
Algorithm 6 Semantic action G_5

c := pop(SAS) (result of expression RHS)

d := pop(SAS) (id LHS)

b := pop(SAS) (work quad)

a := pop(SAS) (start quad)

quads [a] result := NQ (adjust start jump to initialization section)

e := NQ preserve jump to test location

genquad (jmp, - , - , -)

genquad (:=, c, - , d) initialize id with the value of the expression (presumption of single element expression result).

push (e, SAS) preserve test jump

push (d) preserve id

push(b) preserve work jum
