

# Übungen zur Algorithmischen Bioinformatik I Blatt 0

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2. Aufgabe (5 Punkte):

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MSS\_Naive (int[] a, int n)

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```
begin
  maxscore := 0;    ℓ := 1;    r := 0;                /* always is maxscore =  $\sigma(\ell, r)$  */
  for ( i := 1; i ≤ n; i++ ) do
    for ( j := i; j ≤ n; j++ ) do
      s := 0 ;                                           /* compute s =  $\sigma(\ell, r)$  */
      for ( k := i; k ≤ j; k++ ) do
        s := s + a[k];
      if s > maxscore then
        maxscore := s;    ℓ := i;    r := j;
      end
    end
  end
```

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Abbildung 1.4: Algorithmus: naiver Algorithmus für MSS