

>> Project3

Matrix1:

The System Matrix:

6.3000	8.2000	-7.5000	-3.7000
8.3000	2.7000	-8.1000	12.7500
-4.5000	0.9000	9.2000	11.2000

"Column"	"1"
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0.4758	0.1548	-0.4643	0.7308
0	-2.9262	0.6431	6.3646
0	-1.1246	-2.2877	-8.6173

"Column"	"2"
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0.4758	0.1548	-0.4643	0.7308
0	-2.9262	0.6431	6.3646
0	0	-7.4175	-32.3740

Solution Vector:

6.1910
-1.2158
4.3645

Matrix2:

The System Matrix:

5.0000	-1.2000	6.0000	-7.1000	-5.2000	-7.8000	-8.8000	-1.0000✓
-8.4000	5.9000	-8.3300					
-1.0000	-7.9000	-1.4000	7.1000	-1.7000	5.6000	-5.3000	0.9000✓
8.6000	2.9000	-33.4600					
-8.4000	9.3000	8.3000	2.5000	-9.1000	-2.2000	-3.0000	-4.1000✓
5.5000	-2.4000	13.7800					
-5.4000	-10.0000	-6.4000	-3.0000	8.1000	-5.2000	6.5000	4.9000✓
-0.3000	6.3000	-36.1100					
8.3000	5.5000	-4.7000	0.3000	8.9000	-1.9000	-9.7000	-6.3000✓
-1.3000	0.7000	-111.5100					
-7.0000	6.4000	-7.1000	-2.0000	-0.2000	-8.1000	-9.2000	3.8000✓
-1.1000	-3.0000	-104.6100					
6.5000	7.4000	-7.3000	-8.5000	-0.2000	-7.4000	-6.7000	-6.4000✓
-3.9000	8.8000	-107.3300					
0.8000	-8.4000	7.4000	-5.2000	-3.3000	8.9000	3.0000	-2.6000✓
0.2000	7.6000	94.9300					
10.0000	-2.0000	1.6000	-7.6000	8.0000	9.2000	4.7000	2.5000✓
0.2000	1.0000	40.0000					
10.7000	-10.4000	9.0000	-12.8000	4.7000	18.1000	7.7000	-0.1000✓
0.4000	8.6000	134.9900					

"Column"	"1"
----------	-----

0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749					
0	0.6856	0.0432	-0.4562	0.0974	-0.5635	0.3539	-0.0688✓
-0.6675	-0.2862	1.6107					
0	-0.0877	-1.1874	0.5833	0.4181	-0.9280	-0.2353	0.3229✓
-0.4493	-0.3363	-9.2540					
0	1.1783	0.1436	0.7310	-0.8092	-0.3040	-0.8026	-0.3747✓
0.0076	-0.8222	-2.4740					
0	-1.0484	0.9027	-0.7904	-0.4060	1.2318	1.2111	0.4808✓

0.1244	0.4614	16.7086						
	0	0.0312	0.0937	0.8016	-0.2221	-0.2891	0.3217	-0.2886✓
0.0648	-0.2029	1.2595						
	0	-1.0600	0.9866	0.0560	0.2361	1.4215	0.8792	0.4899✓
0.3202	-0.2763	14.6308						
	0	0.5890	-0.5198	0.3279	0.2822	-0.5832	-0.1873	0.2003✓
-0.0131	-0.5376	-6.5558						
	0	-0.5965	0.5263	-0.3371	-0.2788	0.5962	0.1929	-0.2004✓
0.0134	0.5438	6.6579						
	0	-0.2828	-0.1387	0.0864	0.5715	1.2563	0.9581	0.0737✓
0.6636	-0.1454	5.5182						

"Column" "2"

