

**Jakub Kłós**

**162432**

## **Lab3 Zachłanne Dopasowanie**

### **Raport 1: Miary (nie)podobieństwa pomiędzy znaki\_tst[1] a znaki\_wz[\*]**

Initial bitmap:

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Bitmap:

0 0 0 0

0 0 1 1

0 1 1 1

0 0 0 1

0 0 0 1

Using distance metric: manhattan\_distance

Comparison with pattern 1:

Bidirectional similarity: -2.00

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Comparison with pattern 2:

Bidirectional similarity: -17.00

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Comparison with pattern 3:

Bidirectional similarity: -15.00

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Initial bitmap:

=====

Bitmap:

0 0 0 0

0 0 1 1

0 1 1 1

0 0 0 1

0 0 0 1

Using distance metric: euclidean\_distance

Comparison with pattern 1:

Bidirectional similarity: -2.00

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Comparison with pattern 2:

Bidirectional similarity: -15.06

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Comparison with pattern 3:

Bidirectional similarity: -12.89

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Initial bitmap:

=====

Bitmap:

0 0 0 0

0 0 1 1

0 1 1 1

0 0 0 1

0 0 0 1

Using distance metric: chebyshev\_distance

Comparison with pattern 1:

Bidirectional similarity: -2.00

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Comparison with pattern 2:

Bidirectional similarity: -14.00  
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Comparison with pattern 3:

Bidirectional similarity: -12.00  
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## **Raport 2: Miary (nie)podobieństwa pomiędzy przesuniętym znaki\_tst[1] w lewo o 1 a znaki\_wz[\*]**

Initial bitmap:

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Bitmap:

0 0 0 0

0 0 1 1

0 1 1 1

0 0 0 1

0 0 0 1

Shifted bitmap (L by 1):

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Bitmap:

0 0 0 0

0 1 1 0

1 1 1 0

0 0 1 0

0 0 1 0

Using distance metric: euclidean\_distance

Comparison with pattern 1:

Bidirectional similarity: -10.41

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Comparison with pattern 2:

Bidirectional similarity: -15.41

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Comparison with pattern 3:

Bidirectional similarity: -12.41

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### **Raport 3: Miary (nie)podobieństwa pomiędzy znaki\_tst[2], znaki\_tst[3] a znaki\_wz[\*]**

Initial bitmap:

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Bitmap:

1 1 1 1

0 0 0 1

1 1 1 1

0 0 1 1

1 1 1 1

Using distance metric: euclidean\_distance

Comparison with pattern 1:

Bidirectional similarity: -13.89

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Comparison with pattern 2:

Bidirectional similarity: -8.00

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Comparison with pattern 3:

Bidirectional similarity: -3.00

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Initial bitmap:

=====

Bitmap:

1 1 1 1

0 0 0 1

0 0 1 0

1 1 0 0

1 1 1 1

Using distance metric: euclidean\_distance

Comparison with pattern 1:

Bidirectional similarity: -17.30

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Comparison with pattern 2:

Bidirectional similarity: -3.00

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Comparison with pattern 3:

Bidirectional similarity: -8.00  
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