# Evidencia Final 1

#### Fernando Israel Rios Garcia

2023-04-30

### Marco Teorico

¿Cuál es la situación actual de COVID-19 a nivel mundial, en México, en tu estado de origen y en tu municipio, alcaldía o colonia? Puedes iniciar tu búsqueda en el sitio de Johns HopkinsLinks to an external site..

El estado de la pandemia de COVID-19 en la fecha 4/30/2023. Dentro del panorama mundial hay 676,609,955 casos de COVID-19, 6,881,955 de muertes. En México es de un total de casos COVID-19 de 7,483,444 con 333,1888 muertes por la enfermedad. Dentro de mi localidad, en el estado de Querétaro 191,063 de casos COVID-19 y 6,974 de muertos. Aunque en el municipio de Querétaro solo hay el dato de 125,169 casos COVID-19.









## ¿Cuál fue la primera variante del virus que se propagó a todo el mundo?

La primera variante de COVID-19 fue Alpha (B.1.1.7) según (Katella, 2023) "Alpha (B.1.1.7) was the first of the highly publicized variants. Alpha first appeared in Great Britain in November 2020 and infections surged in December of that year."

### ¿Cuáles son las otras variantes del virus que existen en otras regiones del mundo?

Hay una larga de lista de variantes del COVID-19 desde la mencionada Alpha (B.1.1.7). Según el artículo escrito por (Katella, 2023):

- 1. Omicron (BA.1)- Botswana and South Africa in 2021
- 2.Delta (B.1.617.2)-India a finales de 2020
- 3.Delta AY.4.2-Inglaterra
- 4.Beta (B.1.351)- South Africa
- 5. Alpha (B.1.1.7)-Inglaterra 2020

There is another table of variants in the CDC segun (CDC,2023) existen las siguientes variantes:

## ¿Cómo buscarías información de la variante del virus en tu país?

Para buscar información sobre la variante del virus en mi país, revisaría sitios oficiales del gobierno, como el de la Secretaría de Salud, que proporcionan información actualizada sobre COVID-19, incluyendo la propagación del virus y las variantes identificadas. También buscaría información en medios de comunicación locales, revistas y artículos científicos. Además, trataría de revisar lo que expertos en salud han declarado y seguir a organizaciones en redes sociales que estén brindando información confiable sobre la situación del virus en mi país y el mundo en general. Me aseguraría de verificar cualquier información que encuentre antes de compartirla con otros, para evitar difundir información falsa o engañosa.

Imagina que te encuentras en una situación similar a la de Li Wenliang, médico chino que intentó alertar sobre el brote de coronavirus en su país, pero fue detenido por las autoridades y obligado a retractarse, ¿qué harías en su caso? Selecciona un inciso:a) Lo reportas al centro de investigación o la universidad. b) Lo reportas a la prensa. c) Guardas la información. Elige y justifica tu respuesta. Revisa el siguiente video como apoyo:

Lo reportaría a la prensa, creo que si yo fuera como Li un experto o profesional que tiene en sus manos información sensible, que si difundiera salvaría vidas la compartiría. Por que es mi vida por la de muchos mas, si me arrestaran por difundir la información o me mataran o desaparecieran seria mi vida por a ver alertado y por lo tanto salvado a muchos otros.

# Codigo

```
library(ape)
library(gridExtra)
library(ggplot2)
library(stringr)
library(seqinr)
##
## Attaching package: 'seqinr'
## The following objects are masked from 'package:ape':
##
##
       as.alignment, consensus
lengthSeq <- function(dnaseq) {</pre>
  contador <- 0
  for (i in 1:length(dnaseq)) {
    contador <- contador + 1</pre>
  return(contador)
}
percentageGC <- function(dnaseq) {</pre>
  bases <- c("C", "G")
  c <- 0
  for(i in 1:length(bases)){
    contador <- 0
    for(j in 1:length(dnaseq)){
      if (bases [i] == dnaseq [j]){
        contador <- contador + 1</pre>
      }
    }
    amount <- contador*100/length(dnaseq)</pre>
    c <- amount + c
  print(paste0("GC : ", c, "%"))
reverseSeq <- function(sequence) {</pre>
  n <- length(sequence)</pre>
  hebra_inv <- numeric(n)
```

```
for(i in 1:n){
    hebra_inv[i] <- sequence[n-i+1]
  return(hebra_inv)
}
percentageBases <- function(dnaseq){</pre>
  bnum \leftarrow c(0, 0, 0, 0)
  for (i in 1:length(dnaseq)) {
    if (dnaseq[i] == "A") {
      bnum[1] <- bnum[1] + 1
    } else if (dnaseq[i] == "C") {
      bnum[2] <- bnum[2] + 1
    } else if (dnaseq[i] == "G") {
      bnum[3] <- bnum[3] + 1
    } else if (dnaseq[i] == "T") {
      bnum[4] <- bnum[4] + 1
    }
  }
  tot b <- sum(bnum)
  porcentaje_bases \leftarrow c(0, 0, 0, 0)
  for (i in 1:length(bnum)) {
    porcentaje_bases[i] <- ((bnum[i] / tot_b) * 100)</pre>
  return(porcentaje_bases)
# Read Sequences and store it as a vector
# Strain Actual.txt
seq1 \leftarrow readLines("./secuenciasEvidencia1/Actual.txt", n = -1)[-1]
var1 <- paste(seq1, collapse = " ")</pre>
strainActual <- strsplit(var1, "")[[1]]</pre>
# Strain Alpha.txt
seq1 <- readLines("./secuenciasEvidencia1/Alpha.txt", n = -1)[-1]</pre>
var1 <- paste(seq1, collapse = " ")</pre>
strainAlpha <- strsplit(var1, "")[[1]]</pre>
# Strain Delta.txt
seq1 <- readLines("./secuenciasEvidencia1/Delta.txt", n = -1)[-1]</pre>
var1 <- paste(seq1, collapse = " ")</pre>
strainDelta <- strsplit(var1, "")[[1]]</pre>
# Strain Omicron.txt
seq1 \leftarrow readLines("./secuenciasEvidencia1/Omicron.txt", n = -1)[-1]
var1 <- paste(seq1, collapse = " ")</pre>
strainOmicron <- strsplit(var1, "")[[1]]</pre>
# Strain Wuhan.txt
seq1 <- readLines("./secuenciasEvidencia1/Wuhan.txt", n = -1)[-1]</pre>
var1 <- paste(seq1, collapse = " ")</pre>
strainWuhan <- strsplit(var1, "")[[1]]</pre>
#strainActual
lengthActual <- lengthSeq(strainActual)</pre>
percentageGC_Actual <- percentageGC(strainActual)</pre>
```

## [1] "GC : 37.3856948092974%"

```
percentageBasesActual <- percentageBases(strainActual)
reverseActual <- reverseSeq(strainActual)
print("strainActual")</pre>
```