	0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749						
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504	-0.1169✓
0.0024	-0.2565	-0.7719						
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085	-0.1085✓
0.1650	0.1461	3.4700						
	0	0	0.0148	0.3241	-0.2089	0.1421	-0.3018	-0.0549✓
0.2470	-0.0707	-1.1214						
	0	0	-0.3788	0.0515	0.4140	-0.3534	-0.1827	-0.0542✓
-0.0482	0.0993	-5.3337						
	0	0	-0.0330	-0.2876	0.0738	0.1033	-0.1261	0.1025✓
-0.0237	0.0666	-0.4871						
	0	0	-0.4102	-0.2624	0.1808	-0.4221	-0.0578	-0.0562✓
-0.1202	0.3735	-4.5608						
	0	0	0.2175	0.0138	-0.2525	0.1585	-0.0786	-0.1425✓
0.0062	0.0465	1.9556						
	0	0	-0.2202	-0.0121	0.2531	-0.1626	0.0785	0.1434✓
-0.0064	-0.0469	-1.9873						
	0	0	0.0383	-0.0963	-0.1387	-0.4351	-0.2814	0.0060✓
-0.2446	0.1260	-1.8105						

"Column" "3"

	0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749						
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504	-0.1169✓
0.0024	-0.2565	-0.7719						
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085	-0.1085✓
0.1650	0.1461	3.4700						
	0	0	0	-0.1437	0.0884	-0.0563	0.1322	0.0221✓
-0.1044	0.0327	0.5366						
	0	0	0	0.0666	-0.1293	0.0205	0.0380	0.0645✓
-0.0416	-0.0983	0.9928						
	0	0	0	0.1322	-0.0276	-0.0562	0.0510	-0.0407✓
0.0048	-0.0336	0.0961						
	0	0	0	0.2097	-0.0243	0.0392	-0.0195	0.0688✓
-0.0157	-0.2215	0.5496						
	0	0	0	-0.0570	0.0806	0.0074	0.0576	0.0381✓
0.0332	0.0117	-0.0913						
	0	0	0	0.0569	-0.0805	-0.0066	-0.0578	-0.0382✓
-0.0336	-0.0119	0.0955						
	0	0	0	0.0327	0.0550	0.2016	0.1259	-0.0067✓
0.1121	-0.0489	0.9162						

"Column" "4"

0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749					
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504
0.0024	-0.2565	-0.7719					-0.1169✓
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085
0.1650	0.1461	3.4700					-0.1085✓
	0	0	0	0.3305	-0.0383	0.0618	-0.0307
-0.0247	-0.3492	0.8662					0.1084✓
	0	0	0	0	0.0402	-0.0027	-0.0146
0.0121	0.0093	-0.2704					-0.0141✓
	0	0	0	0	0.0041	0.0268	-0.0209
-0.0049	-0.0350	0.0827					0.0278✓
	0	0	0	0	-0.0237	0.0097	-0.0393
0.0381	0.0394	-0.3018					-0.0229✓
	0	0	0	0	-0.0245	-0.0060	-0.0173
-0.0096	0.0160	-0.0192					-0.0188✓
	0	0	0	0	0.0244	0.0057	0.0174
0.0097	-0.0159	0.0177					0.0188✓
	0	0	0	0	-0.0194	-0.0646	-0.0426
-0.0379	0.0048	-0.2745					0.0058✓

"Column" "5"

0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749					
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504
0.0024	-0.2565	-0.7719					-0.1169✓
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085
0.1650	0.1461	3.4700					-0.1085✓
	0	0	0	0.3305	-0.0383	0.0618	-0.0307
-0.0247	-0.3492	0.8662					0.1084✓
	0	0	0	0	0.0402	-0.0027	-0.0146
0.0121	0.0093	-0.2704					-0.0141✓
	0	0	0	0	0	-0.0011	0.0008
0.0002	0.0014	-0.0044					-0.0012✓
	0	0	0	0	0	-0.0003	0.0019
-0.0018	-0.0018	0.0185					0.0013✓
	0	0	0	0	0	0.0003	0.0011
0.0001	-0.0009	0.0074					0.0011✓
	0	0	0	0	0	-0.0003	-0.0011
-0.0001	0.0009	-0.0073					-0.0011✓
	0	0	0	0	0	0.0026	0.0020
0.0013	-0.0004	0.0163					0.0000✓

"Column" "6"

0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749					
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504
0.0024	-0.2565	-0.7719					-0.1169✓
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085
0.1650	0.1461	3.4700					-0.1085✓
	0	0	0	0.3305	-0.0383	0.0618	-0.0307
-0.0247	-0.3492	0.8662					0.1084✓
	0	0	0	0	0.0402	-0.0027	-0.0146
0.0121	0.0093	-0.2704					-0.0141✓

