# Question 1

* To prove the set is universal, have to show it in general, i.e., for any finite
* The particular case of is already fleshed out as part of the problem statement, as an example
* Property: Given a bucket, say , and given a key , the number of functions in such that is . Must prove this to use
* So, given a universal set, there is only one way to choose from it, which is uniformly at random
* This question addresses generation or creation of the universal set, not the way we pick a function given such a set
* The way we generate a universal set, given is to simply adopt the set of all functions with domain and co-domain
* This question is asking about the practicality of adopting that set as our universal set

# Question 2

# Question 3

# Question 4

# Question 5

# References

**There are no sources in the current document.**