7.Y

```
// preprocessing
// assumption: singleton nodes are centers according to the definition.
global T = (V, E);
global adj[1...n];
global leaf [];
global center [];
global leftover [];
procedure preprocess(T);
   for v in T do
      v.val <- adj[v].length;
      if v.val = 1 then leaf.append(v);
      else if v.val = 0 then center.append(v);
      else leftover.append(v);
      end if;
   end for;
end_preprocess;

procedure leafBiting(T);
   while leftover ⩾ 2 do
      v <- leaf.pop;
      for k in adj[v] do
         leaf.append(k);
         leftover.remove(k);
      end for;
   end while;
   // at this point, leftover should have 1 or 2 nodes that are the centers
   for v in leftover do
      center.append(v);
   end for;

   for v in center do
      print(v);
   end for;
end_leafBiting;
```

I believe mine algorithm is close to the solution. I called my queues center and leftover.