Algorithm 1: Handling Inconsistent Blockchain Views (G_0, B_0)

```
Input: Blockchain graph G_0, genesis block B_0
    Output: Main View v_0
 1 S_0 \leftarrow \emptyset
 2 foreach B \in G do
       s \leftarrow \text{BlocktoSubgroup}(B)
 3
       if B' \in S_0 then
 4
 5
           \mathbf{S}
       else
 6
           d
 7
       end
 9 end
    // Find all subgroups
10 foreach B \in G do
       foreach s \in S_0 do
11
            W(s) \leftarrow 0
12
            foreach v \in SubviewsBeginwith(s) do
13
                if B \in v then
14
                    W(s) \leftarrow W(s) + \text{MININGPOWER}(B)
15
                    continue
16
                end
           end
18
       \quad \text{end} \quad
19
20 end
21 s \leftarrow \text{BlocktoSubgroup}(B_0)
22 if CHILDSUBROUPS(s) = \emptyset then
       return s
23
24 else
                                           W(s')
25
       Update s \leftarrow
                           arg max
                      s' \in \text{CHILDSUBROUPS}(s)
       Go to line 15
26
27 end
28 Function FindSubgroups(G_0):
       v \leftarrow v \cup \mathcal{S}
29
       U \leftarrow U \cup \{v\}
30
       if S is genesis then
31
           return v, U
32
33
       else
           Address (S.predecessors, G, v, U)
34
35
       end
```