.00	1901.95	7275.28	
			7.1	.00	.00	1901.95	5848.27	
419	DYN	.00						104.49
			.2	.00	.00	789.78	3375.40	
			7.1	.00	.00	789.78	2077.21	
220	DYN	.00						62.26
			.2	.00	.00	2879.00	8167.35	
			7.1	.00	.00	2879.00	11697.83	
320	DYN	.00						69.06
			.2	.00	.00	2474.10	7272.31	
			7.1	.00	.00	2474.10	9799.16	
420	DYN	.00						64.36
			.2	.00	.00	1573.47	3983.73	
			7.1	.00	.00	1573.47	6877.02	
221	DYN	.00						712.65
			.2	.00	.00	14503.99	23662.35	
			2.6	.00	.00	14503.99	11147.34	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL DISF FORCE ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
321	DYN	.00	.2	.00	.00	10687.14	191.67
		2.6	.00	.00	10687.14	17373.35	8276.08
421	DYN	.00	.2	.00	.00	7374.17	325.72
		2.6	.00	.00	7374.17	12226.53	5471.79
222	DYN	.00	.2	.00	.00	2672.83	647.96
		2.1	.00	.00	2672.83	4713.33	516.77
322	DYN	.00	.2	.00	.00	3089.36	399.88
		2.1	.00	.00	3089.36	5750.91	304.79
422	DYN	.00	.2	.00	.00	2637.14	338.96
		2.1	.00	.00	2637.14	5130.83	160.02
223	DYN	.00	.2	.00	.00	2731.51	346.05
		2.1	.00	.00	2731.51	1247.03	6560.27
323	DYN	.00	.2	.00	.00	3097.75	167.70
		2.1	.00	.00	3097.75	1134.67	7164.50
423	DYN	.00	.2	.00	.00	2653.04	143.58
		2.1	.00	.00	2653.04	748.09	5903.91
224	DYN	.00	.2	.00	.00	1696.31	84.63
		7.0	.00	.00	1696.31	5521.78	6182.89
324	DYN	.00	.2	.00	.00	1583.95	104.60
		7.0	.00	.00	1583.95	5290.45	5638.94
424	DYN	.00	.2	.00	.00	864.19	56.07
		7.0	.00	.00	864.19	3252.71	2712.87
225	DYN	.00	.2	.00	.00	1813.50	116.81
		7.0	.00	.00	1813.50	6481.33	6032.19
325	DYN	.00	.2	.00	.00	1682.95	85.97
		7.0	.00	.00	1682.95	5908.53	5703.93

