



1.37
5

$AE = AD \leftarrow ED \text{ } \delta \text{ } \Delta AED \text{ } \text{על}$
 $AD = AF \leftarrow DF \text{ } \delta \text{ } \Delta ADF \text{ } \text{על}$

$AE = AD \leftarrow$

$\angle EAF = \angle DAF = \alpha_1 \text{ (נכד)}$

$\angle EAB = \angle BAD = \alpha_2$

$\alpha = \alpha_1 + \alpha_2$

$\angle EAF = 2\alpha_1 + 2\alpha_2 = 2\alpha$

$ES = SD \leftarrow (\text{נכד, נכד } SG) \text{ על } \Delta ESD \text{ } \text{על}$

$TD = TF \leftarrow (\text{נכד, נכד } TH) \text{ על } \Delta TDF \text{ } \text{על}$

$EF = ES + ST + TF = SD + ST + TD$

$EM = MD \text{ } \text{על } \Delta EMD \text{ } \text{על}$

$NF = ND \text{ } \text{על } \Delta DNF \text{ } \text{על}$

$EM + MN > EN$

$EN + NF > EF$

$EM + MN + NF > EF$

$MD + MN + ND > EF$

עלון EM ו-עלון FN
 $DMN > DST$

ΔEMN ו- ΔDNF

ΔENF

עלון EM ו-עלון FN