#### ## [1] "strainActual"

#### strainActual

```
[1] "A" "G" "A" "T" "C" "T" "G" "T" "T" "C" "T" "C" "T" "A" "A" "A" "A" "C" "G"
##
      [19] "A" "A" "C" "T" "T" "T" "A" "A" "A" "A" "T" "C" "T" "G" "T" "G" "T" "G"
##
      [37] "G" "C" "T" "G" "T" "C" "A" "C" "T" "C" "G" "G" "G" "T" "G" "C" "A" "T"
##
      ##
##
      [91] "T" "T" "A" "C" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" "A" "G" "G" "A"
##
     [109] "C" "A" "C" "G" "A" "G" "T" "A" "A" "C" "T" "C" "G" "T" "C" "T" "A" "T"
##
     [127] "C" "T" "T" "C" "T" "G" "C" "A" "G" "G" "C" "T" "G" "C" "T" " " "T" "A"
##
     [145] "C" "G" "G" "T" "T" "T" "C" "G" "T" "C" "C" "G" "T" "G" "T" "T" "G" "C"
##
     [163] "A" "G" "C" "C" "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "C" "A" "T"
##
     [181] "C" "T" "A" "G" "G" "T" "T" "T" "T" "G" "T" "C" "C" "G" "G" "G" "T" "G"
     [199] "T" "G" "A" "C" "C" "G" "A" "A" "A" "G" "G" "T" "A" "A" " " " "G" "A" "T"
##
     [217] "G" "G" "A" "G" "A" "G" "C" "C" "T" "T" "G" "T" "C" "C" "C" "T" "G" "G"
     [235] "T" "T" "T" "C" "A" "A" "C" "G" "A" "G" "A" "A" "A" "A" "A" "C" "A" "C" "A"
##
     [253] "C" "G" "T" "C" "C" "A" "A" "C" "T" "C" "A" "G" "T" "T" "T" "G" "C" "C"
##
##
     [271] "T" "G" "T" "T" "T" "T" "A" "C" "A" "G" "G" "T" "T" " " "C" "G" "C" "G"
     [289] "A" "C" "G" "T" "G" "C" "T" "C" "G" "T" "A" "C" "G" "T" "G" "G" "C" "T"
     [307] "T" "T" "G" "G" "A" "G" "A" "C" "T" "C" "C" "G" "T" "G" "G" "A" "G" "G"
##
     [325] "A" "G" "G" "T" "C" "T" "T" "A" "T" "C" "A" "G" "A" "G" "G" "C" "A" "C"
##
     [343] "G" "T" "C" "A" "A" "C" "A" "T" "C" "T" "T" "A" " " "G" "A" "G" "A" "T"
##
     [361] "G" "G" "C" "A" "C" "T" "T" "G" "T" "G" "G" "C" "T" "T" "A" "G" "T" "A"
##
     [379] "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "G" "C" "G" "T" "T"
##
          "T" "T" "G" "C" "C" "T" "C" "A" "A" "C" "T" "T" "G" "A" "A" "A" "C" "A" "G"
##
     [397]
     [415] "C" "C" "C" "T" "A" "T" "G" "T" "G" "T" "T" " " "C" "A" "T" "C" "A" "A" "A"
##
     [433] "A" "C" "G" "T" "T" "C" "G" "G" "A" "T" "G" "C" "T" "C" "G" "A" "A" "C"
##
     [451] "T" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T" "C" "A" "T" "G" "T"
##
     [469] "T" "A" "T" "G" "G" "T" "T" "G" "A" "G" "C" "T" "G" "G" "T" "A" "G" "C"
##
     [487] "A" "G" "A" "A" "C" "T" "C" "G" "A" "A" " " "G" "G" "C" "A" "T" "T" "C"
##
     [505] "A" "G" "T" "A" "C" "G" "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "T" "G"
##
     [523] "A" "G" "A" "C" "A" "C" "T" "T" "G" "G" "T" "G" "T" "C" "C" "T" "T" "G"
##
     [541] "T" "C" "C" "C" "T" "C" "A" "T" "G" "T" "G" "G" "G" "C" "G" "A" "A" "A" "A"
##
     [559] "T" "A" "C" "C" "A" "G" "T" "G" "G" " " " "C" "T" "T" "A" "C" "C" "G" "C"
##
     [577] "A" "A" "G" "G" "T" "T" "C" "T" "T" "C" "T" "T" "C" "G" "T" "A" "A" "G"
##
     [595] "A" "A" "C" "G" "G" "T" "A" "A" "T" "A" "A" "A" "G" "G" "A" "G" "C" "T"
##
     [613] "G" "G" "T" "G" "G" "C" "C" "A" "T" "A" "G" "G" "T" "A" "C" "G" "G" "C"
##
     [631] "G" "C" "C" "G" "A" "T" "C" "T" " " "A" "A" "A" "G" "T" "C" "A" "T" "T"
##
     [649] "T" "G" "A" "C" "T" "T" "A" "G" "G" "C" "G" "A" "C" "G" "A" "G" "C" "T"
##
     [667] "T" "G" "G" "C" "A" "C" "T" "G" "A" "T" "C" "C" "T" "T" "A" "T" "G" "A"
##
     [685] "A" "G" "A" "T" "T" "T" "T" "C" "A" "A" "G" "A" "A" "A" "A" "A" "C" "T" "G"
##
##
     [703] "G" "A" "A" "C" "A" "C" "T" " " "A" "A" "A" "C" "A" "T" "A" "G" "C" "A"
     [721] "G" "T" "G" "G" "T" "G" "T" "T" "A" "C" "C" "C" "G" "T" "G" "A" "A" "C"
##
     [739] "T" "C" "A" "T" "G" "C" "G" "T" "G" "A" "G" "C" "T" "T" "A" "A" "C" "G"
##
     [757] "G" "A" "G" "G" "G" "G" "C" "A" "T" "A" "C" "A" "C" "T" "C" "G" "C" "T"
##
     [775] "A" "T" "G" "T" "C" "G" " " "A" "T" "A" "A" "C" "A" "A" "C" "T" "T" "T" "C"
##
     [793] "T" "G" "T" "G" "G" "C" "C" "C" "T" "G" "A" "T" "G" "G" "C" "T" "A" "C"
##
     [811] "C" "C" "T" "C" "T" "T" "G" "A" "G" "T" "G" "C" "A" "T" "T" "A" "A" "A"
##
     [829] "G" "A" "C" "C" "T" "T" "C" "T" "A" "G" "C" "A" "C" "G" "T" "G" "C" "T"
```

```
[847] "G" "G" "T" "A" "A" " " "A" "G" "C" "T" "T" "C" "A" "T" "G" "C" "A" "C"
##
     [865] "T" "T" "T" "G" "T" "C" "C" "G" "A" "A" "C" "A" "A" "C" "T" "G" "G" "A"
##
     [883] "C" "T" "T" "T" "A" "T" "T" "G" "A" "C" "A" "C" "T" "A" "A" "G" "A" "G"
##
##
     [901] "G" "G" "G" "T" "G" "T" "A" "T" "A" "C" "T" "G" "C" "T" "G" "C" "T" "G" "C" "C" "C" "C" "G"
     [919] "T" "G" "A" "A" " " " "C" "A" "T" "G" "A" "G" "C" "A" "T" "G" "A" "A" "A" "A"
##
     [937] "T" "T" "G" "C" "T" "T" "G" "G" "T" "A" "C" "A" "C" "G" "G" "A" "A" "C"
##
     [955] "G" "T" "T" "C" "T" "G" "A" "A" "A" "A" "G" "A" "G" "C" "T" "A" "T" "G"
##
     [973] "A" "A" "T" "T" "G" "C" "A" "G" "A" "C" "A" "C" "C" "T" "T" "T" "T" "G"
##
     ##
    [1009] "A" "A" "A" "T" "T" "T" "G" "A" "C" "A" "C" "C" "T" "T" "C" "A" "A" "T"
##
    [1027] "G" "G" "G" "G" "A" "A" "T" "G" "T" "C" "C" "A" "A" "A" "T" "T" "T" "T"
    [1045] "G" "T" "A" "T" "T" "T" "C" "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C"
##
    [1063] "A" "T" " " "A" "A" "T" "C" "A" "A" "G" "A" "C" "T" "A" "T" "T" "C" "A"
    [1081] "A" "C" "C" "A" "A" "G" "G" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "A" "A"
##
    [1099] "A" "A" "A" "G" "C" "T" "T" "G" "A" "T" "G" "G" "C" "T" "T" "T" "A" "T"
    [1117] "G" "G" "G" "T" "A" "G" "A" "A" "T" "T" "C" "G" "A" "T" "C" "T" "G" "T"
##
##
    [1135] "C" " " "T" "A" "T" "C" "C" "A" "G" "T" "T" "G" "C" "G" "T" "C" "A" "C"
    [1153] "C" "A" "A" "A" "T" "G" "A" "A" "T" "G" "C" "A" "A" "C" "C" "A" "A" "A" "A"
##
    [1171] "T" "G" "T" "G" "C" "T" "T" "T" "T" "C" "A" "A" "C" "T" "C" "T" "C" "A"
    [1189] "T" "G" "A" "A" "G" "T" "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "T" "G"
##
    [1207] " " "G" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "T" "G" "G" "G" "C" "A" "G"
##
    [1225] "A" "C" "G" "G" "G" "C" "G" "A" "T" "T" "T" "T" "G" "T" "T" "A" "A" "A"
##
    [1243] "G" "C" "C" "A" "C" "T" "T" "G" "C" "G" "A" "A" "T" "T" "T" "T" "T" "G" "T"
##
    [1261] "G" "G" "C" "A" "C" "T" "G" "A" "G" "A" "A" "T" "T" "T" "T" "G" "A" "C" " "
    [1279] "T" "A" "A" "A" "G" "A" "A" "G" "G" "T" "G" "C" "C" "A" "C" "T" "A" "C"
##
    [1297] "T" "T" "G" "T" "G" "G" "T" "T" "A" "C" "T" "T" "A" "C" "C" "C" "C" "C" "A"
    [1315] "A" "A" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "T"
##
    [1333] "T" "T" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "A" "T" "G" "T" " "C"
    [1351] "A" "C" "A" "A" "T" "T" "C" "A" "G" "A" "A" "G" "T" "A" "G" "G" "A" "C"
##
    [1369] "C" "T" "G" "A" "G" "C" "A" "T" "A" "G" "T" "C" "T" "T" "G" "C" "C" "G"
    [1387] "A" "A" "T" "A" "C" "C" "A" "T" "A" "A" "T" "G" "A" "A" "T" "C" "T" "G"
##
##
    [1405] "G" "C" "T" "T" "G" "A" "A" "A" "A" "C" "C" "A" "T" "T" "C" " " " "T" "T"
    [1423] "C" "G" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "C" "G" "C" "A" "C" "T"
##
    [1441] "A" "T" "T" "G" "C" "T" "T" "T" "G" "G" "A" "G" "G" "C" "T" "G" "T"
##
    [1459] "G" "T" "G" "T" "T" "C" "T" "C" "T" "A" "T" "G" "T" "T" "G" "G" "T"
##
    [1477] "T" "G" "C" "C" "A" "T" "A" "A" "C" "A" "A" "G" "T" "G" " " "T" "G" "C"
##
    [1495] "C" "T" "A" "T" "T" "G" "G" "G" "T" "T" "C" "C" "A" "C" "G" "T" "G" "C"
##
##
    [1513] "T" "A" "G" "C" "G" "C" "T" "A" "A" "C" "A" "T" "A" "G" "G" "T" "T" "G"
    [1531] "T" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "G" "T" "G" "T" "T" "G" "T"
##
    [1549] "T" "G" "G" "A" "G" "A" "A" "G" "G" "T" "T" "C" "C" " " " "G" "A" "A" "G"
##
    [1567] "G" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "A" "A" "C" "C" "T" "T" "C"
    [1585] "T" "T" "G" "A" "A" "A" "T" "A" "C" "T" "C" "C" "A" "A" "A" "A" "A" "A" "A" "G"
##
    [1603] "A" "G" "A" "A" "A" "G" "T" "C" "A" "A" "C" "A" "T" "C" "A" "A" "T" "A"
##
    [1621] "T" "T" "G" "T" "T" "G" "G" "T" "G" "A" "C" "T" " "T" "T" "A" "A" "A" "A"