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.70SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DISP ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
425	DYN	.00	.2	.00	.00	809.92	2632.80	25.51
			7.0	.00	.00	809.92	2955.79	
226	DYN	.00	.2	.00	.00	1138.81	5167.16	1484.17
			4.9	.00	.00	1138.81	290.30	
227	DYN	.00	.2	.00	.00	1138.81	1313.46	460.69
			4.9	.00	.00	1138.81	4144.04	
228	DYN	.00	.2	.00	.00	4159.61	9262.33	206.51
			4.9	.00	.00	4159.61	10667.92	
328	DYN	.00	.2	.00	.00	3480.94	7763.41	126.51
			4.9	.00	.00	3480.94	8914.58	
428	DYN	.00	.2	.00	.00	1474.02	3201.56	51.07
			4.9	.00	.00	1474.02	3860.83	
229	DYN	.00	.2	.00	.00	1809.06	4495.86	205.48
			4.9	.00	.00	1809.06	4251.96	
329	DYN	.00	.2	.00	.00	1400.23	3454.54	168.14
			4.9	.00	.00	1400.23	3292.66	
429	DYN	.00	.2	.00	.00	599.01	1525.96	81.36
			4.9	.00	.00	599.01	1356.60	
230	DYN	.00	.2	.00	.00	1930.94	7188.49	231.38
			7.1	.00	.00	1930.94	6135.01	
330	DYN	.00	.2	.00	.00	1660.62	6149.35	186.25
			7.1	.00	.00	1660.62	5308.92	
430	DYN	.00	.2	.00	.00	777.65	2895.68	105.91
			7.1	.00	.00	777.65	2470.17	
231	DYN	.00	.2	.00	.00	1535.30	5260.58	82.00
			7.1	.00	.00	1535.30	5333.01	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
371	DYN	.00	.2	.00	.00	1362.57	4673.44	79.76
			7.1	.00	.00	1362.57	4728.28	
431	DYN	.00	.2	.00	.00	635.64	2195.04	18.34
			7.1	.00	.00	635.64	2190.95	
232	DYN	.00	.2	.00	.00	1529.28	5325.15	89.35
			7.0	.00	.00	1529.28	5226.95	
332	DYN	.00	.2	.00	.00	1362.04	4736.30	73.85
			7.0	.00	.00	1362.04	4661.82	
432	DYN	.00	.2	.00	.00	598.94	2118.40	31.41
			7.0	.00	.00	598.94	2014.36	
233	DYN	.00	.2	.00	.00	1811.47	5874.80	108.79
			7.0	.00	.00	1811.47	6627.92	
333	DYN	.00	.2	.00	.00	1595.13	5204.14	98.77
			7.0	.00	.00	1595.13	5803.83	
433	DYN	.00	.2	.00	.00	761.51	2396.64	62.97
			7.0	.00	.00	761.51	2858.67	
234	DYN	.00	.2	.00	.00	1888.30	6141.05	738.39
			2.1	.00	.00	1888.30	2378.79	
334	DYN	.00	.2	.00	.00	1728.25	5424.17	639.83
			2.1	.00	.00	1728.25	1987.84	
434	DYN	.00	.2	.00	.00	927.65	2645.89	355.55
			2.1	.00	.00	927.65	827.07	
235	DYN	.00	.2	.00	.00	1288.91	1888.78	238.48
			4.8	.00	.00	1288.91	4080.54	
335	DYN	.00	.2	.00	.00	1100.07	1588.68	226.44
			4.8	.00	.00	1100.07	3526.19	

MODELO MATEMATICO EDIF.DE NEFKOLOGIA , DUCT.=6 .1.003X+0.20SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
435	DYN	.00	.2	.00	.00	470.37	725.28	151.11
			4.8	.00	.00	470.37	1519.41	
236	DYN	.00	.2	.00	.00	922.10	3255.17	249.96
			7.0	.00	.00	922.10	3117.80	
336	DYN	.00	.2	.00	.00	841.58	2963.53	202.87
			7.0	.00	.00	841.58	2848.63	
436	DYN	.00	.2	.00	.00	392.66	1389.13	103.78
			7.0	.00	.00	392.66	1322.27	
237	DYN	.00	.2	.00	.00	4306.87	6466.34	574.45
			3.4	.00	.00	4306.87	7747.17	
337	DYN	.00	.2	.00	.00	3592.31	5412.71	380.96
			3.4	.00	.00	3592.31	6442.50	
437	DYN	.00	.2	.00	.00	1538.44	2167.96	250.45
			3.4	.00	.00	1538.44	2909.86	
238	DYN	.00	.2	.00	.00	842.89	1107.51	178.67
			4.8	.00	.00	842.89	3011.60	
338	DYN	.00	.2	.00	.00	841.01	961.83	197.01
			4.8	.00	.00	841.01	3126.86	
438	DYN	.00	.2	.00	.00	593.97	532.07	153.30
			4.8	.00	.00	593.97	2319.15	
239	DYN	.00	.2	.00	.00	2284.39	4645.72	1076.59
			1.3	.00	.00	2284.39	2114.22	
339	DYN	.00	.2	.00	.00	1809.49	3722.10	968.57
			1.3	.00	.00	1809.49	1806.79	
439	DYN	.00	.2	.00	.00	801.64	1450.72	521.01
			1.3	.00	.00	801.64	801.63	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 .1.00SX+0.30SY

FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
240	DYN	.00	.2	.00	.00	1274.05	1396.88	542.57
			3.5	.00	.00	1274.05	2818.13	
340	DYN	.00	.2	.00	.00	1262.41	1206.88	536.26
			3.5	.00	.00	1262.41	2969.77	
440	DYN	.00	.2	.00	.00	873.15	634.67	381.26
			3.5	.00	.00	873.15	2258.34	
241	DYN	.00	.2	.00	.00	2554.65	1984.34	523.43
			3.4	.00	.00	2554.65	6450.35	
341	DYN	.00	.2	.00	.00	2150.92	1805.41	435.21
			3.4	.00	.00	2150.92	5303.63	
441	DYN	.00	.2	.00	.00	1014.10	960.04	245.94
			3.4	.00	.00	1014.10	2418.49	
242	DYN	.00	.2	.00	.00	1494.93	4145.33	113.87
			4.9	.00	.00	1494.93	3097.56	
342	DYN	.00	.2	.00	.00	1157.63	3234.53	81.16
			4.9	.00	.00	1157.63	2352.53	
442	DYN	.00	.2	.00	.00	501.10	1460.13	34.46
			4.9	.00	.00	501.10	957.92	
243	DYN	.00	.2	.00	.00	6925.93	3295.30	311.39
			1.3	.00	.00	6925.93	5010.02	
343	DYN	.00	.2	.00	.00	4357.21	1770.71	328.51
			1.3	.00	.00	4357.21	3455.83	
443	DYN	.00	.2	.00	.00	889.42	459.47	316.78
			1.3	.00	.00	889.42	1278.04	
244	DYN	.00	.2	.00	.00	8473.97	4066.91	267.24
			1.3	.00	.00	8473.97	6094.65	

MODELO MATEMATICO EDIF.DE NEFROLOGIA . DUCT.=6 .1.00SX+0.30SY

## F R A M E   E L E M E N T   F O R C E S

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
344	DYN	.00						287.98
			.2	.00	.00	5221.21	2161.65	
			1.3	.00	.00	5221.21	4101.20	
444	DYN	.00						290.77
			.2	.00	.00	1008.06	482.83	
			1.3	.00	.00	1008.06	1439.98	
245	DYN	.00						92.34
			.2	.00	.00	9652.48	5680.02	
			1.3	.00	.00	9652.48	5893.96	
345	DYN	.00						107.88
			.2	.00	.00	6204.24	3626.90	
			1.3	.00	.00	6204.24	3812.41	
445	DYN	.00						119.85
			.2	.00	.00	1845.74	1000.48	
			1.3	.00	.00	1845.74	1213.28	
246	DYN	.00						103.20
			.2	.00	.00	7783.28	4576.24	
			1.3	.00	.00	7783.28	4756.46	
346	DYN	.00						117.52
			.2	.00	.00	5047.64	2946.44	
			1.3	.00	.00	5047.64	3106.07	
446	DYN	.00						123.64
			.2	.00	.00	1594.99	864.95	
			1.3	.00	.00	1594.99	1048.90	
247	DYN	.00						409.32
			.2	.00	.00	1022.41	3855.52	
			7.1	.00	.00	1022.41	3199.12	
347	DYN	.00						44.24
			.2	.00	.00	792.20	2956.49	
			7.1	.00	.00	792.20	2509.75	
447	DYN	.00						27.40
			.2	.00	.00	342.89	1315.86	
			7.1	.00	.00	342.89	1050.18	
248	DYN	.00						459.17
			.2	.00	.00	968.39	3612.69	
			7.1	.00	.00	968.39	3069.61	
348	DYN	.00						423.69
			.2	.00	.00	712.94	2641.17	
			7.1	.00	.00	712.94	2278.54	

