串

KMP算法：构造next[]表

13-C4

一切都是暂时的，转瞬即逝

而那逝去的将变为可爱

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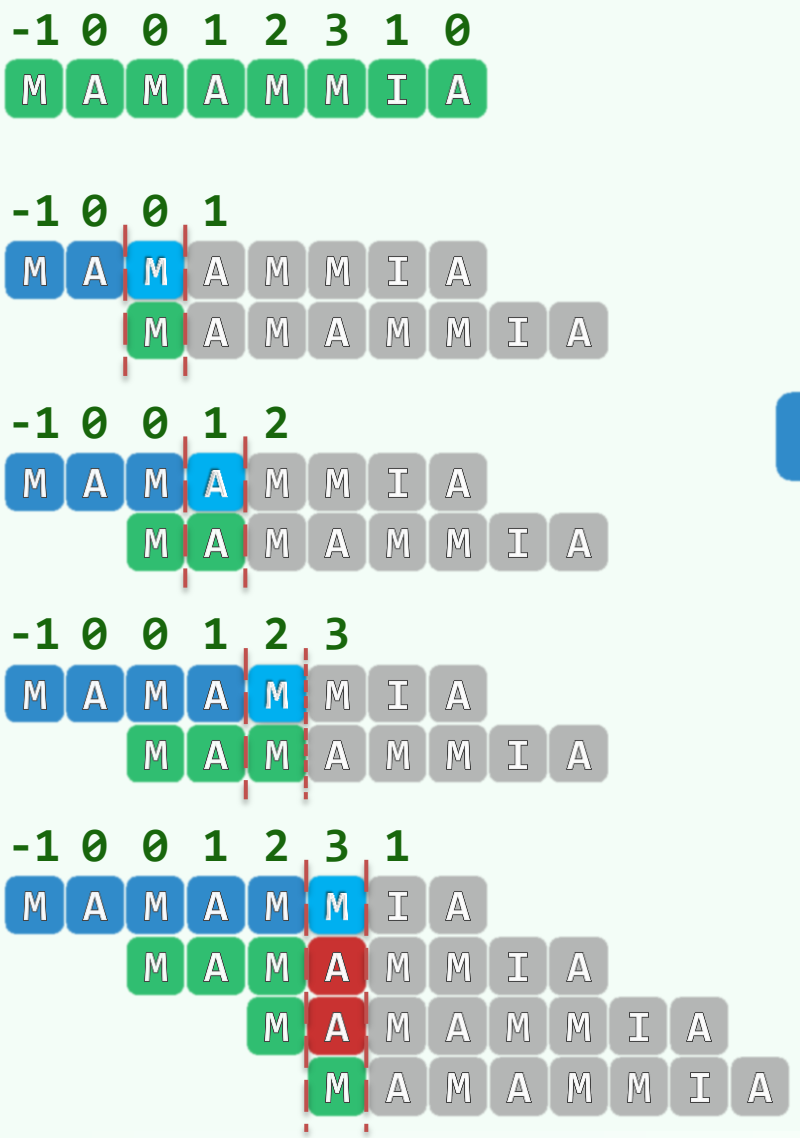
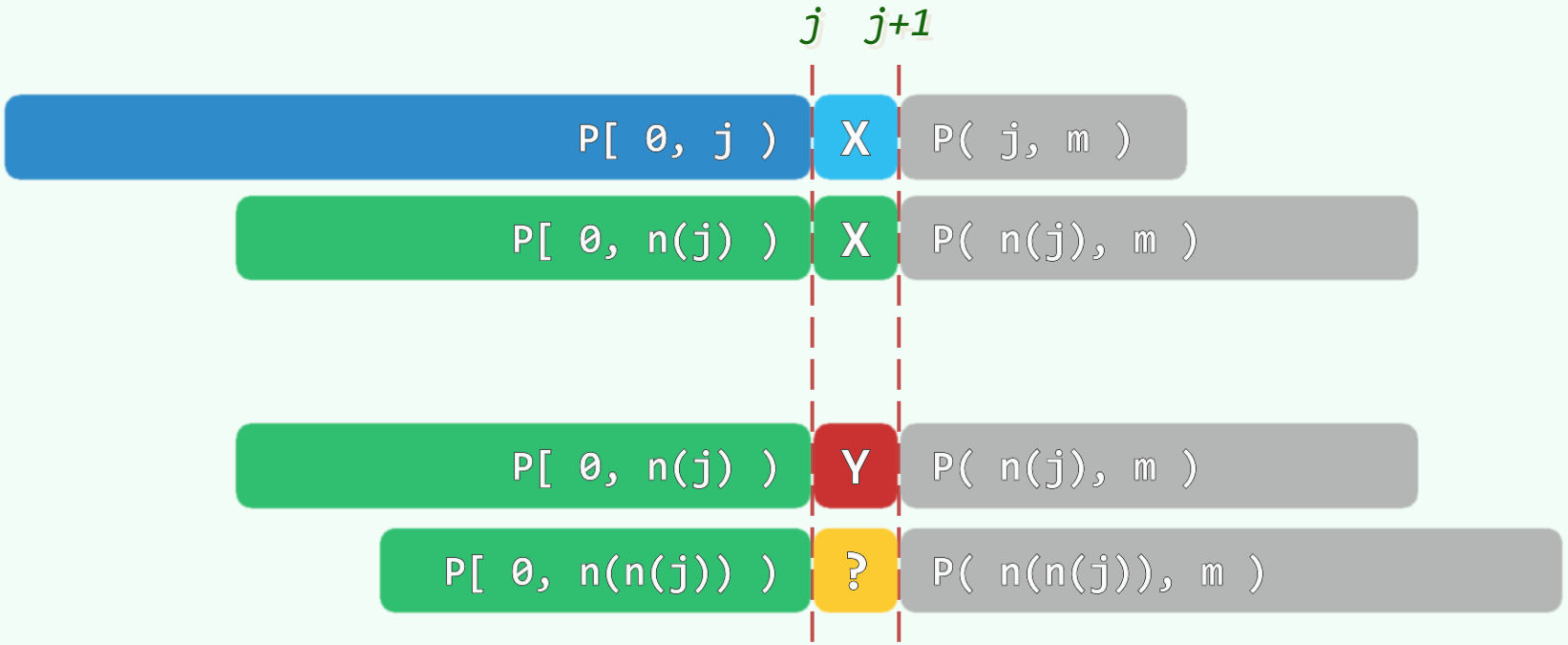
减而治之



$$next[j+1] = next[j]+1 \quad \text{iff} \quad P[j] = P[next[j]]$$



算法实现

```
❖ int * buildNext( char * P ) {
    size_t m = strlen(P), j = 0;
    int *N = new int[m];
    int t = N[0] = -1;
    while ( j < m - 1 )
       ( 0 > t || P[j] == P[t] ) ?
          N[ ++j ] = ++t : t = N[t];
    return N;
  }
```