

```

enclose(bp, i, block_size)
01 if bp[i] = ')'
02   return find_open(i)①
03 else if excess(i) = 1
04   return  $\perp$ 
05 else
06   ei  $\leftarrow$  near_enclose(bp, i, block_size)②
07   if ei < i // true, if we have found a near answer
08     return ei
09   else
10     p'  $\leftarrow$  rank1(pioneer_bitmap, i)③
11     ep'  $\leftarrow$  enclose(pioneer_bp, p', block_size)④
12     ep  $\leftarrow$  select1(pioneer_bitmap, ep' + 1)⑤
13     ei  $\leftarrow$  ( $\beta$ (ep) + 1)  $\cdot$  block_size - 1
14     while excess(ei) + 1  $\neq$  excess(i) or bp[ei] = ')'
15       ei  $\leftarrow$  ei - 1
16   return ei

```

}^⑥
