This is not a scientific article, it's just a document where I present my ideas.

discrete integrals:

discrete derivative:

Opposite of integrals:

Proof:

Opposite of derivative:

Proof:

Notation:

Proof that :

if then:

Rules of discrete derivative:

1. Constant rule:

Proof:

1. Constant multiple rule:

Proof:

3. Sum Rule:

Proof:

4. Difference Rule

Proof:

5. Product Rule

Proof:

6 Reciprocal rule:

Proof:

Table of discrete derivative:

1)

Proof:

2)

Proof:

3)

Proof:

4)

Proof:

5)

Proof:

6)

Proof:

Rules of discrete integrals:

of discrete derivative:

1Constant rule:

Proof:

2Constant multiple rule:

Proof:

3. Sum Rule:

Proof:

4. Difference Rule

Proof:

Table of discrete intagrations:

1)

Proof:

2)

Proof:

3)

Proof:

3)

Proof:

2)

Proof:

Oftop:

Here “a” denotes how many times the discrete derivative was applied on f(n)

Proof:

Here equals to

Here equals to

In first iteration This expression equals to

So

In second iteration

And in other iteration expression equals to 0 so sum of all expression equals to