```
1  merge_call_site:
2      input: Threshold T, Program P
3      output: Program P'
4      if (ℓb, ℓ1, ℓ2) = find_joinable_calls(P):
5          P' = merge_cfg(P, ℓb, ℓ1, ℓ2)
6          return merge_call_site(T, P')
7      else:
8          P' = P
9          return P'
10
11 find_joinable_calls():
12     input: Threshold T, Program P
13     output: (Label ℓb, Label ℓ1, Label ℓ2)
14     for each branch ℓb in P:
15         let ℓp = post-dominator of ℓb
16         if ∃ path t1 from ℓb to ℓp
17             ∃ path t2 from ℓb to ℓp
18           t1 ∩ t2 = ∅
19           t1 ⊃ call to F at ℓ1
20           t2 ⊃ call to F at ℓ2
21               return (ℓb, ℓ1, ℓ2)
```