```
                          ┌─────────┐
                          │  Start  │
                          └────┬────┘
                               │
                               ▼
                        ◇ F contains ──── Yes ────▶ ( End )
                          empty clause
                               │ No
                               ▼
                        ◇ exists a unit clause
                          xClause in F
                               │ Yes
                               ▼
                        ┌──────────────┐
                        │ assign xLiteral │
                        └──────────────┘
                               │
                               ▼
                        ◇ exists an ──── Yes ──┐
                          yClause in F          │
                          which contains        ▼
                          xLiteral        ┌──────────────┐
                               │ No       │ F = F \ {yClause} │
                               │          └──────────────┘
                               ▼
                        ◇ exists an ──── Yes ──┐
                          zClause in F          ▼
                          which contains   ┌────────────────────┐
                          ¬xLiteral        │ newZClause = zClause \ │
                               │ No        │       {¬xLiteral}       │
                               │           └────────────────────┘
                               │           ┌────────────────────┐
                               │           │ F = F \ {zClause} U    │
                               ▼           │      {newZClause}      │
                        ┌──────────────┐   └────────────────────┘
                        │ ρ = ρ U {xLiteral} │
                        └──────────────┘
```

Left-side annotations:

1: xClause = {C}
2: xClause = {B}

1: xLiteral = C
2: xLiteral = B

1.1: yClause = {C}
2.1: yClause = {A,B}
2.2: yClause = {B}

1.1: F= {{A,B},{B, ¬C}}
2.1: F= {B}
2.2: F= {}

1.1: zClause = {B, ¬C}

1.1: newZClause = {B}

1.1: F= {{A,B},{B}}

1: ρ = {C}
2: ρ = {B,C}