Algorithm 9 Semantic action X_o

Require: Op Code to be generated: O

```
a := pop (SAS)
while a ≠ # do
    push (a, S₁ )
    a := pop (SAS)
 push (#)
 a := pop (S₁)
 b := pop (S₂)
while a ≠ ∅ do
    c := gentemp
    genquad (O, a, b, c)
    push (c, SAS)
    a := pop (S₁)
    b := pop (S₂)
```