MODELO MATEMATICO EDIF. DE NEFROLOGIA , DUCT.=6 , 1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
448	DYN	.00						217.85
			.2	.00	.00	287.23	1136.52	
			7.1	.00	.00	287.23	847.59	
249	DYN	.00						178.93
			.2	.00	.00	997.73	3424.08	
			7.1	.00	.00	997.73	3462.22	
250	DYN	.00						725.94
			.2	.00	.00	793.06	2685.97	
			7.1	.00	.00	793.06	2788.38	
350	DYN	.00						168.57
			.2	.00	.00	649.96	2206.20	
			7.1	.00	.00	649.96	2280.41	
450	DYN	.00						253.44
			.2	.00	.00	264.00	892.45	
			7.1	.00	.00	264.00	933.16	
251	DYN	.00						123.38
			.2	.00	.00	611.62	2283.13	
			7.1	.00	.00	611.62	1937.80	
351	DYN	.00						60.19
			.2	.00	.00	539.05	1926.34	
			7.1	.00	.00	539.05	1793.13	
451	DYN	.00						161.07
			.2	.00	.00	325.03	979.88	
			7.1	.00	.00	325.03	1265.78	
252	DYN	.00						456.94
			.2	.00	.00	1096.70	4126.81	
			7.1	.00	.00	1096.70	3440.44	
352	DYN	.00						377.73
			.2	.00	.00	840.45	3118.08	
			7.1	.00	.00	840.45	2681.11	
452	DYN	.00						240.17
			.2	.00	.00	358.09	1345.19	
			7.1	.00	.00	358.09	1125.75	
253	DYN	.00						121.31
			.2	.00	.00	1902.01	6500.61	
			7.1	.00	.00	1902.01	6623.24	
353	DYN	.00						121.72
			.2	.00	.00	1600.49	5551.72	
			7.1	.00	.00	1600.49	5491.68	

MODELO MATEMATICO EDIF. DE NEFROLOGIA , DUCT.=6 , 1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE		1-3 PLANE		AXIAL TORQ
				SHEAR	MOMENT	SHEAR	MOMENT	
453	DYN	.00						44.39
			.2	.00	.00	695.33	2403.42	
			7.1	.00	.00	695.33	2394.36	
254	DYN	.00						59.71
			.2	.00	.00	997.67	3456.40	
			7.1	.00	.00	997.67	3427.52	
354	DYN	.00						54.80
			.2	.00	.00	1071.42	4077.32	
			7.1	.00	.00	1071.42	3315.51	
454	DYN	.00						38.25
			.2	.00	.00	444.44	1688.40	
			7.1	.00	.00	444.44	1378.30	
255	DYN	.00						864.00
			.2	.00	.00	883.40	2702.37	
			2.3	.00	.00	883.40	1194.27	
355	DYN	.00						719.28
			.2	.00	.00	763.95	2296.48	
			2.3	.00	.00	763.95	891.89	
455	DYN	.00						262.72
			.2	.00	.00	419.81	1075.72	
			2.3	.00	.00	419.81	333.72	
256	DYN	.00						430.64
			.2	.00	.00	1000.14	1021.86	
			2.2	.00	.00	1000.14	1051.18	
356	DYN	.00						293.50
			.2	.00	.00	917.46	717.19	
			2.2	.00	.00	917.46	1162.66	
456	DYN	.00						436.12
			.2	.00	.00	491.69	262.39	
			2.2	.00	.00	491.69	794.41	
257	DYN	.00						415.28
			.2	.00	.00	2090.58	668.74	
			2.3	.00	.00	2090.58	3986.86	
357	DYN	.00						199.05
			.2	.00	.00	1377.78	439.71	
			2.3	.00	.00	1377.78	2642.25	
457	DYN	.00						203.17
			.2	.00	.00	1160.84	495.48	
			2.3	.00	.00	1160.84	2055.06	