    [1639] "C" "T" "T" "A" "A" "T" "G" "A" "A" "G" "A" "G" "A" "T" "C" "G" "C" "C"
    [1657] "A" "T" "T" "A" "T" "T" "T" "T" "G" "G" "C" "A" "T" "C" "T" "T" "T" "T"
##
    [1675] "T" "C" "T" "G" "C" "T" "T" "C" "C" "A" "C" "A" "A" "G" "T" "G" "C" "T"
##
    [1693] "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "C" " "T" "G" "T" "G" "A" "A" "A"
##
    [1711] "A" "G" "G" "T" "T" "T" "G" "G" "A" "T" "T" "A" "T" "A" "A" "A" "A" "G" "C"
    [1729] "A" "T" "T" "C" "A" "A" "A" "C" "A" "A" "A" "T" "T" "G" "T" "T" "G" "A"
##
    [1747] "A" "T" "C" "C" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T" "T" "T" "A" "A"
##
    ##
    [1783] "C" "T" "A" "A" "A" "A" "A" "A" "G" "G" "T" "G" "C" "C" "T" "G" "G" "A"
##
    [1801] "A" "T" "A" "T" "T" "G" "G" "T" "G" "A" "A" "C" "A" "G" "A" "A" "A" "T"
##
```

```
[1819] "C" "A" "A" "T" "A" "C" "T" "G" "A" "G" "T" "C" "C" "T" "C" "T" "T" "T"
   [1837] "A" "T" "G" "C" "A" "T" "T" "T" "G" " " "C" "A" "T" "C" "A" "G" "A" "G"
##
   [1855] "G" "C" "T" "G" "C" "T" "C" "G" "T" "G" "T" "T" "G" "T" "A" "C" "G" "A"
   [1873] "T" "C" "A" "A" "T" "T" "T" "T" "C" "T" "C" "C" "C" "G" "C" "A" "C" "A" "C" "T"
   [1891] "C" "T" "T" "G" "A" "A" "A" "C" "T" "G" "C" "T" "C" "A" "A" "A" "A" "A" "T"
   [1909] "T" "C" "T" "G" "T" "G" "C" "G" " " "T" "G" "T" "T" "T" "T" "T" "A" "C" "A"
##
   [1927] "G" "A" "A" "G" "G" "C" "C" "G" "C" "T" "A" "T" "A" "A" "C" "A" "A" "T"
   [1945] "A" "C" "T" "A" "G" "A" "T" "G" "G" "A" "A" "T" "T" "T" "T" "C" "A" "C" "A"
##
   [1963] "G" "T" "A" "T" "T" "C" "A" "C" "T" "G" "A" "G" "A" "C" "T" "C" "T" "C" "A" "T"
   [1981] "T" "G" "A" "T" "G" "C" "T" " "A" "T" "G" "A" "T" "G" "T" "T" "C" "A"
##
   [1999] "C" "A" "T" "C" "T" "G" "A" "T" "T" "T" "G" "G" "C" "T" "A" "C" "T" "A"
   [2017] "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "T" "G" "T" "A" "A" "T" "G" "G"
##
   [2035] "C" "C" "T" "A" "C" "A" "T" "T" "A" "C" "A" "G" "G" "T" "G" "G" "T" "G"
   [2053] "T" "T" "G" "T" "T" "C" " "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "G"
##
   [2071] "C" "A" "G" "T" "G" "G" "C" "T" "A" "A" "C" "T" "A" "A" "C" "A" "T" "C"
   [2089] "T" "T" "T" "G" "G" "C" "A" "C" "T" "G" "T" "T" "T" "A" "T" "G" "A" "A"
##
##
   [2107] "A" "A" "A" "C" "T" "C" "A" "A" "A" "C" "C" "C" "G" "T" "C" "C" "T" "T"
   ##
   [2143] "G" "T" "T" "T" "A" "A" "G" "G" "A" "A" "G" "G" "T" "G" "T" "A" "G" "A"
   [2161] "G" "T" "T" "T" "C" "T" "T" "A" "G" "A" "G" "A" "C" "G" "G" "T" "T" "G"
##
   [2179] "G" "G" "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "T" "T" "A" "T"
##
   [2197] "C" "T" "C" "A" " " "A" "C" "C" "T" "G" "T" "G" "C" "T" "T" "G" "T" "G"
   [2215] "A" "A" "A" "T" "T" "G" "T" "C" "G" "G" "T" "G" "G" "A" "C" "A" "A" "A"
##
   [2233] "T" "T" "G" "T" "C" "A" "C" "C" "T" "G" "T" "G" "C" "A" "A" "A" "A" "G" "G"
   [2251] "A" "A" "A" "T" "T" "A" "A" "G" "G" "A" "G" "A" "G" "T" "G" "T" "T" "C"
##
   [2269] "A" "G" "A" " " "C" "A" "T" "T" "C" "T" "T" "T" "A" "A" "G" "C" "T" "T"
   ##
   [2305] "T" "T" "G" "T" "G" "T" "G" "C" "T" "G" "A" "C" "T" "C" "T" "A" "T" "C"
   [2323] "A" "T" "T" "A" "T" "T" "G" "G" "T" "G" "G" "A" "G" "C" "T" "A" "A" "A"
##
   [2341] "C" "T" " "T" "A" "A" "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "T" "T"
   [2359] "A" "G" "G" "T" "G" "A" "A" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" "C"
##
   [2377] "G" "C" "A" "C" "T" "C" "A" "A" "A" "G" "G" "G" "A" "T" "T" "G" "T" "A"
##
   [2395] "C" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "T" "T" "A" "A" "A" "A" "T" "C"
##
   ##
   [2431] "T" "A" "C" "T" "C" "A" "T" "G" "C" "C" "T" "C" "T" "A" "A" "A" "A" "A" "G"
##
   [2449] "C" "C" "C" "C" "A" "A" "A" "A" "G" "A" "A" "A" "T" "T" "A" "T" "T" "C" "T"
##
   ##
##
   [2485] " " "T" "T" "C" "C" "C" "A" "C" "A" "G" "A" "A" "G" "T" "G" "T" "T" "A"
   [2503] "A" "C" "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T" "G"
##
   [2521] "A" "A" "A" "A" "C" "T" "G" "G" "T" "G" "A" "T" "T" "T" "A" "C" "A" "A"
##
   [2539] "C" "C" "A" "T" "T" "A" "G" "A" "A" "C" "A" "A" "C" "C" "C" "T" "A" "C" "
   [2557] "T" "A" "G" "T" "G" "A" "A" "G" "C" "T" "G" "T" "T" "G" "A" "A" "A" "G" "C"
##
   [2575] "T" "C" "C" "A" "T" "T" "G" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C" "C"
##
   [2593] "A" "G" "T" "T" "T" "G" "T" "A" "T" "T" "A" "A" "C" "G" "G" "G" "C" "T"
   [2611] "T" "A" "T" "G" "T" "T" "G" "C" "T" "C" "G" "A" "A" "A" "A" "T" "C" " " "A"
   [2629] "A" "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A" "A" "G" "T" "A" "C" "T"
##
   [2647] "G" "T" "G" "C" "C" "C" "T" "T" "G" "C" "A" "C" "C" "T" "A" "A" "T" "A"
##
   ##
   [2683] "C" "C" "T" "T" "C" "A" "C" "A" "C" "T" "C" "A" "A" "A" "A" "G" " " "G" "C"
   ##
   [2719] "A" "C" "T" "T" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T"
##
   [2737] "G" "T" "G" "A" "T" "A" "G" "A" "A" "G" "T" "G" "C" "A" "A" "G" "T"
##
   [2755] "T" "A" "C" "A" "A" "G" "A" "G" "T" "G" "T" "G" "A" "A" "A" " " " "T" "A" "T"
##
   [2773] "C" "A" "T" "T" "T" "T" "T" "G" "A" "A" "C" "T" "T" "G" "A" "T" "G" "A"
##
```

```
[2791] "A" "A" "G" "G" "A" "T" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "C" "T"
    [2809] "T" "A" "A" "T" "G" "A" "G" "A" "A" "G" "T" "G" "C" "T" "C" "T" "G" "C"
##
    [2827] "C" "T" "A" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" "A" " " "C" "T" "C" "G"
##
   [2845] "G" "T" "A" "C" "A" "G" "A" "A" "G" "T" "A" "A" "A" "A" "T" "G" "A" "G" "T"
##
   [2863] "T" "C" "G" "C" "C" "T" "G" "T" "G" "T" "T" "G" "T" "G" "T" "G" "C" "A" "G"
   [2881] "A" "T" "G" "C" "T" "G" "T" "C" "A" "T" "A" "A" "A" "A" "A" "A" "C" "T" "T"
##
   [2899] "T" "G" "C" "A" "A" "C" "C" "A" "G" "T" "A" "T" " " "C" "T" "G" "A" "A"
   [2917] "T" "T" "A" "C" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "G" "C"
##
    [2935] "A" "T" "T" "G" "A" "T" "T" "T" "A" "G" "A" "T" "G" "A" "G" "T" "G" "G"
##
   [2953] "A" "G" "T" "A" "T" "G" "G" "C" "T" "A" "C" "A" "T" "A" "C" "T" "A" "C"
##
          "T" "T" "A" "T" "T" "T" "G" "A" "T" "G" "A" " " "G" "T" "C" "T" "G" "G"
    [2971]
   [2989] "T" "G" "A" "G" "T" "T" "T" "A" "A" "A" "T" "T" "G" "G" "C" "T" "T" "C"
##
   [3007] "A" "C" "A" "T" "A" "T" "G" "T" "A" "T" "T" "G" "T" "T" "C" "T" "T" "T"
   [3025] "T" "T" "A" "C" "C" "C" "T" "C" "C" "A" "G" "A" "T" "G" "A" "G" "A" "G" "A"
##
   [3061] "G" "T" "G" "A" "A" "G" "A" "A" "G" "A" "A" "G" "A" "G" "A" "G" "T" "T" "T" "T" "G"
##
##
   [3079] "A" "G" "C" "C" "A" "T" "C" "A" "A" "C" "T" "C" "A" "A" "T" "G"
    [3097] "A" "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "G" "A" "A" "G" "A" "T" "G"
   [3115] "A" "T" "T" "A" "C" "C" "A" "A" "G" " " "G" "T" "A" "A" "A" "A" "C" "C" "T"
   [3133] "T" "T" "G" "G" "A" "A" "T" "T" "T" "G" "G" "T" "G" "C" "C" "A" "C" "T"
##
   [3151] "T" "C" "T" "G" "C" "T" "G" "C" "T" "C" "T" "T" "C" "A" "A" "C" "C" "T"
##
   [3187] "G" "A" "T" "T" "G" "G" "T" "T" " " "A" "G" "A" "T" "G" "A" "T" "G" "A"
##
   [3205] "T" "A" "G" "T" "C" "A" "A" "C" "A" "A" "A" "C" "T" "G" "T" "T" "G" "G"
##
   [3223] "T" "C" "A" "A" "C" "A" "A" "G" "A" "C" "G" "G" "C" "A" "G" "T" "G" "A"
##
   [3241] "G" "G" "A" "C" "A" "A" "T" "C" "A" "G" "A" "C" "A" "A" "C" "T" "A" "C"
   [3259] "T" "A" "T" "T" "C" "A" "A" " " "A" "C" "A" "A" "T" "T" "G" "T" "T" "G"
##
   [3277] "A" "G" "G" "T" "T" "C" "A" "A" "C" "C" "T" "C" "A" "A" "T" "T" "A" "G"
   [3295] "A" "G" "A" "T" "G" "G" "A" "A" "C" "T" "T" "A" "C" "A" "C" "C" "A" "G"
##
   [3313] "T" "T" "G" "T" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "G"
   [3331] "T" "G" "A" "A" "T" "A" " "G" "T" "T" "T" "T" "A" "G" "T" "G" "G" "T"
##
##
    [3349]
          "T" "A" "T" "T" "T" "A" "A" "A" "A" "C" "T" "T" "A" "C" "T" "G" "A" "C"
   ##
   [3385] "G" "C" "A" "G" "A" "C" "A" "T" "T" "G" "T" "G" "G" "A" "A" "A" "A" "A"
##
   [3403] "G" "C" "T" "A" "A" "A" "A" "A" "G" "G" "T" "A" "A" "A" "A" "A" "C" "C"
##
   [3421] "A" "A" "C" "A" "G" "T" "G" "G" "T" "T" "G" "T" "T" "A" "A" "A" "T" "G" "C"
