Problem – Code Generation for Array Expressions

var a[80][35][10] of integer;

for (k=0, k<10; skj++) {
    for (j=0, j<35; j++) {
        for (i=0; i<80; i++) {
            = ... a[i][j][k] /*1*/
        }
    }
}

Generate ILOC code for the reference to three-dimensional array a at program point /*1*/ assuming

1. row-major order (rightmost index has stride 1)
2. column-major order (leftmost index has stride 1)

You do not need to show the enclosing code for the loop.

You can use the symbolic address @a to represent the base address of the array. The indexing is 0-based, i.e., a[0][0][0] is the first array element.