And it clearly follows that the function is bijective
Let’s take a closer look and make this more objective
It bears a certain quality – that which we call injective
A lovin’ love affair, Indeed, a one-to-one perspective.

Injection is the stuff that bonds one range to one domain
For Mr.X in the domain, only Miss Y can take his name
But if some other domain fool should try to get Miss Y’s affection,
The Horizontal Line Police are here to check for 1 to 1 Injection.

Observe though, that injection does not alone grant one bijection
A function of this kind must bear Injection **AND** Surjection
Surjection!? What is that? Another math word gone surreal
It’s just a simple concept we call “Onto”. Here’s the deal:

If for **EVERY** lady ‘y’ who walks the codomain of f
There’s at least one ‘x’ in the Domain who fancies her as his sweet best.
So hear the song that Onto sings – a simple mathful melody:
“There ain’t a Y in Codomain not imaged by some X, you see!”

So there you have it 2 conditions that define a quality.
If it’s injective and surjective, then it’s bijective, by golly!

Now if you’re paying close attention to my math-poetic verse
I reckon that you’ve noticed implications of Inverse
Inverse functions blow the same tune – They biject oh so happily
By sheer existence, inverse functions mimic Onto qualities
And per uniqueness of solution, another inverse golden rule
By gosh, that’s one-to-one & Onto straight up out the Biject School!