Algorithm 1: Inserting ϕ nodes (minimal SSA)

```
for each t ∈ vars do
    S ← {n|t ∈ Defs(n)} ;
    Comupters DF+;
    for each n ∈ DF+ do
        Insert a φ node for t at n;
```

只计算“局部”变量；“全局”变量是指那些在此基本块中没被赋值而被使用的，即其 liveness 穿过了 Basic Block 的边界

Algorithm 2: Inserting ϕ nodes for globals (semi-pruned SSA)

```
for each t ∈ vars do
    if t ∈ globals then
        S ← {n|t ∈ Defs(n)} ;
        Comupters DF+;
        for each n ∈ DF+ do
            Insert a φ node for t at n;
```

Algorithm 3: Inserting fewest ϕ nodes (pruned SSA)

```
for each t ∈ vars do
    if t ∈ globals then
        S ← {n|t ∈ Defs(n)} ;
        Comupters DF+;
        for each n ∈ DF+ do
            if t live-in at n then
                Insert a φ node for t at n;
```