MODELO MATEMATICO EDIF. DE NEFROLOGIA , DUCT.=6 , 1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
258	DYN	.00						114.18
			.2	.00	.00	447.07	457.32	
			2.3	.00	.00	447.07	472.50	
358	DYN	.00						102.23
			.2	.00	.00	332.95	345.67	
			2.3	.00	.00	332.95	354.16	
458	DYN	.00						44.63
			.2	.00	.00	161.91	179.36	
			2.3	.00	.00	161.91	160.74	
259	DYN	.00						120.23
			.2	.00	.00	358.77	366.04	
			2.2	.00	.00	358.77	370.72	
359	DYN	.00						78.99
			.2	.00	.00	272.28	277.87	
			2.2	.00	.00	272.28	279.59	
459	DYN	.00						108.35
			.2	.00	.00	184.46	158.69	
			2.2	.00	.00	184.46	224.29	
260	DYN	.00						162.64
			.2	.00	.00	480.93	472.91	
			2.3	.00	.00	480.93	573.13	
360	DYN	.00						111.00
			.2	.00	.00	350.99	351.74	
			2.3	.00	.00	350.99	411.67	
460	DYN	.00						93.07
			.2	.00	.00	308.39	319.75	
			2.3	.00	.00	308.39	351.00	
261	DYN	.00						116.80
			.2	.00	.00	177.10	150.59	
			2.3	.00	.00	177.10	222.19	
361	DYN	.00						99.94
			.2	.00	.00	130.02	114.39	
			2.3	.00	.00	130.02	159.84	
461	DYN	.00						75.15
			.2	.00	.00	112.37	94.73	
			2.3	.00	.00	112.37	141.60	
262	DYN	.00						6.56
			.2	.00	.00	272.65	286.33	
			2.2	.00	.00	272.65	265.82	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.00SY

## F R A M E   E L E M E N T   F O R C E S

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
362	DYN	.00						2.91
			.2	.00	.00	210.19	220.18	
			2.2	.00	.00	210.19	205.48	
462	DYN	.00						5.85
			.2	.00	.00	209.54	219.53	
			2.2	.00	.00	209.54	205.62	
263	DYN	.00						66.07
			.2	.00	.00	271.15	274.06	
			2.3	.00	.00	271.15	315.78	
363	DYN	.00						72.88
			.2	.00	.00	188.90	194.53	
			2.3	.00	.00	188.90	216.84	
463	DYN	.00						73.31
			.2	.00	.00	172.45	188.53	
			2.3	.00	.00	172.45	187.47	
264	DYN	.00						1996.45
			.2	.00	.00	2030.52	3145.72	
			2.3	.00	.00	2030.52	3223.12	
364	DYN	.00						1411.69
			.2	.00	.00	2210.26	2402.11	
			2.3	.00	.00	2210.26	2244.80	
464	DYN	.00						986.08
			.2	.00	.00	1608.47	1763.23	
			2.3	.00	.00	1608.47	1620.08	
265	DYN	.00						1667.90
			.2	.00	.00	1218.88	2627.39	
			2.2	.00	.00	1218.88	341.69	
365	DYN	.00						1242.24
			.2	.00	.00	1054.87	2213.46	
			2.2	.00	.00	1054.87	469.01	
465	DYN	.00						974.21
			.2	.00	.00	884.87	1917.12	
			2.2	.00	.00	884.87	413.22	
266	DYN	.00						738.97
			.2	.00	.00	1465.73	281.56	
			2.3	.00	.00	1465.73	3263.71	
366	DYN	.00						457.46
			.2	.00	.00	1119.23	452.94	
			2.3	.00	.00	1119.23	2459.52	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST END1	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
466	DYN	.00	.2	.00	.00	974.32	764.03	325.20
			2.3	.00	.00	974.32	2075.67	
267	DYN	.00	.2	.00	.00	257.01	1075.79	141.17
			4.9	.00	.00	257.01	171.21	
268	DYN	.00	.2	.00	.00	257.01	116.91	207.26
			4.9	.00	.00	257.01	1173.67	
269	DYN	.00	.2	.00	.00	1291.12	4085.06	272.26
			7.0	.00	.00	1291.12	4823.73	
369	DYN	.00	.2	.00	.00	1014.37	3172.10	185.90
			7.0	.00	.00	1014.37	3827.10	
469	DYN	.00	.2	.00	.00	440.60	1357.45	181.37
			7.0	.00	.00	440.60	1682.77	
270	DYN	.00	.2	.00	.00	816.51	2857.30	700.77
			7.0	.00	.00	816.51	2791.61	
370	DYN	.00	.2	.00	.00	657.84	2252.16	530.03
			7.0	.00	.00	657.84	2287.04	
470	DYN	.00	.2	.00	.00	388.67	1514.70	516.58
			7.0	.00	.00	388.67	1171.88	
271	DYN	.00	.2	.00	.00	739.17	2487.74	73.06
			7.0	.00	.00	739.17	2618.09	
371	DYN	.00	.2	.00	.00	567.40	1889.93	45.13
			7.0	.00	.00	567.40	2026.26	
471	DYN	.00	.2	.00	.00	319.38	1221.67	107.25
			7.0	.00	.00	319.38	985.33	
272	DYN	.00	.2	.00	.00	876.82	3071.15	171.59
			7.0	.00	.00	876.82	2979.40	

