

```

sum ← 0;  cs ← 0;  ccs ← 0;
for i ∈ 0..n - 1 do
    t ← sum + x[i];
    if |sum| ≥ |x[i]| then c ← (sum - t) + x[i];
    else c ← (x[i] - t) + sum;
    sum ← t;
    t ← cs + c;
    if |cs| ≥ |c| then cc ← (cs - t) + c;
    else c ← (c - t) + cs;
    cs ← t;  ccs ← ccs + cc;
return sum + cs + ccs

```

KahanSum

attributes

methods

`__init__()` -> None

`add(value: int | float)` -> None

`result()` -> int | float