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Ex 6.281

$$\begin{cases} x_1 - 2x_2 - x_3 + 3x_4 = 10 \\ 2x_1 + 3x_2 + x_3 = 8 \\ x_1 - 4x_2 - 2x_3 = -5 \\ -x_2 + 5x_3 + x_4 = -7 \end{cases}$$

$$A = \begin{bmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{bmatrix} \quad B = \begin{bmatrix} 10 \\ 8 \\ -5 \\ -7 \end{bmatrix}$$

$$C = A \cdot B$$

$$C = \begin{bmatrix} -1 \\ 2 \\ -3 \\ 4 \end{bmatrix}$$

t	y	t	y	t	y	t	y
0	-1.0000	1.2	1.6375	2.2	5.0617	4.2	8.7900
0.1	-0.8555	1.5	1.8637	2.4	5.5223	4.3	9.0692
0.2	-0.7024	1.6	2.0903	3.0	5.5844	4.4	9.3482
0.3	-0.5418	1.8	2.3266	3.1	5.8473	4.5	9.6112
0.4	-0.3726	1.8	2.5628	3.2	6.1116	4.6	9.8821
0.5	-0.1969	1.9	2.8021	3.3	6.3720	4.7	10.1529
0.6	-0.0146	2.0	3.0444	3.4	6.6453	4.8	10.4250
0.7	0.1738	2.1	3.2887	3.5	6.9106	4.9	10.6935
0.8	0.3681	2.2	3.5358	3.6	7.1787	5.0	10.9632
0.9	0.5679	2.3	3.7858	3.7	7.4470	5.1	11.2325
1.0	0.7727	2.4	4.0367	3.8	7.7167	5.2	11.5012
1.1	0.9824	2.5	4.2893	3.9	7.9866	5.3	11.7692
1.2	1.1966	2.6	4.5458	4.0	8.2568	5.4	12.0365
1.3	1.4150	2.7	4.8050	4.1	8.5274	5.5	12.3031

t	y	t	y	t	y
5.6	12.5622	7.2	14.6509	8.8	20.2696
5.7	12.8385	7.5	14.9925	8.9	20.4758
5.8	13.0975	7.4	14.7122	9.0	20.6807
5.9	13.3400	7.5	14.5700	9.1	20.8850
6.0	13.5216	7.6	14.6058	9.2	21.0933
6.1	13.6820	7.7	14.8596	9.3	21.2910
6.2	14.0112	7.8	15.0113	9.4	21.4774
6.3	14.5990	7.9	15.3009	9.5	21.6694
6.4	14.6535	8.0	15.5284	9.6	21.8400
6.5	14.9105	8.1	15.7338	9.7	22.0412
6.6	15.1600	8.2	15.9770	9.8	22.2841
6.7	15.4160	8.3	16.1476	9.9	22.4725
6.8	15.6664	8.4	16.4166	10.0	22.5917
6.9	15.9157	8.5	16.6531		
7.0	16.2074	8.6	16.9472		
7.1	16.6509	8.7	20.0591		

