

	0	1	2	3	4	5	6	7	8	9
P	A	B	A	C	A	B	A	B	A	C
P _i	0	0	<u>1</u>	0	1	2	<u>3</u>	<u>2</u>	<u>3</u>	4

ABACABABAC

↓ ↓

ABACAB

↓ ↓

ABACAB

↓ ↓ ↓

ABACABAB

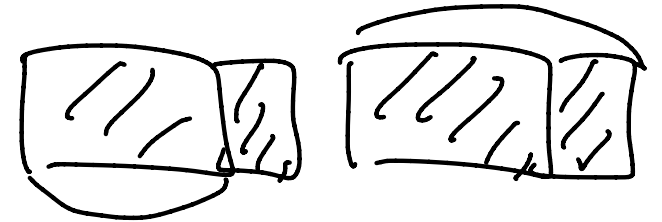
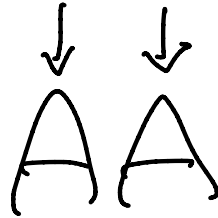
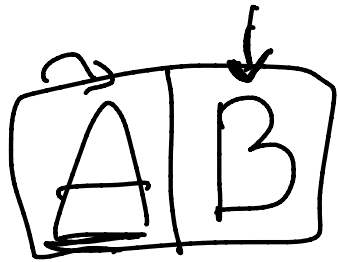
ABACABAB

ABACABAB

T	A	B	A	C	A	B	A	B	A	C
P[i]	0	0	1	0	1					

AA
0 1

ABABA
0 0 1 2 3



ABACA

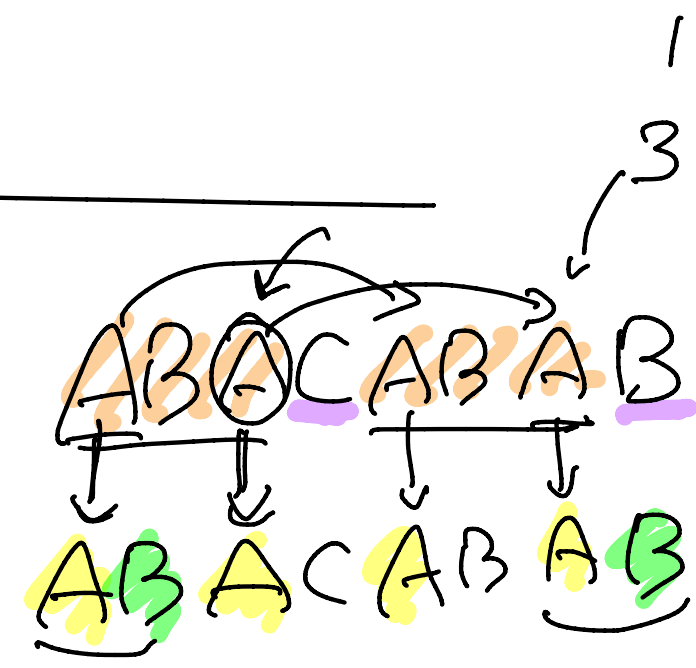
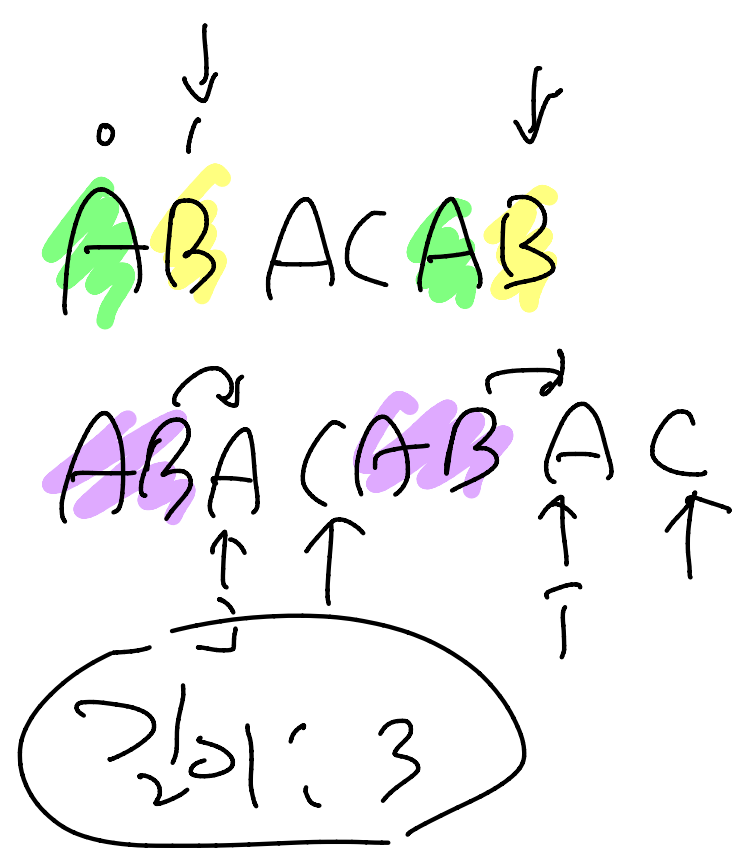
ABA

ABAC

ABAB



\bar{i}	A	B	A	C	A	B	A	B	A	C
$P[\bar{i}]$	0	0	1	0	1	2	3	2		



$$P[\bar{i}] \Rightarrow \geq \frac{1}{2}$$

인덱스 2

```

1  vector<int> preprocessing(string p) {
2      int m = p.size();
3      vector<int> pi(m);
4      pi[0] = 0;
5      int j = 0;
6      for (int i=1; i<m; i++) {
7          while (j>0 && p[i] != p[j]) {
8              j = pi[j-1];
9          }
10         if (p[i] == p[j]) {
11             pi[i] = j+1;
12             j += 1;
13         } else {
14             pi[i] = 0;
15         }
16     }
17     return pi;
18 }
19

```

