Estructuras de datos 2024-06-06 Analisis de algoritmos Arreglos Buerros pluas!

```
char *strupr (char *s) {
    char *mayusculas="ABCDEFGHIJKLMNOPQRSTUVWXYZ";
                    ="abcdefghijklmnopqrstuvwxyz";
    for (int i=0; i<strlen(s); i++) {
if (s[i]==minusculas(j)) ) ( (con)
                        T(ini)+v.(T(cond)+T(cnerpo)+T
          = 4t + V; (T2(N)+T(Mi)+V; (T(cond))+T(if)+T()
= 4t + V; (T2(N)+t+V; (T2(2G)+T(cond))+T(asig)
            = 4t + Vi (T2(N)+++ Vj(T2(26)+3+))
```

```
int strlen (char *s) {
      int i=0; a Sig; a con f
while (s[i]!=0)
          i++; asigz
       return i;
T_{z}(N) = T(asig) + T(while) + T(ret)
= 2t + V(T(cond) + T(asig))
= 2t + 2t V V = ? = 1
 => T, (N) = 2++2+N
```

$$T(N) = 4t + v_{i} \left(T_{2}(N) + t + v_{j} \left(T_{2}(26) + 3 t \right) \right)$$

$$= 4t + v_{i} \left(2t + 2t N + t + v_{j} \left(2t + 2(26) t + 3 t \right) \right)$$

$$= 4t + 2t v_{i} + 3t v_{i} N + v_{i} v_{j} + 5 + t$$

$$v_{j} = 7 = 26$$

$$= 7 = V$$

$$v_{j} = 7 = 26$$

$$= 7 = V$$

$$= 4t + 2t N + 3t N^{2} + (26) 5 + t N$$

$$= 4t + 1484 N + 3N^{2}$$

$$= 4t + 1484 N + 3N^{2}$$

$$= 4t + 1484 N + 3N^{2}$$

```
char *strupr (char *s) {
   char *mayusculas="ABCDEFGHIJKLMNOPQRSTUVWXYZ" ;
   char *minusculas = "abcdefghijklmnopqrstuvwxyz";
  for (int i=0; i<strlen(s); i++) {
  for (int j=0;j<strlen(minusculas);j++)</pre>
          if (s[i]==minusculas[j])
              s[i]=mayusculas[j];
   return s ;
```