REF ID: A72073 19 December 1953 Professor C. B. Tompkins Rational Bureau of Standards Institute for Numerical Analysis University of California 405 Hilgard Avenue Los Angeles 24, California Dear Tommy: I am enclosing two objects for either you or Dilworth or both to work on, as I agreed I would. I have out off from the top a description of what they are but it should be fairly obvious to you. After all you can count. They are moderately easy to do by hand but marginal cases are a little harder to find and I don't think you want to start off with them anyhow. An example of one will follow some time in the future. Billingsley is now programming the item that Dilworth suggested. He is planning it for the 1103 and it should make an interesting experiment. I will keep you informed of the results but don't expect to have any for some time as this is Billingsley's first program. I meant to ask you whether we are somehow or other managing to pay Dilworth for the time he is putting in between SCAMP's. I hope and assume so, but this is merely a random question. I eagerly await your phonograph record, but know you have other problems on your mind. With best wishes for a Merry Christmas and a Happy New Year to you and your family, I am Very cordially yours. R. A. LEIBLER Chief Mathematical Research Division Engl: 2 Approved for Release by NSA on 02-18-2014 pursuant to E.O.