	0	0	0	0	0	0.1588	0.1197	0.0025✓
0.0772	-0.0223	0.9767						
	0	0	0	0	0		-0.0003	-0.0002✓
0.0003	0.0003	-0.0033						
	0	0	0	0	0		-0.0001	-0.0002✓
0.0000	0.0001	-0.0009						
	0	0	0	0	0		0.0001	0.0002✓
-0.0000	-0.0001	0.0009						
	0	0	0	0	0		-0.0003	0.0002✓
-0.0001	-0.0002	-0.0004						

"Column" "7"

	0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749						
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504	-0.1169✓
0.0024	-0.2565	-0.7719						
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085	-0.1085✓
0.1650	0.1461	3.4700						
	0	0	0	0.3305	-0.0383	0.0618	-0.0307	0.1084✓
-0.0247	-0.3492	0.8662						
	0	0	0	0	0.0402	-0.0027	-0.0146	-0.0141✓
0.0121	0.0093	-0.2704						
	0	0	0	0	0	0.1588	0.1197	0.0025✓
0.0772	-0.0223	0.9767						
	0	0	0	0	0		-0.0003	-0.0002✓
0.0003	0.0003	-0.0033						
	0	0	0	0	0		0	-0.0000✓
-0.0000	0.0000	0.0000						
	0	0	0	0	0		0	0.0000✓
0.0000	-0.0000	-0.0000						
	0	0	0	0	0		0	0.0000✓
-0.0000	-0.0000	0.0000						

"Column" "8"

	0.0773	-0.0751	0.0650	-0.0924	0.0339	0.1307	0.0556	-0.0007✓
0.0029	0.0621	0.9749						
	0	0.3677	0.0448	0.2281	-0.2525	-0.0949	-0.2504	-0.1169✓
0.0024	-0.2565	-0.7719						
	0	0	0.4326	-0.2345	-0.1316	0.3495	0.1085	-0.1085✓
0.1650	0.1461	3.4700						
	0	0	0	0.3305	-0.0383	0.0618	-0.0307	0.1084✓
-0.0247	-0.3492	0.8662						
	0	0	0	0	0.0402	-0.0027	-0.0146	-0.0141✓
0.0121	0.0093	-0.2704						
	0	0	0	0	0	0.1588	0.1197	0.0025✓
0.0772	-0.0223	0.9767						
	0	0	0	0	0		-0.0003	-0.0002✓
0.0003	0.0003	-0.0033						
	0	0	0	0	0		0	0.1547✓
-0.1479	-0.1970	0.9568						
	0	0	0	0	0		0	0✓
-0.0000	-0.0000	0.0000						
	0	0	0	0	0		0	0✓
0.0000	0.0000	-0.0000						

"Column" "9"

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    0.0773   -0.0751    0.0650   -0.0924    0.0339    0.1307    0.0556   -0.0007✓
0.0029    0.0621    0.9749
    0    0.3677    0.0448    0.2281   -0.2525   -0.0949   -0.2504   -0.1169✓
0.0024   -0.2565   -0.7719
    0    0    0.4326   -0.2345   -0.1316    0.3495    0.1085   -0.1085✓
0.1650    0.1461    3.4700
    0    0    0    0.3305   -0.0383    0.0618   -0.0307    0.1084✓
-0.0247   -0.3492    0.8662
    0    0    0    0    0.0402   -0.0027   -0.0146   -0.0141✓
0.0121    0.0093   -0.2704
    0    0    0    0    0    0.1588    0.1197    0.0025✓
0.0772   -0.0223    0.9767
    0    0    0    0    0    0    -0.0003   -0.0002✓
0.0003    0.0003   -0.0033
    0    0    0    0    0    0    0    0.1547✓
-0.1479   -0.1970    0.9568
    0    0    0    0    0    0    0    0    0✓
-0.0000   -0.0000    0.0000
    0    0    0    0    0    0    0    0    0✓
0    0.0000   -0.0000

```

Solution Vector:

```

-0.6000
-1.9000
 4.3000
-0.7000
-3.2000
 4.1000
 4.8000
-0.6000
-3.9000
-2.4000

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