



Def: (Prefix fuetion)
$$T[q] = \max\{k: k < q, P_k \supset P_q\}$$

with respect to P

orbitary strip

orbitary strip

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KMP via T:
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4. 9 < 0
2. for i < 1 to n:
3. [while 9 > 0 & P[9+1] ≠ T[i]:
4. O(x)? 9 < 15[9]
5. if P[9+1] == T[i]: } O(x)
6. 9 < 9+1
7. if 9 == m:
8. print Mach
} O(x)
```

0 (u+m)