

A Head	A Second Head	A Third Head
Some text	Some really really really longer text	Text text text

Algorithm 1 Counting mismatches between two packed DNA strings

Precondition: x and y are packed DNA strings of equal length n

```

1: function DISTANCE( $x, y$ )
2:    $z \leftarrow x \oplus y$ 
3:    $\delta \leftarrow 0$ 
4:   for  $i \leftarrow 1$  to  $n$  do
5:     if  $z_i \neq 0$  then
6:        $\delta \leftarrow \delta + 1$ 
7:     end if
8:   end for
9:   return  $\delta$ 
10: end function

```

▷ \oplus : bitwise exclusive-or

Algorithm 2 Counting mismatches between two packed DNA strings

Input**Output**

```
1:  $z \leftarrow x \oplus y$  ▷  $\oplus$ : bitwise exclusive-or
2:  $\delta \leftarrow 0$ 
3: Some question
4: for  $i \leftarrow 1$  to  $n$  do
5:   if  $z_i \neq 0$  then
6:      $\delta \leftarrow \delta + 1$ 
7:   end if
8: end for
9: for
   do ▷ Say hello
10: end for
11: return  $\delta$ 
```
