

```

1 void saxpy_cilk(
2     int n,      // the number of elements in the vectors
3     float a,    // scale factor
4     float x[],  // the first input vector
5     float y[]   // the output vector and second input vector
6 ) {
7     cilk_for (int i = 0; i < n; ++i)
8         y[i] = a * x[i] + y[i];
9 }

```

LISTING 4.3

SAXPY in Cilk Plus using `cilk_for`.