exercise.

1) Prove that F and G are indeed ω-continuous.

2) Prove Lemma 2. (This is not easy).

¶ If you are familiar with program analysis and abstract interpretation, you might have noticed that there we do something similar when defining ~~the best transfer~~ the abstract domain for function space. One thing to keep in mind is that in domain theory, $a \sqsubseteq b$ means that b is more informative than a, while in program analysis, $a \sqsubseteq b$ means that a is more informative. ‖