```
> with(linalg):
  with(LinearAlgebra):
  A := Matrix(31, 31, 0):
  for i from 1 to 30 do
      A[i, i + 1] := 1:
  od:
  A[28, 1] := 1:
  A[31, 1] := 1:
  printf("A = ");
  evalm(A);

A =
```

(1)

$$\begin{bmatrix}
0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&0&0&1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0\\
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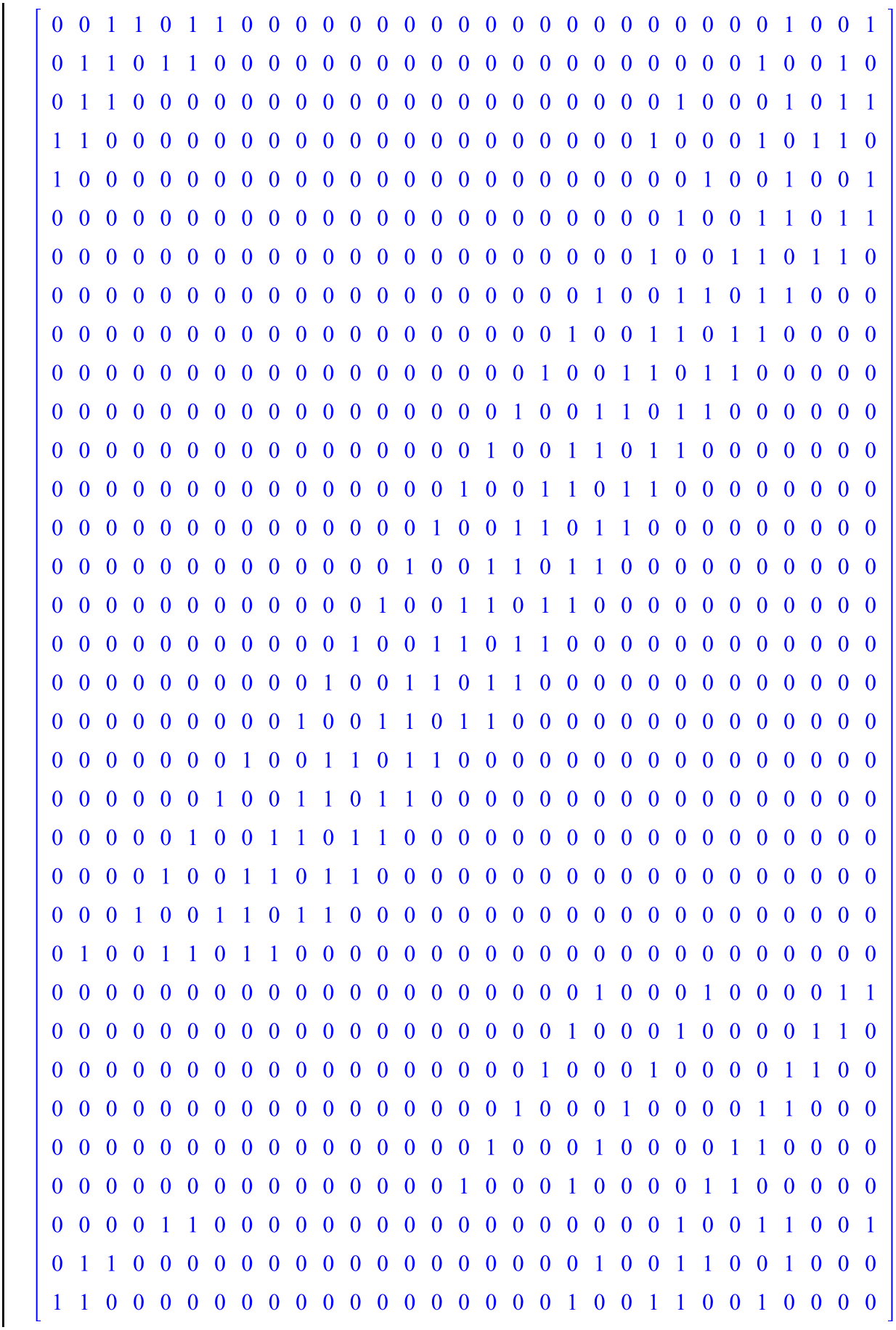
0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&1&0&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&1&0&0&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&1&0&0&0\\
1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&1&0&0\\
0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&1&0\\
0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&1\\
1&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0
\end{bmatrix} \quad (1)$$

```
> L := Vector([31, 32, 35, 36, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26,
      27, 29, 38, 39, 40, 41, 42, 43, 63, 66, 67]) :
  F := Vector([0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1]) :
  X := Vector([1, 0, 1, 1, 1, 0, 1, 0, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1,
```

```
        1, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1,
        0, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1, 0, 0, 0, 1, 0, 1, 0, 1 ]) :
   printf("F =");
   evalm(F);
   printf("L =");
   evalm(L);
   printf("X =");
   evalm(X);
F =
  [ 0  0  0  0  0  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1 ]
L =
[31, 32, 35, 36, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 29, 38,
    39, 40, 41, 42, 43, 63, 66, 67]
X =
[1, 0, 1, 1, 1, 0, 1, 0, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 1, 0, 1, 0, 0,
    1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0, 1, 0, 0, 1,
    0, 0, 1, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1, 0, 0, 0, 1, 0, 1, 0, 1]
```

