## 3 × 1 Product

The traceless I[722]] is composed of five guys.

ISSI, I (55) NSI, I SU(4) N I RE(2,3) Z, I(5,3) Z NI

Let's study the OPE of the first one:

•  $I \supset Z \supset J'$   $I \supset J \sim \frac{y}{(z_1 - z_1)_2}$   $I \supset Z \supset J + \frac{1}{z_1} \left( I \supset Z \supset J + y \supset (I \supset Z) \supset J \right)$ 

Using the Q-exact relation 25-23+(2,2) we want to turn (I), 20(IZZ) RI, into a total derivative KD(IZZRI) plus stuff.
In this case we find:

(I) ~ 2 3 (I22nT) + 4 I(2,2)22nT + 2 I2(2,2)2NT + 3 I22(2,2)NT

Plugging this back into the OPE

1 (3-3), 1550]

Moving on to the OPE's with the other expressions:

• NI'(2,2)2'I' I2I ~  $\frac{1}{2}$  [I [N(2,2)22+  $\frac{1}{4}$  ((2,2)(2,2)NN + 2 2(2,2)2 NNI + 3(2,2)(2,2)Nn N]

μ λ τ σ(τ(4,ε)τ) πι Υ τ γ

11 (2,5) I 2 (4-3) +

