Index of T

```
CGTGC: 0,4
GCGTG: 3
GTGCC: 1
GTGCT: 5
TGCCT: 2
TGCTT: 6
```

T: C G T G C G T G C T T

Index of T

CGTGC: 0,4
GCGTG: ~~3~~
GTGCC: ~~1~~
GTGCT: ~~5~~
TGCCT: 2
TGCTT: 6

T: C G T G C G T G C T T

Index of T

```
CGTGC: 0,4
TGCCT: 2
TGCTT: 6
```

T: C G T G C G T G C T T

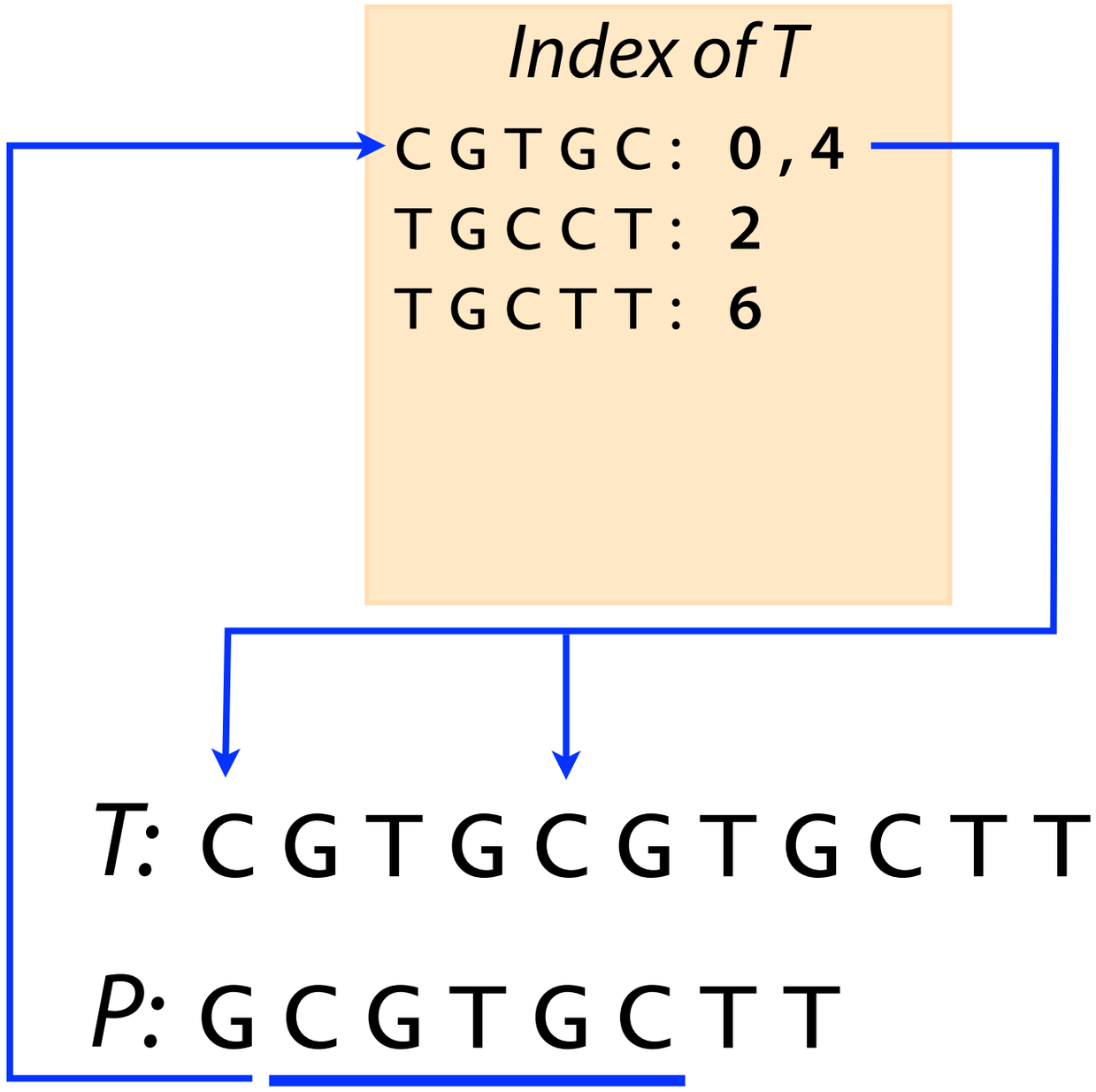
Index of T

```
CGTGC: 0,4
TGCCT: 2
TGCTT: 6
```

