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\mathcal{T}_0 - and \mathcal{T}_1 -reflections

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Abstract: In an abstract category with suitable notions of subobject, closure and point, we discuss the separation axioms T_0 and T_1 . Each of the arising subcategories is reflective. We give an iterative construction of the reflectors and present characteristic examples.

Keywords: factorization system, closure operator, separation axioms, prereflection, reflection

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