##
   [3439] "A" "G" "C" "C" "A" "A" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "A" "A"
##
##
   [3457] "A" "C" "A" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "G" "T" "G" "T" "G" "C"
   [3475] "A" "G" "G" "A" " " "G" "C" "C" "T" "T" "A" "A" "A" "T" "A" "A" "A" "G" "G"
##
   [3493] "C" "T" "A" "C" "T" "A" "A" "C" "A" "A" "T" "G" "C" "C" "A" "T" "G" "C"
##
    [3511] "A" "A" "G" "T" "T" "G" "A" "A" "T" "C" "T" "G" "A" "T" "G" "A" "T" "T"
   [3529] "A" "C" "A" "T" "A" "G" "C" "T" "A" "C" "T" "A" "A" "A" "T" "G" "G" "A" "C"
##
   [3547] "C" "A" "C" " " "T" "T" "A" "A" "A" "G" "T" "G" "G" "G" "T" "G" "G" "T"
   [3565] "A" "G" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "G" "C" "G" "G" "A"
##
   [3583] "C" "A" "C" "A" "A" "T" "C" "T" "T" "G" "C" "T" "A" "A" "A" "A" "C" "A" "C"
   [3601] "T" "G" "T" "C" "T" "T" "C" "A" "T" "G" "T" "T" "G" "T" "C" "G" "G" "C"
##
    [3619] "C" "C" " " "A" "A" "A" "T" "G" "T" "T" "A" "A" "C" "A" "A" "A" "A" "G" "G"
##
   [3637] "T" "G" "A" "A" "G" "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "T" "C" "T"
##
   [3655] "T" "A" "A" "G" "A" "G" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A"
   [3673] "T" "T" "T" "T" "A" "A" "T" "C" "A" "G" "C" "A" "C" "G" "A" "A" "A" "G" "T"
##
   [3691] "T" " " "C" "T" "A" "C" "T" "T" "G" "C" "A" "C" "C" "A" "T" "T" "A" "T"
##
   [3709] "T" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "A" "T" "T" "T" "T" "T" "T" "G"
##
    ##
   [3745] "C" "T" "T" "T" "A" "A" "G" "A" "G" "T" "T" "T" "G" "T" "G" "T" "A" "G"
##
```

```
[3763] " " "A" "T" "A" "C" "T" "G" "T" "T" "C" "G" "C" "A" "C" "A" "A" "A" "A" "T"
   [3781] "G" "T" "C" "T" "A" "C" "T" "T" "A" "G" "C" "T" "G" "T" "C" "T" "T" "T"
##
   [3799] "G" "A" "T" "A" "A" "A" "A" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A" "C"
##
   [3817] "A" "A" "A" "C" "T" "T" "G" "T" "T" "T" "C" "A" "A" "G" "C" "T" "T" "T" "
##
   [3835] "T" "T" "T" "G" "G" "A" "A" "A" "T" "G" "A" "A" "G" "A" "G" "T" "G" "A"
   [3853] "A" "A" "A" "G" "C" "A" "A" "G" "T" "T" "G" "A" "A" "C" "A" "A" "A" "A" "A"
##
   [3871] "G" "A" "T" "C" "G" "C" "T" "G" "A" "G" "A" "T" "T" "C" "C" "T" "A" "A"
   [3889] "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "A" "A" "G" "C" "C" "A" " "T"
##
   [3907] "T" "T" "A" "T" "A" "A" "C" "T" "G" "A" "A" "A" "G" "T" "A" "A" "A" "C"
   [3925] "C" "T" "T" "C" "A" "G" "T" "T" "G" "A" "A" "C" "A" "G" "A" "G" "A" "A" "A"
##
   [3961] "T" "C" "A" "A" "A" "G" "C" "T" "T" "G" "T" "G" "T" "T" "G" " " "A" "A"
##
   [3997] "G" "A" "A" "G" "A" "A" "A" "C" "T" "A" "A" "G" "T" "T" "C" "C" "T" "C"
##
   [4015] "A" "C" "A" "G" "A" "A" "A" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T" "T"
   [4033] "T" "A" "T" "A" "T" "T" "G" "A" "C" "A" "T" "T" "A" "A" " " "T" "G" "G"
##
##
   Γ4051]
         "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "C" "A" "G" "A" "G" "A" "T" "T" "C"
   [4069] "T" "G" "C" "C" "A" "C" "T" "C" "T" "T" "G" "T" "T" "A" "G" "T" "G" "A"
   [4105] "A" "A" "A" "G" "A" "A" "A" "G" "A" "T" "G" "C" "T" " " "C" "C" "A" "T"
##
   [4123] "A" "T" "A" "T" "A" "G" "T" "G" "G" "G" "T" "G" "A" "T" "G" "T" "T" "G"
##
   [4159] "C" "T" "G" "C" "T" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "C" "T" "A"
##
   [4177] "C" "T" "A" "A" "A" "A" "A" "G" "G" "C" "T" "A" " " "G" "T" "G" "G" "C"
   [4195] "A" "C" "T" "A" "C" "T" "G" "A" "A" "A" "T" "G" "C" "T" "A" "G" "C" "G"
##
   [4213] "A" "A" "A" "G" "C" "T" "T" "T" "G" "A" "G" "A" "A" "A" "A" "A" "G" "T" "G"
   [4231] "C" "C" "A" "A" "C" "A" "G" "A" "C" "A" "A" "T" "T" "A" "T" "A" "T" "A"
   [4249] "A" "C" "C" "A" "C" "T" "T" "A" "C" "C" "C" "C" "G" "G" "G" "T" "C" "A"
   [4267] "G" "G" "G" "T" "T" "T" "A" "A" "A" "T" "G" "G" "T" "T" "A" "C" "A" "C"
##
   [4285] "T" "G" "T" "A" "G" "A" "G" "G" "A" "G" "G" "C" "A" "A" "A" "A" "G" "A" "C"
   [4303] "A" "G" "T" "G" "C" "T" "T" "A" "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "A"
##
   [4321] "A" "A" "G" "T" "G" "C" "T" "T" "T" "T" "T" " "T" "A" "C" "A" "T" "T" "C"
##
   [4339] "T" "A" "C" "C" "A" "T" "C" "T" "A" "T" "T" "A" "T" "C" "T" "C" "T" "A"
##
   ##
   [4375] "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "T" "T" "C" "T" "T" "G" "G" "A"
##
   [4393] "A" "T" "T" "T" "G" "C" "G" "A" "G" " " "A" "A" "A" "A" "A" "T" "G" "C" "T" "T"
##
   ##
##
   [4429] "C" "G" "C" "A" "A" "A" "T" "T" "A" "A" "T" "G" "C" "C" "T" "G" "T" "C"
   [4447] "T" "G" "T" "G" "T" "G" "G" "A" "A" "A" "C" "T" "A" "A" "A" "A" "G" "C" "C"
##
   [4465] "A" "T" "A" "G" "T" "T" "T" "C" " " "A" "A" "C" "T" "A" "T" "A" "C" "A"
##
   [4483] "G" "C" "G" "T" "A" "A" "A" "T" "A" "T" "A" "G" "G" "G" "G" "T" "A" "T"
   [4501] "T" "A" "A" "A" "A" "T" "A" "C" "A" "A" "G" "A" "G" "G" "G" "G" "T" "G" "T"
##
   [4519] "G" "G" "T" "T" "G" "A" "T" "T" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G"
   [4537] "A" "T" "T" "T" "T" "A" "C" " " "T" "T" "T" "T" "A" "C" "A" "C" "C" "A"
##
   [4555] "G" "T" "A" "A" "A" "A" "C" "A" "A" "C" "T" "G" "T" "A" "G" "C" "G" "T"
   [4573] "C" "A" "C" "T" "T" "A" "T" "C" "A" "A" "C" "A" "C" "A" "C" "A" "C" "T" "T" "A"
##
   [4591] "A" "C" "G" "A" "T" "C" "T" "A" "A" "A" "T" "G" "A" "A" "A" "A" "C" "T" "C"
##
   [4609] "T" "T" "G" "T" "T" "A" " " "C" "A" "A" "T" "G" "C" "C" "A" "A" "T" "G" "C" "A" "A" "T" "T"
##
   [4627] "G" "G" "C" "T" "A" "T" "G" "T" "A" "A" "C" "A" "C" "A" "T" "G" "G" "C"
   [4645] "T" "T" "A" "A" "A" "T" "T" "T" "G" "G" "A" "A" "G" "A" "A" "G" "C" "T"
##
   [4663] "G" "C" "T" "C" "G" "G" "T" "A" "T" "A" "T" "G" "A" "G" "A" "T" "C" "T"
##
   [4681] "C" "T" "C" "A" "A" " " "A" "G" "T" "G" "C" "C" "A" "G" "C" "T" "A" "C"
##
   [4699] "A" "G" "T" "T" "T" "C" "T" "G" "T" "T" "T" "C" "T" "T" "C" "A" "C" "C"
##
   [4717] "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" "A" "C" "A" "G" "C" "G" "T" "A"
##
```

```
[4735] "T" "A" "A" "T" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "T" "C"
    [4753] "T" "T" "C" "T" " "T" "C" "T" "A" "A" "A" "A" "A" "C" "A" "C" "C" "T" "G"
##
    [4771] "A" "A" "G" "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "T" "G" "A" "A" "A" "A"
##
    [4789] "C" "C" "A" "T" "C" "T" "C" "A" "C" "T" "T" "G" "C" "T" "G" "G" "T" "T"
##
    [4807] "C" "C" "T" "A" "T" "A" "A" "A" "G" "A" "T" "T" "G" "G" "T" "C" "C" "T"
    [4825] "A" "T" "T" " " "C" "T" "G" "G" "A" "C" "A" "A" "T" "C" "T" "A" "C" "A"
##
    [4843] "C" "A" "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "G" "A" "A" "T" "T" "T"
    [4861] "C" "T" "T" "A" "A" "G" "A" "G" "A" "G" "T" "G" "A" "T" "A" "A" "A"
##
    [4879] "A" "G" "T" "G" "T" "A" "T" "A" "T" "T" "A" "C" "A" "C" "A" "C" "A" "G" "T"
##
    [4897] "A" "A" " "T" "C" "C" "T" "A" "C" "C" "A" "C" "A" "T" "T" "C" "C" "A"
##
    [4915] "C" "C" "T" "A" "G" "A" "T" "G" "G" "T" "G" "A" "A" "G" "T" "T" "A" "T"
    [4933] "C" "A" "C" "C" "T" "T" "T" "G" "A" "C" "A" "A" "T" "C" "T" "T" "A" "A"
##
    [4969] "A" " "G" "A" "A" "G" "T" "G" "A" "G" "G" "A" "C" "T" "A" "T" "T" "A"
##
    [4987] "A" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "A" "C" "A" "G" "T" "A" "G"
    [5005] "A" "C" "A" "A" "C" "A" "T" "T" "A" "A" "C" "C" "T" "C" "C" "A" "C" "A"
##
##
    [5023] "C" "G" "C" "A" "A" "G" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "G" "T"
    [5041] " " "C" "A" "A" "T" "G" "A" "C" "A" "T" "A" "T" "G" "G" "A" "C" "A" "A"
##
    [5059] "C" "A" "G" "T" "T" "T" "G" "G" "T" "C" "C" "A" "A" "C" "T" "T" "A" "T"
    [5077] "T" "T" "G" "G" "A" "T" "G" "G" "A" "G" "C" "T" "G" "A" "T" "G" "T" "T"
##
    ##
    [5113] "T" "A" "A" "T" "T" "C" "A" "C" "A" "T" "G" "A" "A" "G" "G" "T" "A" "A" "A"
    [5131] "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A" "C" "C"
##
    [5149] "T" "A" "A" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T" "C" "T" "A" "C" "G"
##
    [5167] "T" "G" "T" "T" "G" "A" "G" "G" "C" "T" "T" "T" "T" "T" "G" "A" "G" " " "T"
