

the problem boils down to understanding this matrix multiplication.

So: the Spin-D-spin-2-spin-2 vestex couples:

- . OPPOSITE CHIRALTY (R ? L, NOT RIR)
- · SAME SPININZ-dip (TWIT, not TIL)

CONTRAST THIS TO ALSON-IJ particle like Am. IN HWY, WE SAW THAT THIS ONLY COUPLES

- · SAME CHIRAUTY
- DEPENDING ON THE NAME OF F

- 9) Sbin -o: combres of formions on
  - · OPPOSITE CHIPALTY
  - · SUMB SOM IN 5-DIR

spin-1: couples 2 termions or)

- . SAME CHIPALITY
- · SAME OF OPP. SON IN 5-DIK OBSENDING ON POLARIS OF SAME OF OPP. SON IN 5-DIK

Spin- = HAS NO POLARIZATION!

2. 
$$\chi = -\frac{1}{4} F. F$$

4 13 0002 H

+ 124184

+ 10412

- 1(4)

- 1(4)

- 1(4)

- 1(4)

- 1(4)

## 3. Storbord model in your life

IF THE HIGGS INTERACTED MORE STRONGLY WI UP US. LEWO, HEAD THE DONN.

since the proton is udd

waking Ar> east = wr> wa = [wb>w]

= PROTON is HEAVIER THAN NEUTRON!

then all protons would eventually beary via B Lecay into newtrons.

-> all hydrager ends so decaying!