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**Title:** Generating iterated function systems for a class of self-similar sets with complete overlap

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It is an interesting topic to find all generating iterated function systems (IFSs) for a given self-similar set. Previous results on this topic require some separation condition. In this paper, we discuss all generating IFSs for a class of self-similar sets with complete overlap. We prove that the IFS  $\{\rho x, \rho x + \rho, \rho x + 1\}$  with  $0 < \rho < (3 - \sqrt{5})/2$  is a minimal presentation, i.e. every other generating IFS with the same attractor is an iteration of this one.

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