1024-20-16 Luis M. Huerta-Aparicio, Ariel Molina-Rueda, Alberto G. Raggi-Cardenas and Luis Valero-Elizondo\* (valero@fismat.umich.mx), Facultad de Cs. Fis-Matematicas, Edificio "B" planta baja, C. U., 58060 Morelia, Michoacan, Mexico. Some invariants preserved by isomorphisms of tables of marks.

Let G and Q be groups with isomorphic tables of marks, and for each subgroup H of G, let H' denote a subgroup of Q assigned to H under a fixed isomorphism between their tables of marks. We prove that if H is cyclic/elementary abelian/maximal/the Frattini subgroup/the commutator subgroup, then H' has the same property. However, we give examples (using GAP) where H is abelian and H' is not, and where H is the centre of G and H' is not the centre of Q. (Received November 06, 2006)