## 10.6

```
第一阶段时间: T(1)=\Theta(n/p) T(MAX.TOURNAMENT)=\Theta(p) T(HC.BROADCAST)=\Theta(p) 第二阶段时间: T(2)=\Theta(n(n/p+p+n+p+n^2/p))=\Theta(n^2/p+np+n^2+n^3/p) 第三阶段时间: T(3)=\Theta(n/p) 总时间: T=\Theta(n^2/p+np+n^2+n^3/p+n/p)
```

## 11.5

```
Begin
 1
              for k=0 to n-1 do
 2
                      c k = a k
 3
              endfor
 4
              for h = logn-1 to 0 do
 5
                      p = 2^h
 6
                      q = n/p
 7
                      z = w^{\prime}(q/2)
 8
                      for k=0 to n-1 do
9
                               if(k \mod p == k \mod (2p)) then
10
                                       c k temp = c k
11
                                       c_k = c_k + c_{k+p} // 将 c_{k+p} 加到 c_k 上
12
                                       c_{k+p} = (c_{k-temp} - c_{k+p})z^{k} \mod p
13
14
                               endif
                      endfor
15
              endfor
16
              for k=0 to n-1 do
17
                      b_{r(k)} = c_k // r(k)表示对k按位取反
18
              endfor
19
     End
20
21
```

