

```

sum  $\leftarrow$  0;  cs  $\leftarrow$  0;  ccs  $\leftarrow$  0;
for  $i \in 0..n - 1$  do
     $t \leftarrow sum + x[i];$ 
    if  $|sum| \geq |x[i]|$  then  $c \leftarrow (sum - t) + x[i];$ 
    else  $c \leftarrow (x[i] - t) + sum;$ 
     $sum \leftarrow t;$ 
     $t \leftarrow cs + c;$ 
    if  $|cs| \geq |c|$  then  $cc \leftarrow (cs - t) + c;$ 
    else  $c \leftarrow (c - t) + cs;$ 
     $cs \leftarrow t;$    $ccs \leftarrow ccs + cc;$ 
return  $sum + cs + ccs$ 

```

KahanSum	
	attributes
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<code>__init__() -&gt; None</code>	methods