##
    [5185] "A" "C" "T" "A" "C" "C" "A" "C" "A" "C" "A" "A" "C" "T" "G" "A" "T" "C"
    [5203] "C" "T" "A" "G" "T" "T" "T" "T" "C" "T" "G" "G" "G" "T" "A" "G" "G" "T"
##
    [5221] "A" "C" "A" "T" "G" "T" "C" "A" "G" "C" "A" "T" "T" "A" "A" "A" "A" "T" "C"
    [5239] "A" "C" "A" "C" "T" "A" "A" "A" "A" "A" "G" "T" "G" "G" "A" " " "A" "A" "A"
##
    [5257] "T" "A" "C" "C" "C" "A" "C" "A" "A" "G" "T" "T" "A" "A" "T" "G" "G" "T"
    [5275] "T" "T" "A" "A" "C" "T" "T" "C" "T" "A" "T" "A" "A" "A" "A" "A" "T" "G" "G"
##
##
    [5293] "G" "C" "A" "G" "A" "T" "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "T"
    [5311] "C" "T" "T" "G" "C" "C" "A" "C" "T" "G" "C" "A" "T" "T" "T" "T" "T" "T"
##
    ##
    [5347] "G" "T" "T" "G" "A" "A" "G" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C" "C"
##
    [5365] "T" "G" "C" "T" "C" "T" "A" "C" "A" "A" "G" "A" "T" "G" "C" "T" "T" "A"
##
    [5383] "T" "T" "A" "C" "A" "G" "A" "G" "C" "A" "A" "G" "G" " " " "G" "C" "T" "G"
##
##
    [5401] "G" "T" "G" "A" "A" "G" "C" "T" "G" "C" "T" "A" "A" "C" "T" "T" "T"
    [5419] "G" "T" "G" "C" "A" "C" "T" "T" "A" "T" "C" "T" "T" "A" "G" "C" "C" "T"
##
    [5437] "A" "C" "T" "G" "T" "A" "A" "T" "A" "A" "G" "A" "C" "A" "G" "T" "A" "G"
##
    [5455] "G" "T" "G" "A" "G" "T" "T" "A" "G" "G" "T" "G" " " "A" "T" "G" " T" "T"
    [5473] "A" "G" "A" "G" "A" "A" "A" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "C"
##
    [5491] "T" "T" "G" "T" "T" "T" "C" "A" "A" "C" "A" "T" "G" "C" "C" "A" "A" "T"
##
    [5509] "T" "T" "A" "G" "A" "T" "T" "C" "T" "T" "G" "C" "A" "A" "A" "A" "A" "G" "A"
    [5527] "G" "T" "C" "T" "T" "G" "A" "A" "C" "G" "T" " "G" "G" "T" "G" "T" "G"
    [5545] "T" "A" "A" "A" "A" "C" "T" "T" "G" "T" "G" "G" "A" "C" "A" "A" "C" "A"
##
          "G" "C" "A" "G" "A" "C" "A" "A" "C" "C" "C" "T" "T" "A" "A" "G" "G" "G"
##
    [5563]
    [5581] "T" "G" "T" "A" "G" "A" "A" "G" "C" "T" "G" "T" "T" "A" "T" "G" "T" "A"
##
    [5599] "C" "A" "T" "G" "G" "G" "C" "A" "C" "A" " " "C" "T" "T" "T" "T" "C" "T" "T"
    [5617] "A" "T" "G" "A" "A" "C" "A" "A" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G"
##
          "G" "T" "G" "T" "T" "C" "A" "G" "A" "T" "A" "C" "C" "T" "T" "G" "T" "A"
##
    [5635]
    [5653] "C" "G" "T" "G" "T" "G" "G" "T" "A" "A" "A" "C" "A" "A" "G" "C" "T" "A"
##
    [5671] "C" "A" "A" "A" "A" "T" "A" "T" "C" " " "T" "A" "G" "T" "A" "C" "A" "A"
##
    [5689] "C" "A" "G" "G" "A" "G" "T" "C" "A" "C" "C" "T" "T" "T" "T" "T" "G" "T" "T"
##
```

```
[5725] "G" "C" "T" "C" "A" "G" "T" "A" "T" "G" "A" "A" "A" "C" "T" "T" "A" "A" "G"
##
   [5743] "C" "A" "T" "G" "G" "T" "A" "C" " " "A" "T" "T" "T" "A" "C" "T" "T" "G"
##
   [5761] "T" "G" "C" "T" "A" "G" "T" "G" "A" "G" "T" "A" "C" "A" "C" "T" "G" "G"
##
   [5779] "T" "A" "A" "T" "T" "A" "C" "C" "A" "G" "T" "G" "T" "G" "G" "T" "C" "A"
   [5797] "C" "T" "A" "T" "A" "A" "A" "C" "A" "T" "A" "T" "A" "A" "C" "T" "T" "C"
##
   [5815] "T" "A" "A" "A" "G" "A" "A" " " "A" "C" "T" "T" "T" "G" "T" "A" "T" "T"
   [5833] "G" "C" "A" "T" "A" "G" "A" "C" "G" "G" "T" "G" "C" "T" "T" "T" "A" "C"
##
   [5851] "T" "T" "A" "C" "A" "A" "A" "G" "T" "C" "C" "T" "C" "A" "G" "A" "A" "T"
##
   [5869] "A" "C" "A" "A" "A" "G" "G" "T" "C" "C" "T" "A" "T" "T" "A" "C" "G" "G"
##
   [5887] "A" "T" "G" "T" "T" "T" " " "T" "C" "T" "A" "C" "A" "A" "A" "A" "G" "A" "A" "A"
   ##
   [5923] "A" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "T" "A" "C" "T" "T" "A" "T"
   ##
   [5959] "T" "G" "T" "A" "C" " " "A" "G" "A" "A" "A" "T" "T" "G" "A" "C" "C"
   [5977] "T" "A" "A" "G" "T" "T" "G" "G" "A" "C" "A" "A" "T" "T" "A" "T" "T" "A"
##
##
   [5995] "T" "A" "A" "G" "A" "A" "G" "A" "C" "A" "A" "T" "T" "C" "T" "T" "A"
   ##
   [6031] "T" "G" "A" "T" " "C" "T" "T" "G" "T" "A" "C" "C" "A" "A" "A" "A" "C" "C"
##
   [6049] "A" "A" "C" "C" "A" "T" "A" "T" "C" "C" "A" "A" "A" "C" "G" "C" "A" "A"
##
   ##
   [6085] "T" "T" "G" "T" "A" "T" "G" "T" "G" "A" "T" "A" "A" "T" "A" "T" "A" "T" "C" "A"
   [6103] "A" "A" "T" " "T" "T" "G" "C" "T" "G" "A" "T" "G" "A" "T" "T" "T" "T" "A"
##
   [6121] "A" "A" "C" "C" "A" "G" "T" "T" "A" "A" "C" "T" "G" "G" "T" "T" "A" "T"
##
   [6139] "A" "A" "G" "A" "A" "A" "C" "C" "T" "G" "C" "T" "T" "C" "A" "A" "G" "A"
##
   [6157] "G" "A" "G" "C" "T" "T" "A" "A" "A" "G" "T" "T" "A" "C" "A" "T" "T" "T"
   [6175] "T" "T" " "C" "C" "C" "T" "G" "A" "C" "T" "T" "A" "A" "A" "A" "T" "G" "G"
##
   [6193] "T" "G" "A" "T" "G" "T" "G" "G" "T" "G" "G" "C" "T" "A" "T" "T" "G" "A"
   ##
   [6229] "C" "T" "C" "T" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G" "G" "G" "A" "G" "C"
   [6247] "T" " " "A" "A" "A" "T" "T" "G" "T" "T" "A" "C" "A" "T" "A" "A" "A" "A" "C"
##
   [6265] "C" "T" "A" "T" "T" "G" "T" "T" "T" "G" "G" "C" "A" "T" "G" "T" "T" "A"
##
   [6283] "A" "C" "A" "A" "T" "G" "C" "A" "A" "C" "T" "A" "A" "T" "A" "A" "A" "A" "A" "G"
##
   ##
   [6319] " "C" "C" "T" "G" "G" "T" "G" "T" "A" "T" "A" "C" "G" "T" "T" "G" "T"
##
   ##
   [6355] "G" "T" "T" "G" "A" "A" "A" "C" "A" "T" "C" "A" "A" "A" "A" "T" "T" "C" "G"
##
##
   [6373] "T" "T" "T" "G" "A" "T" "G" "T" "A" "C" "T" "G" "A" "A" "G" "T" "C" " "
   [6391] "A" "G" "A" "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "G" "A" "A" "T"
##
   [6409] "G" "G" "A" "T" "A" "A" "T" "C" "T" "T" "G" "C" "C" "T" "G" "C" "C" "T" "G" "C" "G" "A"
##
   [6427] "A" "G" "A" "T" "C" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "C" "T" "C"
   [6445] "T" "G" "A" "A" "G" "A" "A" "G" "T" "A" "G" "T" "G" "G" "A" "A" "A" " "A"
##
   [6463] "A" "T" "C" "C" "T" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "A" "A" "A" "G"
##
   [6481] "A" "C" "G" "T" "T" "C" "T" "T" "G" "A" "G" "T" "G" "T" "A" "A" "T" "G"
   [6499] "T" "G" "A" "A" "A" "A" "C" "T" "A" "C" "C" "G" "A" "A" "G" "T" "T" "G"
   [6517] "T" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "A" "C" " " "T" "T"
##
   [6535] "A" "A" "A" "C" "C" "A" "G" "C" "A" "A" "A" "T" "A" "A" "T" "A" "T" "A" "G" "T"
##
   [6553] "T" "T" "A" "A" "A" "A" "A" "T" "T" "A" "C" "A" "G" "A" "A" "G" "A" "G"
##
   [6571] "G" "T" "T" "G" "G" "C" "C" "A" "C" "A" "C" "A" "G" "A" "T" "C" "T" "A"
   [6589] "A" "T" "G" "G" "C" "T" "G" "C" "T" "T" "A" "T" "G" "T" " "A" "G" "A"
##
   [6607] "C" "A" "A" "T" "T" "C" "T" "A" "G" "T" "C" "T" "T" "A" "C" "T" "A" "T"
##
   [6625] "T" "A" "A" "G" "A" "A" "A" "C" "C" "T" "A" "A" "T" "G" "A" "A" "T" "T"
##
   [6643] "A" "T" "C" "T" "A" "G" "A" "G" "T" "A" "T" "T" "A" "G" "G" "T" "T" "T"
##
   [6661] "G" "A" "A" "A" "A" "C" "C" "C" "T" "T" "G" "C" "T" " " "A" "C" "T" "C"
##
```

```
[6679] "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "T" "G" "C" "T" "G" "T" "T" "A"
   [6697] "A" "T" "A" "G" "T" "G" "T" "C" "C" "C" "T" "T" "G" "G" "G" "G" "A" "T" "A"
##
   [6715] "C" "T" "A" "T" "A" "G" "C" "T" "A" "A" "T" "T" "A" "T" "G" "C" "T" "A"
   [6751] "G" "T" "T" "G" "T" "T" "A" "G" "T" "A" "C" "A" "A" "C" "T" "A" "C" "T"
   [6769] "A" "A" "C" "A" "T" "A" "G" "T" "T" "A" "C" "A" "C" "G" "G" "T" "G" "T"
##
   [6787] "T" "T" "A" "A" "A" "C" "C" "G" "T" "G" "T" "T" "T" "G" "T" "A" "C" "T"
   [6805] "A" "A" "T" "T" "A" "T" "A" "T" "G" "C" " " " "T" "T" "A" "T" "T" "T"
##
   [6823] "C" "T" "T" "T" "A" "C" "T" "T" "T" "A" "T" "T" "G" "C" "T" "A" "C" "A"
##
   [6841] "A" "T" "T" "G" "T" "G" "T" "A" "C" "T" "T" "T" "T" "A" "C" "T" "A" "G"
##
   [6859] "A" "A" "G" "T" "A" "C" "A" "A" "A" "T" "T" "C" "T" "A" "G" "A" "A" "T"
   [6877] "T" "A" "A" "A" "G" "C" "A" "T" "C" "T" " "A" "T" "G" "C" "C" "G" "A"
##
   [6913] "C" "T" "G" "T" "T" "A" "A" "G" "A" "G" "T" "G" "T" "C" "G" "G" "T" "A"
##
   [6931] "A" "A" "T" "T" "T" "T" "G" "T" "C" "T" "A" "G" "A" "G" "G" "C" "T" "T"
   ##
##
   [6967]
         "T" "C" "A" "C" "C" "T" "A" "A" "T" "T" "T" "T" "T" "C" "T" "A" "A" "A"
   [7003] "T" "G" "G" "T" "T" "T" "T" "A" "C" "T" "A" "T" "T" "A" "A" "G" "T"
   [7021] "G" "T" "T" "T" "G" "C" "C" "T" " "A" "G" "G" "T" "T" "T" "C" "T" "T" "T"
