```
\begin{array}{c} BWT\\ MEM\\ match-\\ ing\\ statis-\\ tics\\ PBWT\\ match-\\ ing\\ statis-\\ tics\\ MONI\\ PHONI\\ qom\\ dess\\ MS[i].len\\ LCE\\ query\\ MS[i].row\\ MS[i].len\\ THR-INTTHR-BV\\ RA-BVRA-SLP\\ MAP-INT\\ THR-INT\\ THR-INT\\ \end{array}
       ‡HR-INT
       ŘA−BV
       †
PERM
       PHI
MAP-INT
       THR-INT
       RA-SLP
PERM
       ₽́НІ
МАР-ВV
       THR-BV
       ŘA-BV
        PERM
       РНІ
МАР-ВV
       ŤHR-BV
       RA-SLP
       PERM
PHI
k-
      ina-trice PBWT z[0, k-1]
       x_0[0, k-1]
       x_{M-1}[0, k-
      \begin{array}{c} 1 \\ p \\ X \\ pre-fix \\ ar \\ p = 1 \end{array}
       a_k[i]
      contact less (x,y) longest contact mon suffix X Y
       \overset{1}{lcs}(z[0,k-1],x_{p}[0,k-1]) \geq lcs(z[0,k-1],x_{a_{k}[j]}[0,k-1]), \ \forall \, j \in [0,M-1]
(1)
      y_{i}^{k}[k] = z[k]
z[k]
ma-trice
MS[k].row = a_{k}[i] =
      MS[k].row = a_k[i] = p
MS[k].len = MS[k-1].len+1
```

match-