```
procedure RANDOMSUBSETS(S, size) → {C}
    ▷ Assign a random number to each node                    ◁
    for i ∈ S do
    └   random_i ← RANDOM({0, 1}^n)
    ▷ Sort nodes by their random number                      ◁
    ordered = SORT(S, random)
    ▷ Partition the list into consensus sets                 ◁
    {C} = PARTITION(ordered, size)
    return {C}
```