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for_material

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S2(i,k,a,c) += (    1.00000000) D4(i,o3,k,o4,o1,o5,o2,o6) T2(o5,o4,o1,c) V2(o2,o6,o3,a)

! Scaling      : O(o^8v^1)
! Max size of X : o^4

! * Begin scaling analysis .... *

for a in {vir}:
  Read V2 from GA for a
  for i in {occ}:
    Declare X as a o^4 tensor
    for o3 in {occ}:
      Read D4 from GA for i,o3
      X_(a,i)(k,o4,o1,o5) += 1.0 sum(o2,o6) V2(,o3,o2,o6) * D4(,,k,o4,o1,o5,o2,o6)

  for c in {vir}:
    Read S2 from GA for c
    Read T2 from GA for c
    S2_(c)(i,k,a) += 1.0 sum(o5,o4,o1) T2(o5,o4,o1,) * X_(a,i)(,k,o4,o1,o5,)

  Accumulate S2_(c)(i,k,a) for c

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