### Dimensions

- **Dimensions[expr]** gives a list of the dimensions of *expr*.
- **Dimensions[expr, n]** gives a list of the dimensions of *expr* down to level *n*.

*expr* must be a full array, with all the pieces of *expr* at a particular level having the same length. (The elements of *expr* can then be thought of as filling up a hyper-rectangular region.) Each successive level in *expr* sampled by **Dimensions** must have the same head. Example: **Dimensions[{{a, b, c}, {d, e, f}}]** → {2, 3}. See page 440. See also: TensorRank, VectorQ, MatrixQ.