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constant function

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Definition Suppose X and Y are sets and $f : X \rightarrow Y$ is a function. Then f is a **constant function** if $f(a) = f(b)$ for all a, b in X .

0.0.1 Properties

1. The composition of a constant function with any function (for which composition is defined) is a constant function.
2. A constant map between topological spaces is continuous.