

Engineering a Compiler

Revised text for Figure 8.8, page 420

```
VAR_KILL ← ∅
DEEXPR ← ∅

for i = number of ops in n to 1
    assume operation oi is "x ← y op z"
    VAR_KILL ← VAR_KILL ∪ {x}
    if (y ∉ VAR_KILL) and (z ∉ VAR_KILL)
        then add "y op z" to DEEXPR(n)

EXPR_KILL(n) ← ∅

for each expression e in the procedure
    for each variable v ∈ e
        if v ∈ VAR_KILL
            then EXPR_KILL(n) ← EXPR_KILL(n) ∪ {e}
```