**When to put a dot in front of the \*, /, and ^ operators**

**\* operator**

If the expression on both sides of the **\*** contains an array, then

To do element by element multiplication, put a dot in front of the **\***

To do matrix multiplication, do not put a dot in front of the **\***

If the expression on one side of the **\*** contains an array but the expression on the other side

does not contain an array, no dot is needed in front of the **\***

If neither expression contains an array, no dot is needed in front of the **\***

**/ operator**

If the expression on the right side of the **/** contains an array, put a dot in front of the **/**

(it doesn’t matter about the expression on the left side)

If the expression on the right side of the **/** does not contain an array, no dot is needed

in front of the **/** (it doesn’t matter about the expression on the left side)

**^ operator**

If the expression on either side of the **^** contains an array, put a dot in front of the **^**

If neither expression contains an array, no dot is needed in front of the **^**