X

T: C G T G C G T G C T T

P: G C G T G C T T

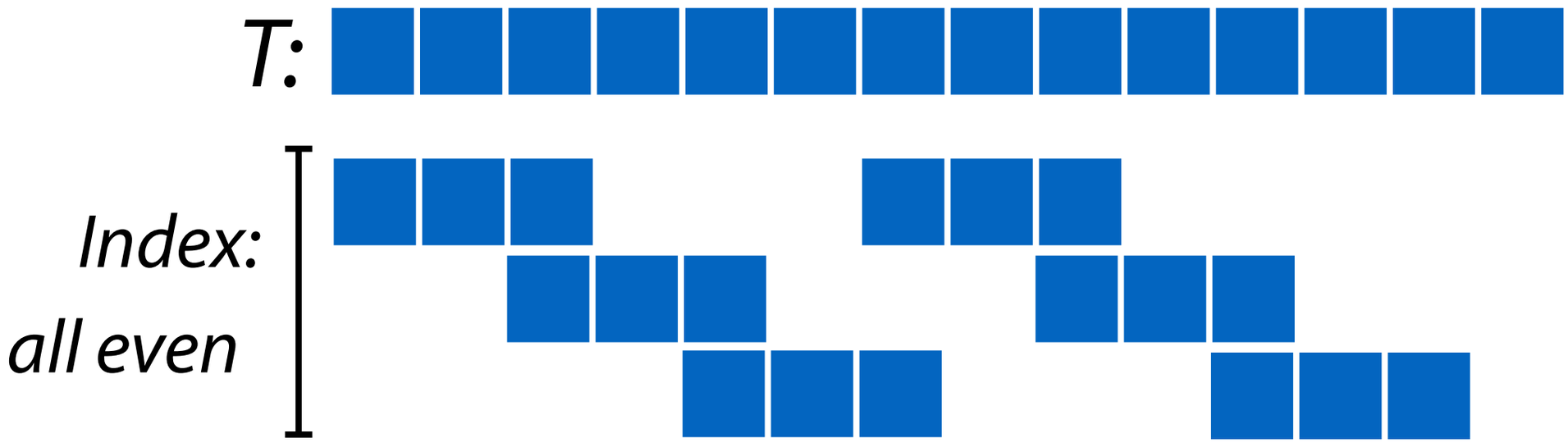

Index of T
CGTGC: 0,4
TGCCT: 2
TGCTT: 6
T: C G T G C G T G C T T
P: G C G T G C T T

Index of T

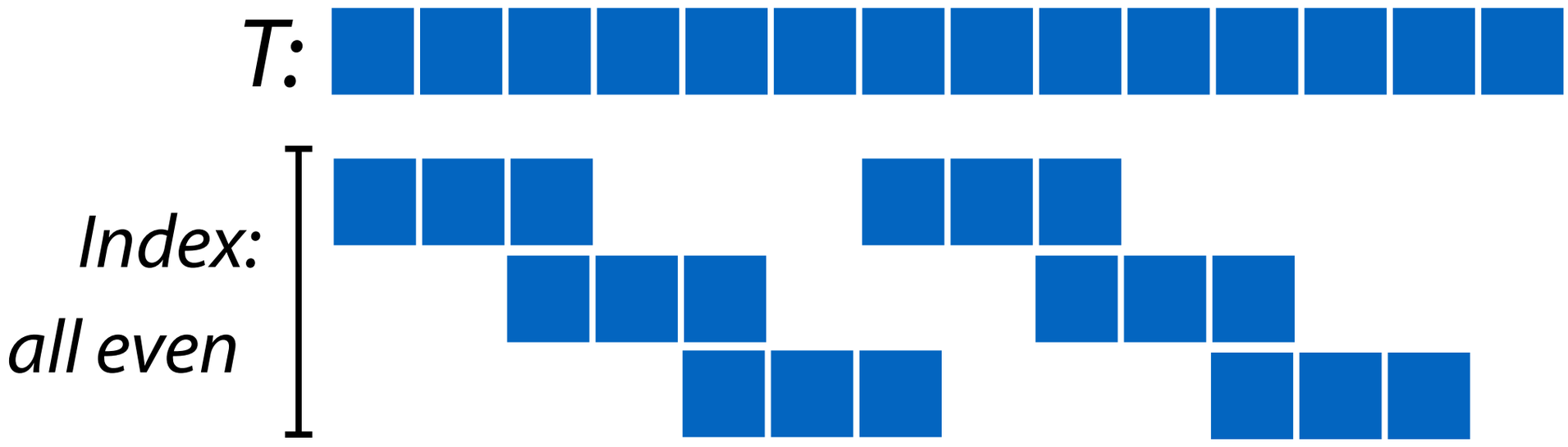
```
CGTGC: 0,4
TGCCT: 2
TGCTT: 6
```

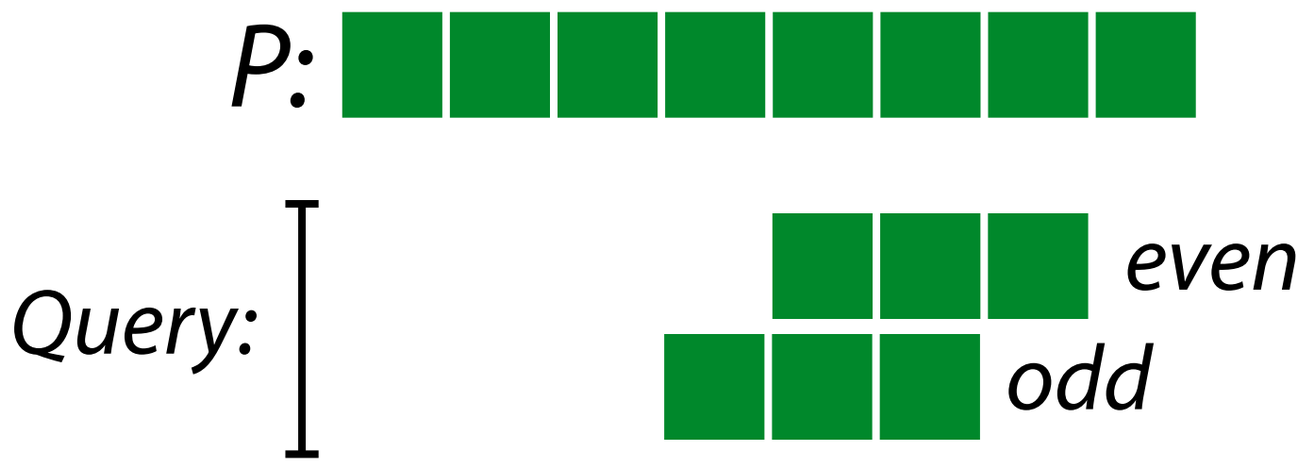
T: C G T G C G T G C T T

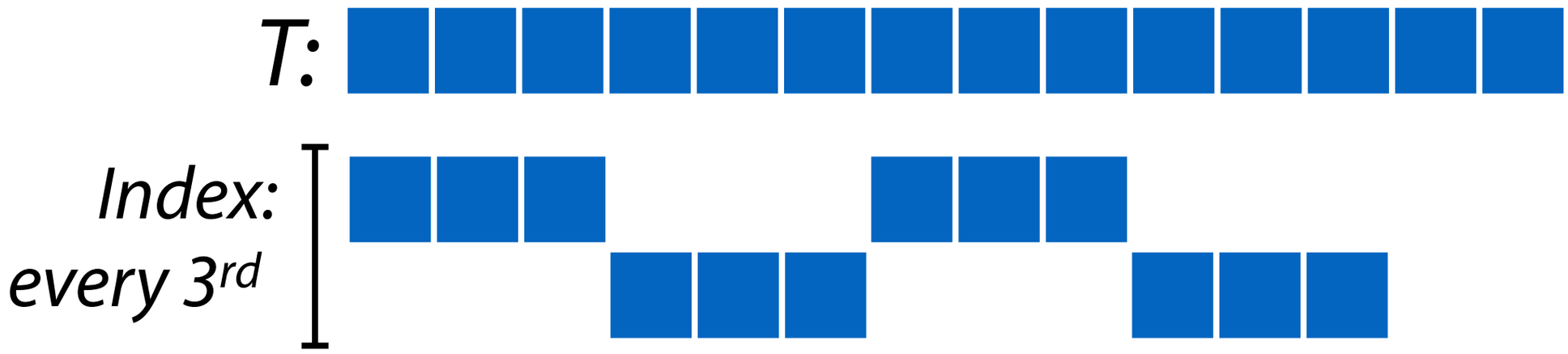
P: G C G T G C T T

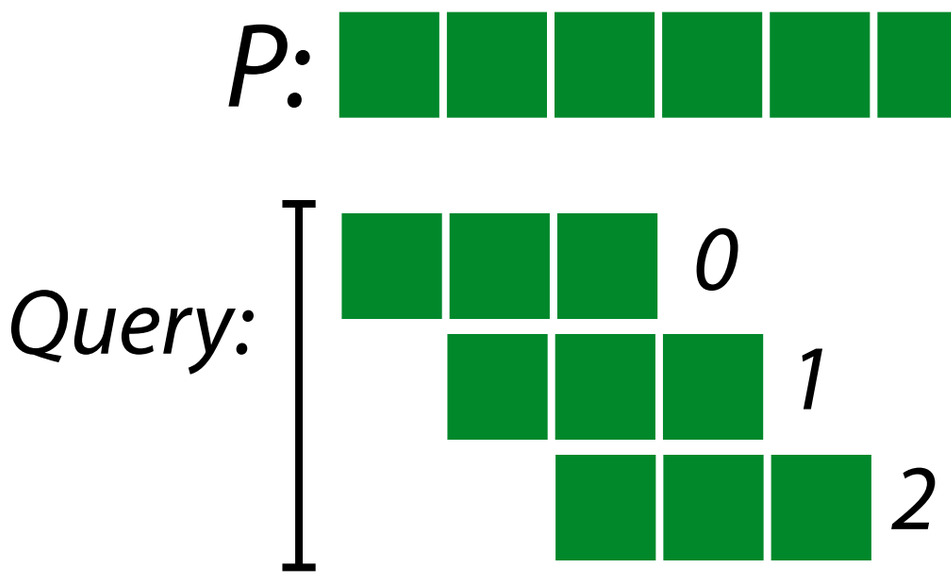

T:
Index:
all even

