## **Decomposition of Tuples into Patterns**

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Ugly:

```
distance :: (Float, Float) -> (Float, Float) -> Float
    computes the distance between two 2D points, each given by a tuple

distance p1 p2 = sqrt ((fst p1 - fst p2)^2 + (snd p1 - snd p2)^2)
```

Better: Decompose by patterns to the parameters themselves:

```
distance (x1, y1) (x2, y2) = sqrt ((x1 - x2)^2 + (y1 - y2)^2)
```

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Also: Decompose by patterns using local names:

## **Lucas Bazilio Youtube Channel**



