**Accumulate**

Accumulate[f, g[e1, e2, ...]] gives g[e1, f[e1, e2], f[f[e1, e2], e3], ...].

Accumulate[Plus, {e1, e2, ...}] gives cumulative sums of elements in a list. When you use Accumulate on a list of length n, you get a list of length n. Accumulate is a generalized "prefix operation." See page 182. See also: Apply, Nest, NestList, Partition.