```
procedure propagateClauses(k : ℕ)
    for i from 1 to k
        for every clause c ∈ F_i
            if F_i ∧ R ∧ ¬c′ is UNSAT then
                F_{i+1} := F_{i+1} ∧ c
            end if
        end for
    end for
end procedure
```