**Remark 3.143.** [08X] *Let $A$ be a non-empty set, let $f : A \to \{0,1\}$ and $g : A \to \{1\}$ both given by $f(x) = g(x) = 1$ for each $x \in A$.*
*Let $F, G$ respectively be the graphs: note that $F = G$ (!) Will we say that $f = g$ or not? We choose "not", otherwise the concept of "surjective" would not make sense.*
*For this reason in the definition we decided that the function is the triple "domain", "codomain", "relation".*