Backtracking
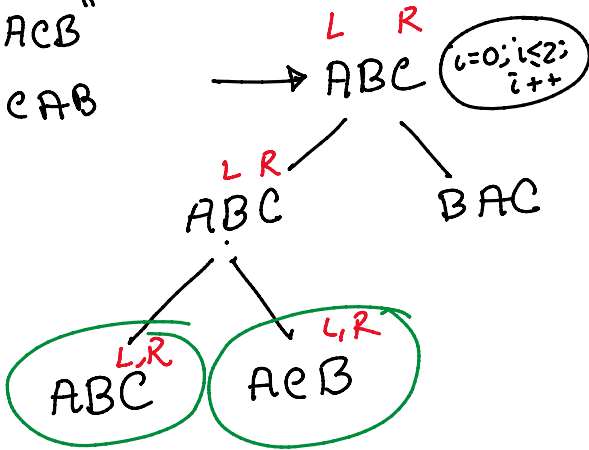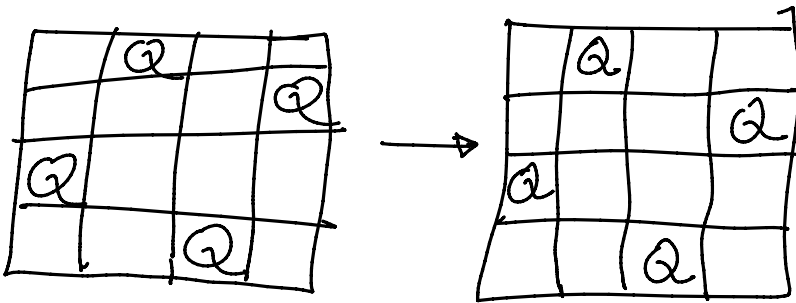
str = "ACB"
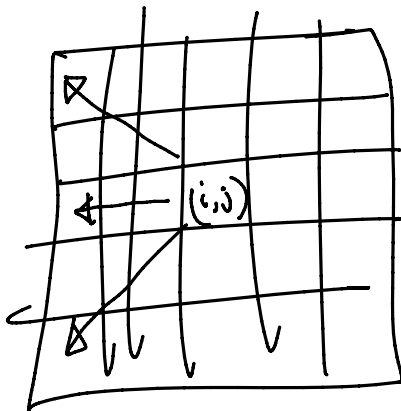 CAB


```
f(str, L, R)
{ if(L==R)
       ↳ str
       → return
  for(i=L; i≤R; i++)
  → swap(str[L], str[i])
  } → f(str, L+1, R)
      swap(str[L], str[i])

| f(str, 0, n-1)
```

— o —

N-QUEEN

N×N

2^{16}


```
f(col)
{ if(col≥N) → print solution
             → return
  for(i=0; i<N; i++)
  { if(isSafe(i, col))
    {  grid[i][col] = 1
       f(col+1)
    } }  grid[i][col] = 0
  }
}
```