

Título

Autor

Fecha

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Contents

1	Chapter 1	4
1.1	Code	4
1.1.1	Method 1: Simple Markdown Code Block	5
1.1.2	Method 2: LaTeX Minted (Better Syntax Highlighting)	6
1.2	Image example	7
1.3	Table	9
2	Cheatsheet	10
3	Appendix	11

1 Chapter 1

1.1 Code

1.1.1 Method 1: Simple Markdown Code Block

```
import numpy as np

def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int) #dummy variable

    #compute the bitwise xor matrix
    M1 = bitxormatrix(genl1)
    M2 = np.triu(bitxormatrix(genl2),1)

    for i in range(m-1):
        for j in range(i+1, m):
            [r,c] = np.where(M2 == M1[i,j])
            for k in range(len(r)):
                VT[(i)*n + r[k]] = 1
                VT[(i)*n + c[k]] = 1
                VT[(j)*n + r[k]] = 1
                VT[(j)*n + c[k]] = 1

            if M is None:
                M = np.copy(VT)
            else:
                M = np.concatenate((M, VT), 1)

            VT = np.zeros((n*m,1), int)

    return M
```

1.1.2 Method 2: LaTeX Minted (Better Syntax Highlighting)

```
import numpy as np

def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int) #dummy variable

    #compute the bitwise xor matrix
    M1 = bitxormatrix(genl1)
    M2 = np.triu(bitxormatrix(genl2),1)

    for i in range(m-1):
        for j in range(i+1, m):
            [r,c] = np.where(M2 == M1[i,j])
            for k in range(len(r)):
                VT[(i)*n + r[k]] = 1
                VT[(i)*n + c[k]] = 1
                VT[(j)*n + r[k]] = 1
                VT[(j)*n + c[k]] = 1

            if M is None:
                M = np.copy(VT)
            else:
                M = np.concatenate((M, VT), 1)

            VT = np.zeros((n*m,1), int)

    return M
```

1.2 Image example

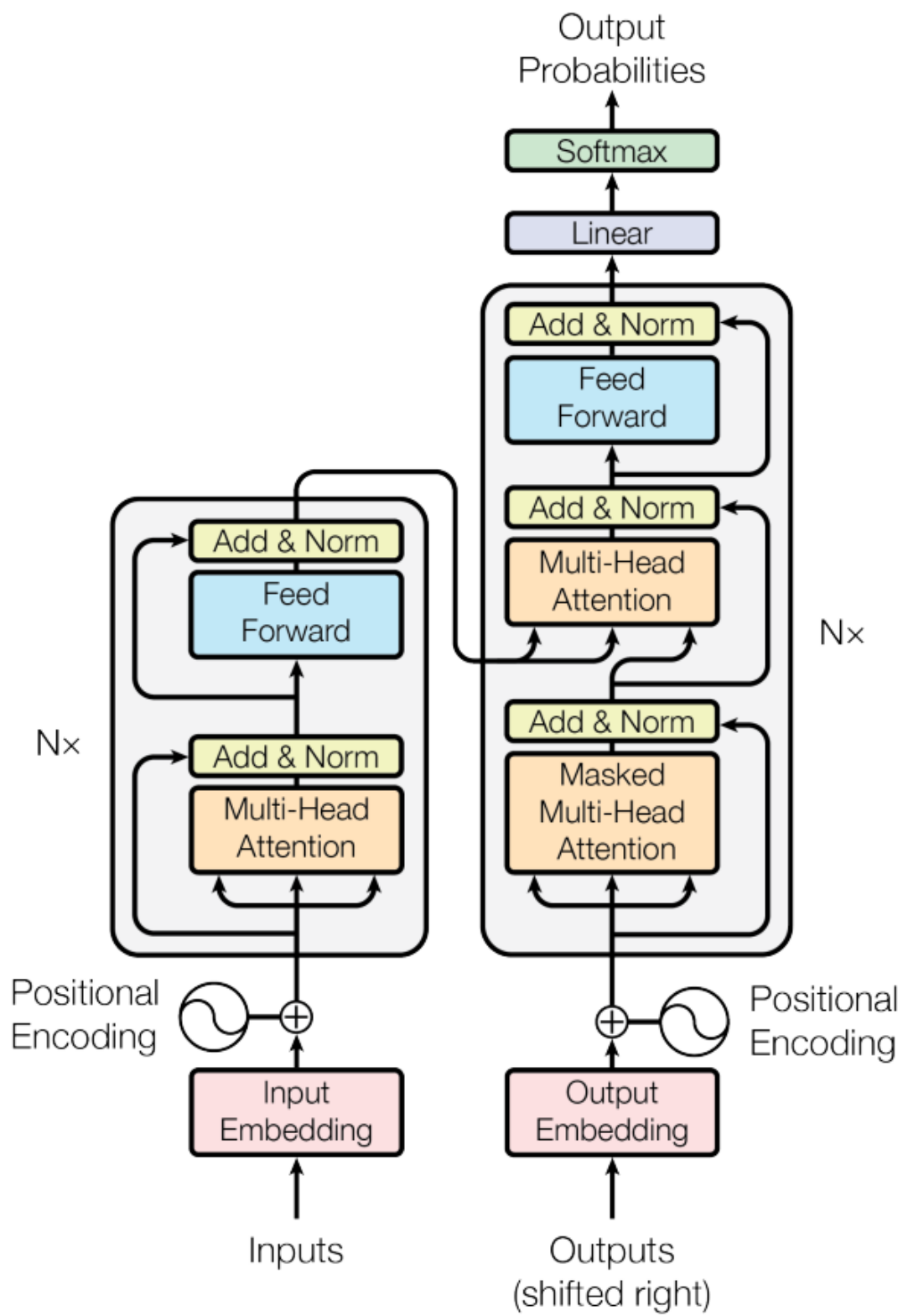


Figure 1: Transformer Architecture

1.3 Table

Good	Bad
<pre>int foo() { int result = 4; return result; }</pre>	<pre>int foo() { int x = 4; return x; }</pre>

2 Cheatsheet

Contents

Contents

3 Appendix

Content