Algorithm 16 Semantic Action for I_4

Require: A temporary dimension structure temp-dim

a := pop(SAS)

while ($a \neq \#$)

    tempdim adddim: a

    pop a

b := pop (SAS)

while ($b \neq \#$)

    ST setdimension: tempdim in_symbol:b

    b := pop (SAS)