**for** i = 0 → number of V sequence

**for** j = 0 → number of J sequence

**for** k = 0 → number of D sequence

**for** m = 0 → number of n-nucleotide sequence

**for** p = 0 → number of *in vivo* sequence

*Combination* **=** combineString(V[i], N[m], D[k], J[j]);

**for** q = n – nucleotide length → 0

If (combination == in vivo [p]) {

Counter[p]+=1;

} else {

Move (N[m][q] →T [n – nucleotide length-q]);

}

**end**

**end**

**end**

**end**

**end**

**end**