1. HIGHER GROER INTERACTIONS

the example we're given is [TasabAp] = TagsoPAp TagsoAp

An easy way to produce higher order interactions that are automatically invariant is to take a lower-order interaction ? take powers of it.

eg. [(LeenoHp)2]2 E 12 DIMENSION-10] (just squared a dim-5)

similary, (HTLE) is DIM 8 (H+1.E)3 is Dim 12 Tusma Yukawa as a basic unit

ALL MEHER OPPER INTERACTIONS ARE (by definition) PRODUCTS OF FIELDS WHOSE TOTAL MASS DIMENSION IS > 4. THIS MEANS THAT THE COUPLING CONSTANT, eg C(LEH)2, HAS NEGATIVE MASS DIMENSION. IN LEC 15 COR IN THE ARTICLE CITED), WE SAW THAT COUPLINGS WI NEGATIVE MASS DIMENSION BETTER APE INVAVID THEME EXPANSION PARAMETERS @ SMALL DISTANCES.