SLP is usually good enough

```
long tmp1, tmp2, A[], B[], C[], D[], E[];
tmp1 = B[i+0] + D[i+0];
tmp2 = B[i+1] + D[i+1];
A[i+0] = tmp1;
A[i+1] = tmp2;

C[i+0] = (tmp1 + E[i+0]) << 1;
C[i+1] = (tmp2 + E[i+1]) << 2;
```