

abbabpqqp

$a b b a b p q q p$

a b b a b p
abba bb bab rrrr

q v p
qq

```

func recur(s, sp, ep) {
    if (sp == ep) return T
    if (sp > ep) return T
    if (s[sp] != s[ep]) return false
    return recur(s, sp+1, ep-1);
}

```

[illegible]

a b b a
0 1 2 3

$00 \rightarrow T$
 $01 \rightarrow F$
 $02 \rightarrow F$
 $03 \rightarrow T$
 $12 \rightarrow T$

abbabpqqp

0 1 2 3 4 5 6 7 8

[illegible]

3
↑
2 4

$$\begin{array}{ccccccc} & & b & b & c & & \\ & s & p & i & r & e & p \\ & & & & & & \downarrow \\ a & b & b & c & & c & \\ \hline & s & p & & & & e & p \end{array}$$
$$\begin{array}{c} 21 \\ \uparrow \downarrow \tau \\ 12 \\ \uparrow \downarrow \tau \\ 03 \end{array} \tau$$

```

5 func main() {
    for(i=0; i<n; i++)
        for(j=i; j<n; j++) {
            bool is pal = recur(S, i, j)
            if(isPal) cnt++;
        }
}

```