

SUM-ARRAYS'(A, B, C, n)

```
1  grain-size = ?           // to be determined
2   $r = \lceil n / \textit{grain-size} \rceil$ 
3  for  $k = 0$  to  $r - 1$ 
4      spawn ADD-SUBARRAY( $A, B, C, k \cdot \textit{grain-size} + 1,$   
                            $\min\{(k + 1) \cdot \textit{grain-size}, n\}$ )
5  sync
```

ADD-SUBARRAY(A, B, C, i, j)

```
1  for  $k = i$  to  $j$ 
2       $C[k] = A[k] + B[k]$ 
```