

```

Exit[]

d = Table[0, {5}, {6}]

{{0, 0, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 0}, {0, 0, 0, 0, 0, 0}}

d[[1, 1]] = 2.400000000000000; d[[2, 1]] = 0.000000000000000;
d[[3, 1]] = 2.880000000000000; d[[4, 1]] = 0.000000000000000;
d[[5, 1]] = 0.000000000000000; d[[1, 2]] = -2.400000000000000;
d[[2, 2]] = 0.000000000000000; d[[3, 2]] = 2.880000000000000;
d[[4, 2]] = 0.000000000000000; d[[5, 2]] = 0.000000000000000;
d[[1, 3]] = 0.000000000000000; d[[2, 3]] = 2.400000000000000;
d[[3, 3]] = 0.000000000000000; d[[4, 3]] = 0.000000000000000;
d[[5, 3]] = 2.880000000000000; d[[1, 4]] = 0.000000000000000;
d[[2, 4]] = -2.400000000000000; d[[3, 4]] = 0.000000000000000;
d[[4, 4]] = 0.000000000000000; d[[5, 4]] = 2.880000000000000;
d[[1, 5]] = 2.400000000000000; d[[2, 5]] = 2.400000000000000;
d[[3, 5]] = 2.880000000000000; d[[4, 5]] = 5.760000000000000;
d[[5, 5]] = 2.880000000000000; d[[1, 6]] = -2.400000000000000;
d[[2, 6]] = -2.400000000000000; d[[3, 6]] = 2.880000000000000;
d[[4, 6]] = 5.760000000000000; d[[5, 6]] = 2.880000000000000;
b1 = {3.07200000000000023, 3.07200000000000023,
      209.715200000000038, 209.715200000000035, 209.715200000000038};
b2 = {3.07200000000000023, 3.07200000000000018, 209.715200000000038,
      209.715200000000032, 209.715200000000029};
x2 = {36.408888888888924, 3.2700837644209156  $\times 10^{-14}$ , 36.408888888888910,
      0.00000000000000000, 0.64000000000002233, 35.768888888888931};
x1 = {0.64000000000002844, 35.768888888888931, 0.64000000000001200,
      35.768888888888959, 36.408888888888953, 0.00000000000000000}

{0.64, 35.7689, 0.64, 35.7689, 36.4089, 0.}

Norm[d.x2 - b1]

1.25408  $\times 10^{-13}$ 

Norm[d.x1 - b2]

1.74448  $\times 10^{-13}$ 

d // MatrixForm

```

$$\begin{pmatrix} 2.4 & -2.4 & 0. & 0. & 2.4 & -2.4 \\ 0. & 0. & 2.4 & -2.4 & 2.4 & -2.4 \\ 2.88 & 2.88 & 0. & 0. & 2.88 & 2.88 \\ 0. & 0. & 0. & 0. & 5.76 & 5.76 \\ 0. & 0. & 2.88 & 2.88 & 2.88 & 2.88 \end{pmatrix}$$