

Homework 7

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November 14, 2020

1 Problem 1

Prove that $B_{n,i}(t) = B_{n,n-i}(1-t)$ which is the symmetric property.

2 Problem 2

Let $f(x) = \sin x$, $x \in [0, 2\pi]$.

Find the Bernstein Polynomial of $f(x)$.