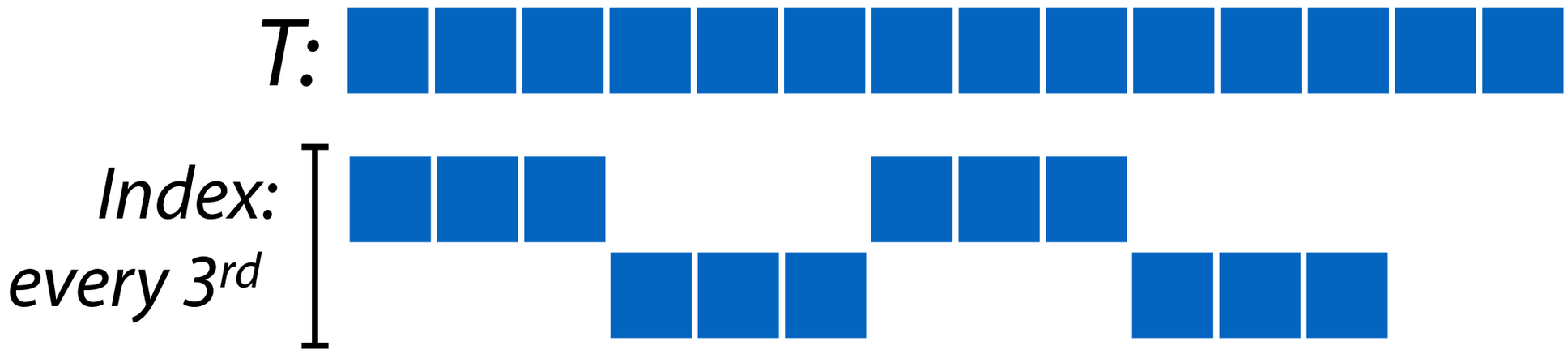
P:
Query:
even
odd


T:
Index:
all even


P:
Query:
even
odd


T:
Index:
every 3rd


P:
Query:
0
1
2


T:
Index:
every 3rd

P:
Query:
0 mod 3
1 mod 3
2 mod 3

Subsequence of *S*: string of characters also occurring in *S* in the same order

```
>>> seq = 'AACCGGTT'
>>> seq[0] + seq[1] + seq[5] + seq[7]
'AAGT'  # subsequence
>>> seq.find('AAGT')
-1  # not a substring
```

Substrings are also subsequences, subsequences are not necessarily substrings

Index of T

C G G G T : **0**

T: C G T G C G T G C T T

Index of T

C G G G T : **0**

G T C T G : 1

T: C G T G C G T G C T T

Index of T

C G G G T : **0**

G T C T G : **1**

T G G G C : **2**

T: C G T G C G T G C T T

Index of T

C G G G T : **0**
C G G T T : **4**
G C T C T : **3**
G T C T G : **1**
T G G G C : **2**

T: C G T G C G T G C T T

Index of T

C G G G T : 0
C G G T T : 4
G C T C T : 3
G T C T G : 1
T G G G C : 2

T: C G T G C G T G C T T

P: G C G T A C T