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Intuitionistic fuzzy injective S -act and intuitionistic fuzzy injective quasi injective S -act

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Abstract. In this paper the concept of intuitionistic fuzzy quasi injective S -act (for short IFQI-act) and intuitionistic fuzzy injective S -act (IFI-act) have been initiated and some of their properties, also the IF-retract IF-fully invariant and IF-fully stable S -acts have been studied. We show that every IF-retract of IFQI-act is also IFQI-act. Finally, a characterization of IFQI-act has been given in term of the intuitionistic fuzzy endomorphism of the injective envelope of it.

Haryeni et al. in [8] found that the edge irregularity strength of fan graphs F_n where $n \in \{2, 3, 4, 5, 6\}$ is $n + 1$. In this paper, we generalise this result for $n = 2, 3, 4, \dots$. Also we state the edge irregularity strength and modular edge irregularity strength for some lollipop graphs.

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