## Evolutionary Program Synthesis from Refined and Dependent types

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Load the original image.

Ensures the correct width and

Limits the amount of polygons to

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**Predicate 1 and 2** 

**Predicate 3** 

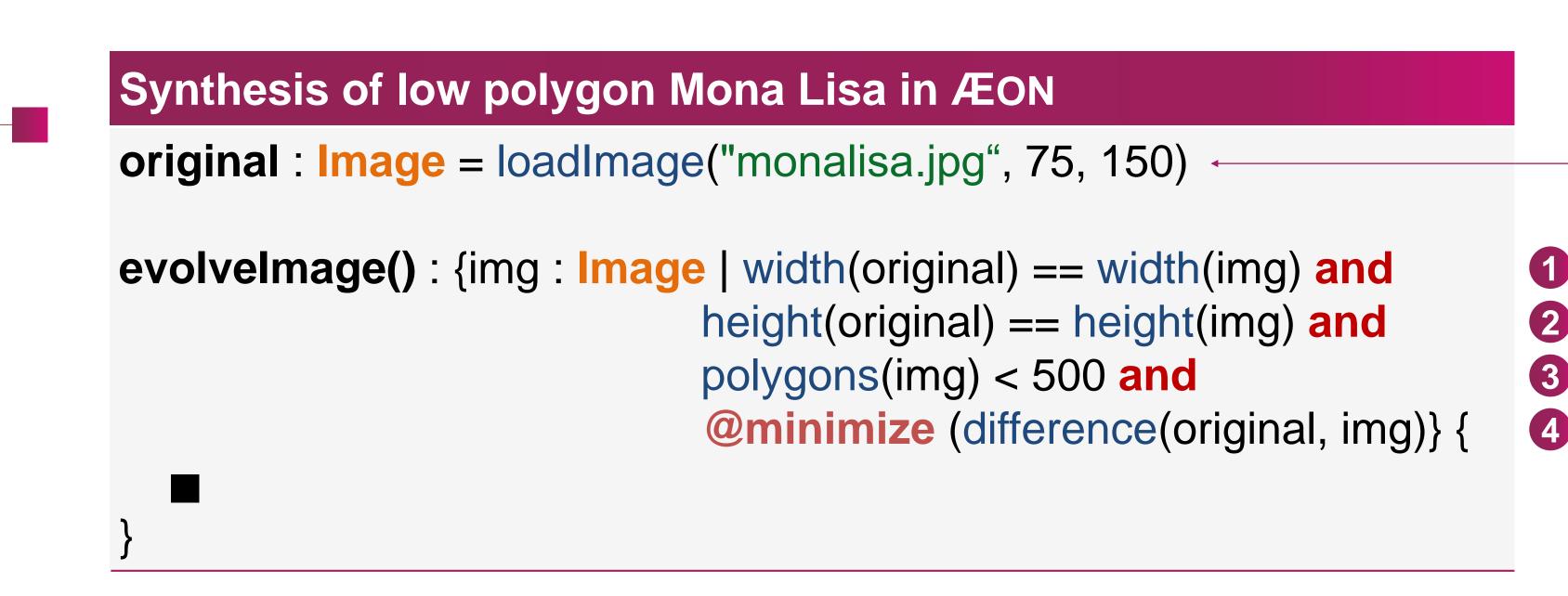
**Predicate 4** 

both images.

## Motivation

The software market revenue worldwide in 2018 was estimated in 456 billion U.S. Dollars and it is projected to grow to 507 until 2021. The focal activity of this industry is the maintenance and development of software.

Program Synthesis is the task of generating a program that fulfils partially or completely a specification, allowing the development of more **reliable**, **secure**, **faster** and **cheaper** software.



## Synthesize complete and partial programs from refined and dependent types

