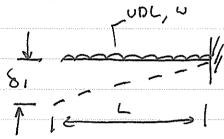
LOCIC OF WORKING OUT DEFLECTIONS AT NOJE & TAIL OF FUSUACE FOR G286 EXAMPLE.

CONSIDER FUSELACE FORWARD OF LING-TO ADOF ROOT JOINT AS A CANTILEYER DEAR WITH A UNIFORMLY DISTRIBUTED LOAD.



DEFLECTION S, = WL4 = DEFLECTION AT NOJE 8EI

CONSIDER PUBLICE AFT OF WING TO FUELAGE ROOT JOINT AS A CAMPLEVEN BEAM WITH A UNIFORMLY DISTRIBUTED LOAD SAME EQUATION AS ABOVE & WITH DIFFERENT L

BUT LITH ADDITION OF DEFLECTION DUE TO VENTICOL LOAD AT TAIL (PT) OF -7.6 KN (ACTING DULNUAND) WHICH IS ADDITION TO THE DEFLECTION DUE TO THE UDL.

DEPLECTION 82 = PL3

ADD THE TUD DEFLECTIONS TO GETHER & YOU GET
THE TOTAL DEFLECTION.