

Consider the following array and array reference: A[3,5]

	1	2	3	4	5	6
1						
2						
3						
4						
5						

Calculate the offset, assuming row-major order:

$$@A + ((i_1 - \text{low}_1) \times (\text{high}_2 - \text{low}_2 + 1) + i_2 - \text{low}_2) \times \text{sizeof}(A[1])$$

Calculate the offset, assuming column-major order:

$$@A + ((i_2 - \text{low}_2) \times (\text{high}_1 - \text{low}_1 + 1) + i_1 - \text{low}_1) \times \text{sizeof}(A[1])$$