##
   [7039] "A" "A" "T" "C" "T" "A" "C" "T" "C" "A" "A" "C" "C" "G" "C" "G" "C"
##
   [7057] "T" "T" "A" "G" "G" "T" "G" "T" "T" "T" "T" "A" "A" "T" "G" "T" "C"
   [7075] "T" "A" "A" "T" "T" "T" "A" "G" "G" "C" "A" "T" "G" "C" "C" "T" "T" "C"
##
   [7093] "T" "T" "A" "C" "T" "G" "T" " "A" "C" "T" "G" "G" "T" "T" "A" "C" "A"
##
   [7111] "G" "A" "G" "A" "A" "G" "G" "C" "T" "A" "T" "T" "T" "G" "A" "A" "C" "T"
##
   [7129] "C" "T" "A" "C" "T" "A" "A" "T" "G" "T" "C" "A" "C" "T" "A" "T" "T" "G"
   ##
   [7165] "C" "T" "A" "T" "A" "C" " " "C" "T" "T" "G" "T" "A" "G" "T" "G" "T" "T"
   [7183] "T" "G" "T" "C" "T" "T" "A" "G" "T" "G" "G" "T" "T" "T" "A" "G" "A" "T"
##
   [7201] "T" "C" "T" "T" "T" "A" "G" "A" "C" "A" "C" "C" "T" "A" "T" "C" "C" "T"
   [7219] "T" "C" "T" "T" "T" "A" "G" "A" "A" "A" "C" "T" "A" "T" "A" "C" "A" "A"
##
   ##
   [7255] "T" "A" "A" "A" "T" "G" "G" "G" "A" "T" "T" "T" "A" "A" "C" "T" "G" "C"
##
   [7273] "T" "T" "T" "G" "G" "C" "T" "T" "A" "G" "T" "T" "G" "C" "A" "G" "A"
##
   ##
   [7309] "T" "C" "T" "T" "T" "T" "C" "A" "C" "T" "A" "G" "G" "T" "T" "T" "T" "T"
##
   [7327] "T" "C" "T" "A" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "T" "T" "G" "G"
##
##
   [7345] "C" "T" "G" "C" "A" "A" "T" "C" "A" "T" "G" "C" "A" "A" "T" "T" "G" "T"
   [7363] "T" "T" "T" "T" "C" "A" "G" "C" "T" "A" "T" "T" "T" "T" "T" "G" "C" "A" "G"
##
   [7381] "T" "A" "C" " " "A" "T" "T" "T" "T" "A" "T" "A" "G" "T" "A" "A" "A" "T"
##
   [7399] "T" "C" "T" "T" "G" "G" "C" "T" "T" "A" "T" "G" "T" "G" "G" "T" "T" "A"
   [7417] "A" "T" "A" "A" "T" "T" "A" "A" "T" "C" "T" "T" "G" "T" "A" "C" "A" "A"
##
   [7435] "A" "T" "G" "G" "C" "C" "C" "C" "G" "A" "T" "T" "T" "C" "A" "G" "C" "T"
##
   [7453] "A" "T" " "G" "G" "T" "T" "A" "G" "A" "A" "T" "G" "T" "A" "C" "A" "T"
   [7471] "C" "T" "T" "C" "T" "T" "T" "G" "C" "A" "T" "C" "A" "T" "T" "T" "T" "A"
   [7489] "T" "T" "A" "T" "G" "T" "A" "T" "G" "G" "A" "A" "A" "A" "A" "G" "T" "T" "A"
##
         "T" "G" "T" "G" "C" "A" "T" "G" "T" "T" "G" "T" "A" "G" "A" "C" "G" "G"
##
   [7507]
   [7525] "T" " "T" "G" "T" "A" "A" "T" "T" "C" "A" "T" "C" "A" "A" "A" "T" "C" "A"
##
   [7543] "G" "T" "A" "T" "G" "A" "T" "G" "T" "G" "T" "T" "A" "C" "A" "A" "A" "A" "C"
   [7561] "G" "T" "A" "A" "T" "A" "G" "A" "G" "C" "A" "A" "C" "A" "A" "G" "A" "G"
##
   [7579] "T" "C" "G" "A" "A" "T" "G" "T" "A" "C" "A" "A" "C" "T" "A" "T" "T" "G"
##
   [7597] " " "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "A" "G" "A" "A" "G" "G"
##
   [7615] "T" "C" "C" "T" "T" "T" "T" "A" "T" "G" "T" "C" "T" "A" "T" "G" "T"
##
   [7633] "A" "A" "T" "G" "G" "A" "G" "G" "T" "A" "A" "A" "G" "G" "C" "T" "T" "T"
##
```

```
[7651] "T" "G" "C" "A" "A" "A" "C" "T" "A" "C" "A" "C" "A" "A" "A" "T" "T" "G" " "
    [7669] "G" "A" "A" "T" "T" "G" "T" "G" "T" "A" "A" "A" "T" "T" "G" "T" "G" "A"
##
    [7687] "T" "A" "C" "A" "T" "T" "C" "T" "G" "T" "G" "C" "T" "G" "G" "T" "A" "G"
##
    [7705] "T" "A" "C" "A" "T" "T" "T" "A" "T" "T" "A" "G" "T" "G" "A" "T" "G" "A"
##
    [7723] "A" "G" "T" "T" "G" "C" "G" "A" "G" "A" "G" "A" "C" "T" "T" "G" " " "T"
    [7741] "C" "A" "C" "T" "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "A" "A" "G" "A" "C"
##
    [7759] "C" "A" "A" "T" "A" "A" "T" "C" "C" "T" "A" "C" "T" "G" "A" "C" "C"
    [7777] "A" "G" "T" "C" "T" "T" "C" "T" "A" "C" "A" "T" "C" "G" "T" "T" "G"
##
    [7795] "A" "T" "A" "G" "T" "G" "T" "T" "A" "C" "A" "G" "T" "G" "A" " "A" "G"
    [7813] "A" "A" "T" "G" "G" "T" "T" "C" "C" "A" "T" "C" "C" "A" "T" "C" "T" "T"
##
    [7831] "T" "A" "C" "T" "T" "T" "G" "A" "T" "A" "A" "A" "G" "C" "T" "G" "G" "T"
    [7849] "C" "A" "A" "A" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "G" "A"
##
    [7867] "C" "A" "T" "T" "C" "T" "C" "T" "C" "T" "C" "T" "C" "A" " " "T" "T" "T"
    [7885] "T" "G" "T" "T" "A" "A" "C" "T" "T" "A" "G" "A" "C" "A" "A" "C" "C" "T"
##
    [7903] "G" "A" "G" "A" "G" "C" "T" "A" "A" "T" "A" "A" "C" "A" "C" "T" "A" "A"
    [7921] "A" "G" "G" "T" "T" "C" "A" "T" "T" "G" "C" "C" "T" "A" "T" "T" "A" "A"
##
##
    [7939]
          "T" "G" "T" "T" "A" "T" "A" "G" "T" "T" "T" "T" "T" " " " "G" "A" "T" "G"
    [7957] "G" "T" "A" "A" "A" "T" "C" "A" "A" "A" "A" "T" "G" "T" "G" "A" "A" "A" "G"
##
    [7975] "A" "A" "T" "C" "A" "T" "C" "T" "G" "C" "A" "A" "A" "A" "A" "T" "C" "A" "G"
    [7993] "C" "G" "T" "C" "T" "G" "T" "T" "T" "A" "C" "T" "A" "C" "A" "G" "T" "C"
##
    [8011] "A" "G" "C" "T" "T" "A" "T" "G" "T" "G" "T" "C" " " "A" "A" "C" "C" "T"
##
    [8029] "A" "T" "A" "C" "T" "G" "T" "T" "A" "C" "T" "A" "G" "A" "T" "C" "A" "G"
##
    [8047] "G" "C" "A" "T" "T" "A" "G" "T" "G" "T" "C" "T" "G" "A" "T" "G" "T" "T"
##
    [8065] "G" "G" "T" "G" "A" "T" "A" "G" "T" "G" "C" "G" "G" "A" "A" "G" "T" "T"
##
    [8083] "G" "C" "A" "G" "T" "T" "A" "A" "A" "A" "T" " " "G" "T" "T" "T" "G" "A"
##
    [8101] "T" "G" "C" "T" "T" "A" "C" "G" "T" "T" "A" "A" "T" "A" "C" "G" "T" "T"
    [8119] "T" "T" "C" "A" "T" "C" "A" "A" "C" "T" "T" "T" "T" "A" "A" "A" "C" "T"
##
    [8137] "A" "C" "C" "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A"
    [8155] "A" "A" "C" "A" "C" "T" "A" "G" "T" "T" " "G" "C" "A" "A" "C" "T" "G"
##
    [8173] "C" "A" "G" "A" "A" "G" "C" "T" "G" "A" "A" "C" "T" "T" "G" "C" "A" "A"
    [8191] "A" "G" "A" "A" "T" "G" "T" "G" "T" "C" "C" "T" "T" "A" "G" "A" "C" "A"
##
    [8209] "A" "T" "G" "T" "C" "T" "T" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "A"
##
    [8227] "T" "T" "T" "C" "A" "G" "C" "A" "G" " "C" "T" "C" "G" "G" "G" "C" "A" "A"
##
    [8245] "G" "G" "G" "T" "T" "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "G" "A" "T"
##
    [8263] "G" "T" "A" "G" "A" "A" "A" "C" "T" "A" "A" "A" "G" "A" "T" "G" "T" "T"
##
    [8281] "G" "T" "T" "G" "A" "A" "T" "G" "T" "C" "T" "T" "A" "A" "A" "T" "T" "G"
##
    [8299] "T" "C" "A" "C" "A" "T" "C" "A" " " "A" "T" "C" "T" "G" "A" "C" "A" "T"
##
##
    [8317] "A" "G" "A" "A" "G" "T" "T" "A" "C" "T" "G" "G" "C" "G" "A" "A" "T" "A" "G"
    [8335] "T" "T" "G" "T" "A" "A" "T" "A" "A" "C" "T" "A" "T" "A" "T" "G" "C" "T"
##
    [8353] "C" "A" "C" "C" "T" "A" "T" "A" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A"
##
    [8371] "A" "A" "A" "C" "A" "T" "G" " " "A" "C" "A" "C" "C" "C" "C" "C" "G" "T" "G"
    [8389] "A" "C" "C" "T" "T" "G" "G" "T" "G" "C" "T" "G" "T" "G" "T" "A" "T" "T" "G"
##
    [8407] "A" "C" "T" "G" "T" "A" "G" "T" "G" "C" "G" "C" "G" "T" "C" "A" "T" "A"
##
    [8425] "T" "T" "A" "A" "T" "G" "C" "G" "C" "A" "G" "G" "T" "A" "G" "C" "A" "A"
    [8443] "A" "A" "A" "G" "T" "C" " " "A" "C" "A" "A" "C" "A" "T" "T" "G" "C" "T"
    [8461] "T" "T" "G" "A" "T" "A" "T" "G" "G" "A" "A" "C" "G" "T" "T" "A" "A" "A" "A"
##
    [8479] "G" "A" "T" "T" "T" "C" "A" "T" "G" "T" "C" "A" "T" "T" "G" "T" "C" "A" "T" "T" "G" "T"
##
    [8497] "G" "A" "A" "C" "A" "A" "C" "T" "A" "C" "G" "A" "A" "A" "A" "A" "C" "A" "A"
##
    [8515] "A" "T" "A" "C" "G" " " "T" "A" "G" "T" "G" "C" "T" "G" "C" "T" "A" "A"
    [8533] "A" "A" "A" "G" "A" "A" "T" "A" "A" "C" "T" "T" "A" "C" "C" "T" "T" "T"
##
    [8551] "T" "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "G" "T" "G" "C" "A" "A" "C"
##
    [8569] "T" "A" "C" "T" "A" "G" "A" "C" "A" "A" "G" "T" "T" "G" "T" "T" "A" "A"
##
    ##
    [8605] "T" "A" "G" "C" "A" "C" "T" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "A"
##
```

```
##
   [8659] "T" "T" "A" " " "C" "A" "C" "T" "T" "G" "T" "G" "T" "T" "C" "C" "T" "T"
##
   [8677] "T" "T" "T" "G" "T" "T" "G" "C" "T" "G" "C" "T" "A" "T" "T" "T" "T" "C"
##
   [8713] "C" "A" "T" "G" "T" "C" "A" "T" "G" "T" "C" "T" "A" "A" "A" "A" "C" "A" "T"
##
   [8731] "A" "C" " " "T" "G" "A" "C" "T" "T" "T" "T" "C" "A" "A" "G" "T" "G" "A"
   [8749] "A" "A" "T" "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "A" "A" "G" "G" "C"
##
   [8767] "T" "A" "T" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "T" "C" "A" "C"