(2)

```
> C := Matrix(34, 31) :
   printf("C =");
   for i from 1 to 34 do
     tmp := (MatrixVectorMultiply(MatrixPower(A, L[i]), F) mod 2) :
     for j from 1 to 31 do
      C[i, j] := tmp[j] :
     od;
   od:
   evalm(C);
   for i from 1 to 34 do
     printf("Ligne %d \n", i);
     printf("    ");
     for j from 1 to 31 do
       if C[i, j] = 1 then
          printf( "s%d  ", 31 − j);
       fi;
     od;
     printf("\n");
   od;
C =
```



```
Ligne 1
    s28  s27  s25  s24  s3  s0
Ligne 2
    s29  s28  s26  s25  s4  s1
Ligne 3
    s29  s28  s7  s3  s1  s0
Ligne 4
    s30  s29  s8  s4  s2  s1
Ligne 5
    s30  s6  s3  s0
Ligne 6
    s7  s4  s3  s1  s0
Ligne 7
    s8  s5  s4  s2  s1
Ligne 8
    s10  s7  s6  s4  s3
Ligne 9
    s11  s8  s7  s5  s4
Ligne 10
    s12  s9  s8  s6  s5
Ligne 11
    s13  s10  s9  s7  s6
Ligne 12
    s14  s11  s10  s8  s7
Ligne 13
    s15  s12  s11  s9  s8
Ligne 14
    s16  s13  s12  s10  s9
Ligne 15
    s17  s14  s13  s11  s10
Ligne 16
    s18  s15  s14  s12  s11
Ligne 17
    s19  s16  s15  s13  s12
Ligne 18
    s20  s17  s16  s14  s13
Ligne 19
    s21  s18  s17  s15  s14
Ligne 20
    s23  s20  s19  s17  s16
Ligne 21
    s24  s21  s20  s18  s17
Ligne 22
    s25  s22  s21  s19  s18
Ligne 23
    s26  s23  s22  s20  s19
Ligne 24
    s27  s24  s23  s21  s20
Ligne 25
    s29  s26  s25  s23  s22
Ligne 26
    s10  s6  s1  s0
Ligne 27
    s11  s7  s2  s1
Ligne 28
    s12  s8  s3  s2
Ligne 29
```

```
    s13  s9  s4  s3
Ligne 30
    s14  s10  s5  s4
Ligne 31
    s15  s11  s6  s5
Ligne 32
    s26  s25  s7  s4  s3  s0
Ligne 33
    s29  s28  s10  s7  s6  s3
Ligne 34
    s30  s29  s11  s8  s7  s4
```

```
> for i from 1 to 34 do
    B := Vector(34, 0) :
    B[i] := 1 :
    for j from 1 to 34 do
      B[j] := (X[L[j] + 1] + B[j]) mod 2 :
    od:
   Linsolve(C, B) mod 2;
  od;
```

$$B := \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_1 := 1$$

$$\begin{bmatrix} 1 \,..\, 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_2 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_3 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_4 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_5 := 1$$

$$\begin{bmatrix} 1 \,..\, 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_6 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_7 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_8 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_9 := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{10} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{11} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{12} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 \text{ .. } 34 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{13} := 1$$

$$Linsolve\left(\begin{bmatrix} 34 \text{ x } 31 \ Matrix \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}, \begin{bmatrix} 1 \text{ .. } 34 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 \text{ .. } 34 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{14} := 1$$

$$\begin{bmatrix} 1 \text{ .. } 31 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \text{ .. } 34 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{15} := 1$$

$$\begin{bmatrix} 1 \text{ .. } 31 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \text{ .. } 34 \ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{16} := 1$$

$$\begin{bmatrix} 1 \,..\, 31 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{17} := 1$$

$$\begin{bmatrix} 1 \,..\, 31 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{18} := 1$$

$$\begin{bmatrix} 1 \,..\, 31 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{19} := 1$$

$$\begin{bmatrix} 1 .. 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{20} := 1$$

$$\begin{bmatrix} 1 .. 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{21} := 1$$

$$\begin{bmatrix} 1 .. 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{22} := 1$$

$$\begin{bmatrix} 1 .. 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{23} := 1$$

$$\begin{bmatrix} 1 \,..\, 31 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{24} := 1$$

$$\begin{bmatrix} 1 \,..\, 31 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{25} := 1$$

$$\begin{bmatrix} 1 \,..\, 31 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1 \,..\, 34 \; Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{26} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{27} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{28} := 1$$

$$\begin{bmatrix} 1\ ..\ 31\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{29} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{30} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{31} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}$$

$$B_{32} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}, \begin{bmatrix} 1\ ..\ 34\ Vector_{column} \\ Data\ Type:\ anything \\ Storage:\ rectangular \\ Order:\ Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{33} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}, \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}\right)$$

$$B := \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}$$

$$B_{34} := 1$$

$$Linsolve\left(\begin{bmatrix} 34\ x\ 31\ Matrix \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}, \begin{bmatrix} 1 .. 34\ Vector_{column} \\ Data\ Type: anything \\ Storage: rectangular \\ Order: Fortran\_order \end{bmatrix}\right) \quad \textbf{(3)}$$

>