

Positional
Burrows-Wheeler
Transform
(*PBWT*)

trasfor-
mata
di
Burrows-
Wheeler
po-
sizionale

$\sum_{i=0}^{M-1}$
 $x_i =$
 $0, \dots, M-1$
 $\sum_{k=0}^{N-1}$
 $x =$
 $\{0, 1\}$
 $x_i[k] = \{0, 1\}$

or-
di-
nato
 $0 \prec$
 s
 $s[k_1, k_2)$
sot-
tostringa

s
 k_1
 k_2-
 $\frac{1}{s}$
 s
match
 $s(k_1, k_2) =$
 $t(k_1, k_2)$
 k_1
 k_2-
 $\frac{1}{s}$
 t
lo-
cal-
mente
mas-
si-
male
 $(k_1 = 0 \vee s[k_1-1] \neq t[k_1-1]) \wedge (k_2 = N \vee s[k_2] \neq t[k_2])$

\sum_s
 \sum_s
set-
maximal
ex-
act
match
(SMEM)

x_i
 k_1
 k_2-
 $\frac{1}{s}$
lo-
cal-
mente
mas-
si-
male
 x_j
 $[k_1, k_2)$
 \sum_s
SMEM
PBWT
PBWT
 k
 $k-$
 $\frac{1}{k}$
 k
ma-
trice
PBWT

k
 k
 $k+$
 $\frac{1}{k}$
step
di
radix
sort
 $a_k[i] =$
 m
 $m <$
 M
 x^p
 \sum_i