##
   [8785] "T" "C" "G" "T" "G" "A" "C" "A" "T" "A" "G" "C" "A" "T" "C" "T" "A" "C"
##
   [8803] "A" " "G" "A" "T" "A" "C" "T" "T" "G" "T" "T" "T" "T" "T" "G" "C" "T" "A"
   [8821] "A" "C" "A" "A" "A" "C" "A" "T" "G" "C" "T" "G" "A" "T" "T" "T" "T" "T" "G"
##
   [8839] "A" "C" "A" "C" "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "C" "A" "G" "C"
   [8857] "G" "T" "G" "G" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "T" "A" "C" "T" "A"
##
##
   [8875] " " "A" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "G" "C" "C" "C" "A"
   [8893] "T" "T" "G" "A" "T" "T" "G" "C" "T" "G" "C" "A" "G" "T" "C" "A" "T" "A"
##
##
   [8911] "A" "C" "A" "A" "G" "A" "G" "A" "A" "G" "T" "G" "G" "G" "T" "T" "T" "T"
   [8929] "G" "T" "C" "G" "T" "G" "C" "C" "T" "G" "G" "T" "T" "T" "T" "G" "C" "C" "
##
   [8947] "T" "G" "G" "C" "A" "C" "G" "A" "T" "A" "T" "A" "C" "G" "C" "A" "C"
##
   [8965] "A" "A" "C" "T" "A" "A" "T" "G" "G" "T" "G" "A" "C" "T" "T" "T" "T" "T"
##
   [8983] "G" "C" "A" "T" "T" "T" "C" "T" "T" "A" "C" "C" "T" "A" "G" "A" "G" "T"
##
   [9001] "T" "T" "T" "T" "A" "G" "T" "G" "C" "A" "G" "T" "T" "G" "G" "T" " "A"
   [9019] "A" "C" "A" "T" "C" "T" "G" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "A" "T"
##
   [9037] "C" "A" "A" "A" "A" "C" "T" "T" "A" "T" "A" "G" "A" "G" "T" "A" "C" "A"
##
   [9055] "C" "T" "G" "A" "C" "T" "T" "T" "G" "C" "A" "A" "C" "A" "T" "C" "A" "G"
##
   [9109] "G" "A" "T" "G" "C" "T" "T" "C" "T" "G" "G" "T" "A" "A" "G" "C" "C" "A"
   [9127] "G" "T" "A" "C" "C" "A" "T" "A" "T" "T" "G" "T" "T" "A" "T" "G" "A" "T"
##
   [9145] "A" "T" "C" "A" "A" "T" "G" "T" "A" "C" "T" "A" "G" "A" " " "A" "G" "G"
   [9163] "T" "T" "C" "T" "G" "T" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "G"
##
   [9181] "T" "T" "T" "A" "C" "G" "C" "C" "C" "T" "G" "A" "C" "A" "C" "A" "C" "G"
##
   [9199] "T" "T" "A" "T" "G" "T" "G" "C" "T" "C" "A" "T" "G" "G" "A" "T" "G" "G"
##
   [9217] "C" "T" "C" "T" "A" "T" "A" "T" "T" "C" "A" "A" "A" " " " "T" "T" "C"
##
   [9235] "C" "T" "A" "A" "C" "A" "C" "C" "T" "A" "C" "C" "T" "T" "G" "A" "A" "G"
##
   [9253] "G" "T" "T" "C" "T" "G" "T" "T" "A" "G" "A" "G" "T" "G" "G" "T" "A" "A"
##
   [9271] "C" "A" "A" "C" "T" "T" "T" "T" "G" "A" "T" "T" "C" "T" "G" "A" "G" "T"
##
##
   [9289] "A" "C" "T" "G" "T" "A" "G" "G" "C" "A" "C" "G" " "" " "G" "C" "A" "C" "T"
   [9307] "T" "G" "T" "G" "A" "A" "A" "G" "A" "T" "C" "A" "G" "A" "A" "G" "C" "T"
##
   [9325] "G" "G" "T" "G" "T" "T" "T" "G" "T" "G" "T" "A" "T" "C" "T" "A" "C" "T"
##
   [9343] "A" "G" "T" "G" "G" "T" "A" "G" "A" "T" "G" "G" "G" "T" "A" "C" "T" "T"
   [9361] "A" "A" "C" "A" "A" "T" "G" "A" "T" "A" "T" "A" " "T" "T" "A" "C" "A" "G"
##
   [9379] "A" "T" "C" "T" "T" "T" "A" "C" "C" "A" "G" "G" "A" "G" "T" "T" "T" "T"
   [9397] "C" "T" "G" "T" "G" "T" "G" "T" "A" "G" "A" "T" "G" "C" "T" "G" "T"
##
   [9415] "A" "A" "A" "T" "T" "T" "A" "T" "T" "A" "C" "T" "A" "A" "A" "T" "A" "T"
   [9433] "G" "T" "T" "T" "A" "C" "A" "C" "C" "A" " "C" "T" "A" "A" "T" "T" "C"
##
         "A" "A" "C" "C" "T" "A" "T" "T" "G" "G" "T" "G" "C" "T" "T" "T" "G" "G"
##
   [9451]
   [9469] "A" "C" "A" "T" "A" "T" "C" "A" "G" "C" "A" "T" "C" "T" "A" "T" "A" "G"
##
   [9487] "T" "A" "G" "C" "T" "G" "G" "T" "G" "G" "T" "A" "T" "T" "G" "T" "G" "G"
   [9505] "C" "T" "A" "T" "C" "G" "T" "A" "G" " "T" "A" "A" "C" "A" "T" "G" "C"
##
         "C" "T" "T" "G" "C" "C" "T" "A" "C" "T" "A" "T" "T" "T" "T" "T" "A" "T" "G"
##
   ſ95231
   [9541] "A" "G" "G" "T" "T" "T" "A" "G" "A" "A" "G" "A" "G" "C" "T" "T" "T" "T"
##
   [9559] "G" "G" "T" "G" "A" "A" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T" "A"
##
   [9577] "G" "T" "T" "G" "C" "C" "T" "T" " "T" "A" "A" "T" "A" "C" "T" "T" "T"
##
```

```
[9595] "A" "C" "T" "A" "T" "T" "C" "C" "T" "T" "A" "T" "G" "T" "C" "A" "T" "T"
    [9613] "C" "A" "T" "T" "G" "T" "A" "C" "T" "C" "T" "G" "T" "T" "T" "T" "A" "A" "A" "C"
##
    [9631] "A" "C" "C" "A" "G" "T" "T" "T" "A" "C" "T" "C" "A" "T" "T" "C" "T" "T"
   [9649] "A" "C" "C" "T" "G" "G" "T" " "G" "T" "T" "T" "A" "T" "T" "T" "C" "T" "G"
   [9667] "T" "T" "A" "T" "T" "T" "A" "C" "T" "T" "G" "T" "A" "C" "T" "T" "G" "A"
   [9685] "C" "A" "T" "T" "T" "T" "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A" "A" "A" "T" "G"
##
   [9721] "A" "T" "A" "T" "T" "C" " " "A" "G" "T" "G" "G" "A" "T" "G" "G" "T" "T"
##
   [9739] "A" "T" "G" "T" "T" "C" "A" "C" "A" "C" "C" "T" "T" "T" "A" "G" "T" "A"
   [9757] "C" "C" "T" "T" "T" "C" "T" "G" "G" "A" "T" "A" "A" "C" "A" "A" "T" "T"
##
    [9775] "G" "C" "T" "T" "A" "T" "A" "T" "C" "A" "T" "T" "T" "T" "G" "T" "A" "T" "T"
   [9793] "T" "C" "C" "A" "C" " "A" "A" "A" "G" "C" "A" "T" "T" "T" "C" "T" "A"
   [9811] "T" "T" "G" "G" "T" "T" "C" "T" "T" "T" "A" "G" "T" "A" "A" "A" "T" "A"
   [9829] "C" "C" "T" "A" "A" "A" "G" "A" "G" "A" "C" "G" "T" "G" "T" "A" "G" "T"
##
   [9847] "C" "T" "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "T" "T" "C" "C" "T" "T"
   [9865] "T" "A" "G" "T" " "A" "C" "T" "T" "T" "T" "G" "A" "A" "G" "A" "A" "G"
##
##
   [9883]
         "C" "T" "G" "C" "G" "C" "T" "G" "T" "G" "C" "A" "C" "C" "T" "T" "T"
   [9919] "A" "T" "C" "T" "A" "A" "A" "G" "T" "T" "G" "C" "G" "T" "A" "G" "T" "G"
   [9937] "A" "T" "G" " "T" "G" "C" "T" "A" "T" "A" "C" "C" "T" "T" "T" "T"
   [9955] "A" "C" "G" "C" "A" "A" "T" "A" "T" "A" "T" "A" "G" "A" "T" "A" "C"
##
   [9991] "T" "A" "C" "A" "A" "G" "T" "A" "T" "T" "T" "T" "A" "G" "T" "G" "G" "A"
##
  [10009] "G" "C" " "A" "A" "A" "T" "G" "G" "A" "T" "A" "C" "A" "A" "C" "T" "A" "G"
  [10027] "C" "T" "A" "C" "A" "G" "A" "G" "A" "G" "C" "T" "G" "C" "T" "G"
  [10045] "T" "T" "G" "T" "C" "A" "T" "C" "T" "C" "G" "C" "A" "A" "A" "G" "G" "C"
  [10063] "T" "C" "T" "C" "A" "A" "T" "G" "A" "C" "T" "T" "C" "A" "G" "T" "A" "A"
  [10081] "C" " " "T" "C" "A" "G" "G" "T" "T" "C" "T" "G" "A" "T" "G" "T" "T" "C"
[10117] "T" "C" "T" "C" "T" "A" "T" "C" "A" "C" "C" "T" "C" "A" "G" "C" "T" "G"
## [10135] "T" "T" "T" "T" "G" "C" "A" "G" "A" "G" "T" "G" "G" "T" "T" "T" "T" "A"
  [10153] " " "G" "A" "A" "A" "A" "A" "T" "G" "G" "C" "A" "T" "T" "C" "C" "A"
  [10171] "T" "C" "T" "G" "G" "T" "A" "A" "A" "G" "T" "T" "G" "A" "G" "G" "G" "T"
  [10189] "T" "G" "T" "A" "T" "G" "G" "T" "A" "C" "A" "A" "G" "T" "A" "A" "C" "T"
## [10207] "T" "G" "T" "G" "G" "T" "A" "C" "A" "A" "C" "T" "A" "C" "A" "C" "T" "
## [10225] "T" "A" "A" "C" "G" "G" "T" "C" "T" "T" "T" "G" "G" "C" "T" "T" "G" "A"
## [10243] "T" "G" "A" "C" "G" "T" "A" "G" "T" "T" "A" "C" "T" "G" "T" "C" "C"
## [10261] "A" "A" "G" "A" "C" "A" "T" "G" "T" "G" "A" "T" "C" "T" "G" "C" "A" "C"
## [10279] "C" "T" "C" "T" "G" "A" "A" "G" "A" "T" "A" "T" "G" "C" "T" "T" " " "A"
  [10297] "A" "C" "C" "C" "T" "A" "A" "T" "T" "A" "T" "G" "A" "A" "G" "A" "T" "T"
##
  [10315] "T" "A" "C" "T" "C" "A" "T" "T" "C" "G" "T" "A" "A" "A" "G" "T" "C" "T" "A"
## [10333] "A" "T" "C" "A" "T" "A" "A" "T" "T" "T" "C" "T" "T" "G" "G" "G" "T" "A" "C"
  [10351] "A" "G" "G" "C" "T" "G" "G" "T" "A" "A" "T" "G" "T" "T" "C" " " "A" "A"
## [10369] "C" "T" "C" "A" "G" "G" "G" "T" "T" "A" "T" "T" "G" "G" "A" "C" "A" "T"
## [10387] "T" "C" "T" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "G" "T" "G" "T" "A"
## [10405] "C" "T" "T" "A" "A" "G" "C" "T" "T" "A" "A" "G" "G" "T" "T" "G" "A" "T"
  [10423] "A" "C" "A" "G" "C" "C" "A" "A" "T" "C" "C" "T" "A" "A" " "A" " "G" "A" "C"
  [10441] "A" "C" "C" "T" "A" "A" "G" "T" "A" "A" "T" "A" "A" "G" "T" "T" "T" "G" "T"
  [10459] "T" "C" "G" "C" "A" "T" "T" "C" "A" "A" "C" "C" "A" "G" "G" "A" "C" "A"
## [10477] "G" "A" "C" "T" "T" "T" "T" "T" "C" "A" "G" "T" "G" "T" "T" "A" "G" "C"
         "T" "T" "G" "T" "T" "A" "C" "A" "A" "T" "G" "G" "T" " " "T" "C" "A" "C"
## [10495]
## [10513] "C" "A" "T" "C" "T" "G" "G" "T" "G" "T" "T" "T" "A" "C" "C" "A" "A" "T"
## [10531] "G" "T" "G" "C" "T" "A" "T" "G" "A" "G" "A" "C" "A" "C" "A" "A" "T" "T"
## [10549] "T" "C" "A" "C" "T" "A" "T" "T" "A" "A" "G" "G" "G" "T" "T" "C" "A" "T"
```