MODELO MATEMATICO EDIF.DE NEFROLOGIA , DUCT.=6 ,1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT	LOAD	AXIAL	DIST	1-2 PLANE		1-3 PLANE		AXIAL
ID	COND	FORCE	ENDJ	SHEAR	MOMENT	SHEAR	MOMENT	TORQ
372	DYN	.00						101.83
			.2	.00	.00	685.28	2790.45	
			7.0	.00	.00	685.28	2338.13	
472	DYN	.00						20.69
			.2	.00	.00	271.96	970.98	
			7.0	.00	.00	271.96	905.85	
273	DYN	.00						147.39
			.2	.00	.00	935.97	3288.56	
			7.0	.00	.00	935.97	3169.84	
373	DYN	.00						90.37
			.2	.00	.00	764.12	2631.05	
			7.0	.00	.00	764.12	2641.85	
473	DYN	.00						34.41
			.2	.00	.00	287.15	928.21	
			7.0	.00	.00	287.15	1058.49	
274	DYN	.00						121.40
			.2	.00	.00	959.62	3102.67	
			7.0	.00	.00	959.62	3520.61	
374	DYN	.00						91.35
			.2	.00	.00	769.03	2486.17	
			7.0	.00	.00	769.03	2821.07	
474	DYN	.00						38.49
			.2	.00	.00	301.09	914.27	
			7.0	.00	.00	301.09	1168.95	
275	DYN	.00						163.48
			.2	.00	.00	751.69	2645.22	
			7.0	.00	.00	751.69	2547.97	
375	DYN	.00						135.00
			.2	.00	.00	581.30	2051.36	
			7.0	.00	.00	581.30	1965.38	
475	DYN	.00						59.67
			.2	.00	.00	218.99	758.04	
			7.0	.00	.00	218.99	753.70	
276	DYN	.00						164.54
			.2	.00	.00	1071.63	3417.87	
			7.0	.00	.00	1071.63	3985.64	
376	DYN	.00						140.92
			.2	.00	.00	845.46	2704.23	
			7.0	.00	.00	845.46	3135.27	

