

**P-SCAN-1**( $x, n$ )

```
1  let  $y[1 : n]$  be a new array
2  P-SCAN-1-AUX( $x, y, 1, n$ )
3  return  $y$ 
```

**P-SCAN-1-AUX**( $x, y, i, j$ )

```
1  parallel for  $l = i$  to  $j$ 
2       $y[l] = \text{P-REDUCE}(x, 1, l)$ 
```