MODELO MATEMATICO EDIF.DE NEFROLOGIA . DUCT.=6 .1.00SX+0.00SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST EN1	1-2 PLANE SHEAR	1-2 PLANE MOMENT	1-2 PLANE SHEAR	1-2 PLANE MOMENT	AXIAL TORQ
476	DYN	.00	.2	.00	.00	179.84	1153.23	52.51
			7.0	.00	.00	179.84	1471.67	
277	DYN	.00	.2	.00	.00	1647.38	4715.03	291.95
			4.9	.00	.00	1647.38	3757.32	
377	DYN	.00	.2	.00	.00	1256.07	3628.73	231.94
			4.9	.00	.00	1256.07	2697.15	
477	DYN	.00	.2	.00	.00	553.49	1793.57	136.23
			4.9	.00	.00	553.49	1086.15	
278	DYN	.00	.2	.00	.00	4254.34	6451.61	533.81
			3.4	.00	.00	4254.34	7588.38	
378	DYN	.00	.2	.00	.00	3741.50	5104.26	344.60
			3.4	.00	.00	3741.50	5923.04	
478	DYN	.00	.2	.00	.00	1368.98	1972.86	260.22
			3.4	.00	.00	1368.98	2545.34	
279	DYN	.00	.2	.00	.00	853.72	2876.70	63.01
			7.1	.00	.00	853.72	3014.13	
379	DYN	.00	.2	.00	.00	670.01	2275.16	62.68
			7.1	.00	.00	670.01	2347.98	
479	DYN	.00	.2	.00	.00	270.49	907.95	25.24
			7.1	.00	.00	270.49	958.65	
280	DYN	.00	.2	.00	.00	3236.07	7415.56	1029.25
			7.5	.00	.00	3236.07	3420.75	
380	DYN	.00	.2	.00	.00	2659.91	6092.21	794.99
			3.5	.00	.00	2659.91	2765.02	
480	DYN	.00	.2	.00	.00	1095.71	2501.47	288.10
			3.5	.00	.00	1095.71	1148.36	

MODELO MATEMATICO EDIF. DE NEFROLOGIA . DUCT.=6 .1.00SX+0.30SY

## FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDJ	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
281	DYN	.00	.2	.00	.00	1634.66	4452.15	213.83
			3.5	.00	.00	1634.66	1612.32	
381	DYN	.00	.2	.00	.00	1276.40	3538.04	170.55
			3.5	.00	.00	1276.40	1138.65	
481	DYN	.00	.2	.00	.00	532.26	1465.47	45.92
			3.5	.00	.00	532.26	447.86	
500	DYN	.00	.2	.00	.00	239.28	44.45	132.52
			2.1	.00	.00	239.28	422.94	
501	DYN	.00	.2	.00	.00	239.28	97.71	80.01
			2.3	.00	.00	239.28	400.32	
502	DYN	.00	.2	.00	.00	517.01	550.15	36.46
			2.3	.00	.00	517.01	535.62	
503	DYN	.00	.2	.00	.00	233.76	290.52	123.85
			2.2	.00	.00	233.76	199.47	
504	DYN	.00	.2	.00	.00	141.20	311.37	15.79
			2.2	.00	.00	141.20	25.49	
505	DYN	.00	.2	.00	.00	829.19	1022.56	18.02
			2.6	.00	.00	829.19	967.50	
506	DYN	.00	.2	.00	.00	858.12	927.64	18.18
			2.1	.00	.00	858.12	745.70	
507	DYN	.00	.2	.00	.00	454.27	461.51	15.48
			2.3	.00	.00	454.27	526.57	
508	DYN	.00	.2	.00	.00	364.43	368.24	42.09
			2.3	.00	.00	364.43	424.41	
509	DYN	.00	.2	.00	.00	91.57	112.33	145.74
			2.3	.00	.00	91.57	87.65	

MODELO MATEMATICO EDIF. DE NEFROLOGIA , DUCT.=6 .1.00SX+0.00SY

FRAME ELEMENT FORCES

ELT ID	LOAD COND	AXIAL FORCE	DIST ENDI	1-2 PLANE SHEAR	MOMENT	1-3 PLANE SHEAR	MOMENT	AXIAL TORQ
510	DYN	.00	.2	.00	.00	141.20	16.99	15.79
			2.7	.00	.00	141.20	324.03	
511	DYN	.00	.2	.00	.00	865.77	1018.71	21.49
			2.6	.00	.00	865.77	1059.15	
512	DYN	.00	.2	.00	.00	452.51	868.37	44.26
			2.1	.00	.00	452.51	46.36	
513	DYN	.00	.2	.00	.00	460.16	46.00	62.12
			2.1	.00	.00	460.16	895.12	