```
## [10567] "T" "C" "C" "T" "T" "A" "A" "T" "G" "G" "T" "T" " " "C" "A" "T" "G" "T"
  [10603] "A" "T" "A" "G" "A" "T" "T" "A" "T" "G" "A" "C" "T" "G" "T" "G" "T" "C"
  [10621] "T" "C" "T" "T" "T" "T" "T" "G" "T" "T" "A" "C" "A" "T" "G" "C" "A" "C"
## [10639] "C" "A" "T" "A" "T" "G" "G" "A" "A" "T" "T" " " "A" "C" "C" "A" "A" "C"
## [10657] "T" "G" "G" "A" "G" "T" "T" "C" "A" "T" "G" "C" "T" "G" "G" "C" "A" "C"
## [10675] "A" "G" "A" "C" "T" "T" "A" "G" "A" "A" "G" "G" "T" "A" "A" "C" "T" "T"
## [10693] "T" "T" "A" "T" "G" "G" "A" "C" "C" "T" "T" "T" "T" "G" "T" "T" "G" "A"
  [10711] "C" "A" "G" "G" "C" "A" "A" "A" "C" "A" " "G" "C" "A" "C" "A" "G"
  [10729] "C" "A" "G" "C" "T" "G" "G" "T" "A" "C" "G" "G" "A" "C" "A" "C" "A" "C" "A" "A"
  [10747] "C" "T" "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "A" "T" "G" "T" "T" "T"
## [10765] "T" "A" "G" "C" "T" "T" "G" "G" "T" "T" "G" "T" "A" "C" "G" "C" "T" "G"
  [10783] "C" "T" "G" "T" "T" "A" "T" "A" "A" " " "A" "T" "G" "G" "A" "G" "A" "C"
## [10801] "A" "G" "G" "T" "G" "G" "T" "T" "T" "C" "T" "C" "A" "A" "T" "C" "G" "A"
## [10819] "T" "T" "T" "A" "C" "C" "A" "C" "A" "A" "C" "T" "C" "T" "T" "A" "A" "T"
## [10837] "G" "A" "C" "T" "T" "A" "A" "C" "C" "T" "T" "G" "T" "G" "G" "C" "T"
  [10855] "A" "T" "G" "A" "A" "G" "T" "A" " "C" "A" "A" "T" "T" "A" "T" "G" "A"
  [10873] "A" "C" "C" "T" "C" "T" "A" "A" "C" "A" "C" "A" "A" "G" "A" "C" "C" "A"
  [10891] "T" "G" "T" "T" "G" "A" "C" "A" "T" "A" "C" "T" "A" "G" "G" "A" "C" "C"
## [10909] "T" "C" "T" "T" "T" "C" "T" "G" "C" "T" "C" "A" "A" "A" "C" "T" "G" "G"
## [10927] "A" "A" "T" "T" "G" "C" "C" " " "G" "T" "T" "T" "T" "A" "G" "A" "T" "A"
## [10945] "T" "G" "T" "G" "T" "G" "C" "T" "T" "C" "A" "T" "T" "A" "A" "A" "A" "A" "G"
## [10963] "A" "A" "T" "T" "A" "C" "T" "G" "C" "A" "A" "A" "A" "T" "G" "G" "T" "A"
## [10981] "T" "G" "A" "A" "T" "G" "G" "A" "C" "G" "T" "A" "C" "C" "A" "T" "A" "T"
## [10999] "T" "G" "G" "G" "T" "A" " " "G" "T" "G" "T" "T" "T" "T" "A" "T" "T" "A"
  [11017] "G" "A" "A" "G" "A" "T" "G" "A" "A" "T" "T" "T" "A" "C" "A" "C" "C" "T"
## [11035] "T" "T" "G" "A" "T" "G" "T" "T" "G" "T" "T" "A" "G" "A" "C" "A" "A"
  [11053] "T" "G" "C" "T" "C" "A" "G" "G" "T" "G" "T" "T" "A" "C" "T" "T" "T" "C"
## [11071] "C" "A" "A" "A" "G" " "T" "G" "C" "A" "G" "T" "G" "A" "A" "A" "A" "A" "G"
## [11089] "A" "A" "C" "A" "A" "T" "C" "A" "A" "G" "G" "G" "T" "A" "C" "A" "C" "A"
## [11107] "C" "C" "A" "C" "T" "G" "G" "T" "T" "G" "T" "T" "A" "C" "T" "C" "A" "C"
  [11125] "A" "A" "T" "T" "T" "T" "G" "A" "C" "T" "T" "C" "A" "C" "T" "T" "T" "T"
  [11143] "A" "G" "T" "T" " " "T" "T" "A" "G" "T" "C" "C" "A" "G" "A" "G" "T" "A"
## [11161] "C" "T" "C" "A" "A" "T" "G" "G" "T" "C" "T" "T" "T" "G" "T" "T" "C" "T"
## [11179] "T" "T" "T" "T" "T" "T" "G" "T" "A" "T" "G" "A" "A" "A" "A" "A" "T" "G"
## [11197] "C" "C" "T" "T" "T" "T" "T" "A" "C" "C" "T" "T" "T" "T" "G" "C" "T" "A"
## [11215] "T" "G" "G" " " "G" "T" "A" "T" "T" "A" "T" "T" "G" "C" "T" "A" "T" "G"
## [11233] "T" "C" "T" "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "T" "G" "A" "T" "G"
## [11251] "T" "T" "T" "G" "T" "C" "A" "A" "C" "A" "T" "A" "A" "G" "C" "A" "T"
## [11287] "T" "T" " "G" "T" "T" "A" "C" "C" "T" "T" "C" "T" "C" "T" "T" "G" "C"
## [11323] "T" "A" "T" "G" "G" "T" "C" "T" "A" "T" "A" "T" "G" "C" "C" "T" "G" "C"
## [11341] "T" "A" "G" "T" "T" "G" "G" "G" "T" "G" "A" "T" "G" "C" "G" "T" "A" "T"
## [11359] "T" " "A" "T" "G" "A" "C" "A" "T" "G" "G" "T" "T" "G" "G" "A" "T" "A"
## [11377] "T" "G" "G" "T" "T" "G" "A" "T" "A" "C" "T" "A" "G" "T" "T" "T" "T" "G" "A"
  [11395] "A" "G" "C" "T" "A" "A" "A" "A" "G" "A" "C" "T" "G" "T" "G" "T" "T" "A"
  [11413] "T" "G" "T" "A" "T" "G" "C" "A" "T" "C" "A" "G" "C" "T" "G" "T" "A" "G"
  [11431] " " "T" "G" "T" "T" "A" "C" "T" "A" "A" "T" "C" "C" "T" "T" "T" "A" "T" "G"
## [11449] "A" "C" "A" "G" "C" "A" "A" "G" "A" "A" "C" "T" "G" "T" "G" "T" "A" "T"
## [11467] "G" "A" "T" "G" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G" "G" "A" "G" "A"
## [11485] "G" "T" "G" "T" "G" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "A" "A" " "
## [11503] "T" "G" "T" "C" "T" "T" "G" "A" "C" "A" "C" "T" "C" "G" "T" "T" "T" "A"
## [11521] "T" "A" "A" "A" "G" "T" "T" "T" "A" "T" "A" "T" "G" "G" "T" "A" "A" "A"
```

```
## [11539] "T" "G" "C" "T" "T" "T" "A" "G" "A" "T" "C" "A" "A" "G" "C" "C" "A" "T"
  [11557] "T" "T" "C" "C" "A" "T" "G" "T" "G" "G" "G" "G" "C" "T" "C" "T" "T" "T" " " "A"
  [11575] "T" "A" "A" "T" "C" "T" "C" "T" "G" "T" "T" "A" "C" "T" "T" "C" "T" "A"
## [11593] "A" "C" "T" "A" "C" "T" "C" "A" "G" "G" "T" "G" "T" "A" "G" "T" "T" "A"
## [11629] "C" "C" "A" "G" "A" "G" "G" "T" "A" "T" "T" "G" "T" "T" "T" "T" "T" "T"
## [11647] "A" "T" "G" "T" "G" "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "G" "C"
## [11665] "C" "C" "T" "A" "T" "T" "T" "C" "T" "C" "T" "C" "A" "T" "A" "A" "C" "T"
  [11683] "G" "G" "T" "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "A" "G" "T"
  [11701] "A" "T" "A" "A" "T" "G" "C" "T" "A" "G" "T" "T" "T" "A" " " " "T" "T" "G"
  [11719] "T" "T" "T" "C" "T" "T" "A" "G" "G" "C" "T" "A" "T" "T" "T" "T" "T" "T" "G"
## [11737] "T" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T" "T" "T" "G" "G" "C" "C" "T"
  [11755] "C" "T" "T" "T" "T" "G" "T" "T" "A" "C" "T" "C" "A" "A" "C" "C" "G"
## [11773] "C" "T" "A" "C" "T" "T" "T" "A" "G" "A" "C" "T" "G" " " "A" "C" "T" "C"
## [11809] "T" "A" "G" "T" "T" "T" "C" "T" "A" "C" "A" "C" "A" "G" "G" "A" "G" "T"
  [11827] "T" "T" "A" "G" "A" "T" "A" "T" "A" "T" "G" "A" "A" "T" "G" "A" "C"
  [11845] "A" "G" "G" "G" "A" "C" "T" "A" "C" "T" "C" "C" " " "C" "A" "C" "C" "C"
  [11863] "A" "A" "G" "A" "A" "T" "A" "G" "C" "A" "T" "A" "G" "A" "T" "G" "C" "C"
## [11917] "A" "A" "A" "C" "C" "T" "T" "G" "T" "A" "T" " " "C" "A" "A" "A" "A" "G" "T"
## [11935] "A" "G" "C" "C" "A" "C" "T" "G" "T" "A" "C" "A" "G" "T" "C" "T" "A" "A"
## [11953] "A" "A" "T" "G" "T" "C" "A" "G" "A" "T" "G" "T" "A" "A" "A" "G" "T" "G"
## [11971] "C" "A" "C" "A" "T" "C" "A" "G" "T" "A" "G" "T" "C" "T" "T" "A" "C" "T"
  [11989] "C" "T" "C" "A" "G" "T" "T" "T" "T" "G" " " " "C" "A" "A" "C" "A" "A" "C"
## [12007] "T" "C" "A" "G" "A" "G" "T" "A" "G" "A" "A" "T" "C" "A" "T" "C" "A" "T"
## [12025] "C" "T" "A" "A" "A" "T" "T" "G" "T" "G" "G" "G" "C" "T" "C" "A" "A" "T"
## [12043] "G" "T" "G" "T" "C" "C" "A" "G" "T" "T" "A" "C" "A" "C" "A" "A" "T" "G"
## [12061] "A" "C" "A" "T" "T" "C" "T" "C" "T" " "T" "A" "G" "C" "T" "A" "A" "A"
## [12079] "G" "A" "T" "A" "C" "T" "A" "C" "T" "G" "A" "A" "G" "C" "C" "T" "T" "T"
  [12097] "G" "A" "A" "A" "A" "A" "A" "A" "T" "G" "G" "T" "T" "T" "C" "A" "C" "T" "A"
## [12115] "C" "T" "T" "T" "C" "T" "G" "T" "T" "T" "T" "G" "C" "T" "T" "T" "C" "C"
## [12133] "A" "T" "G" "C" "A" "G" "G" "G" " " " "T" "G" "C" "T" "G" "T" "A" "G" "A"
## [12151] "C" "A" "T" "A" "A" "A" "C" "A" "A" "G" "C" "T" "T" "T" "G" "T" "G" "A"
## [12169] "A" "G" "A" "A" "A" "T" "G" "C" "T" "G" "G" "A" "C" "A" "A" "C" "A" "G"
## [12187] "G" "G" "C" "A" "A" "C" "C" "T" "T" "A" "C" "A" "A" "G" "C" "T" "A" "T"
## [12205] "A" "G" "C" "C" "T" "C" "A" " " "G" "A" "G" "T" "T" "T" "A" "G" "T" "T"
## [12223] "C" "C" "C" "T" "T" "C" "C" "A" "T" "C" "A" "T" "A" "T" "G" "C" "A" "G"
## [12241] "C" "T" "T" "T" "T" "G" "C" "T" "A" "C" "T" "G" "C" "T" "C" "A" "A" "G"
## [12259] "A" "A" "G" "C" "T" "T" "A" "T" "G" "A" "G" "C" "A" "G" "G" "C" "T" "G"
## [12277] "T" "T" "G" "C" "T" "A" " " "A" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T"
## [12295] "G" "A" "A" "G" "T" "T" "G" "T" "T" "C" "T" "T" "A" "A" "A" "A" "A" "A" "G"
## [12313] "T" "T" "G" "A" "A" "G" "A" "A" "G" "T" "C" "T" "T" "T" "G" "A" "A" "T"
## [12331] "G" "T" "G" "G" "C" "T" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T" "T"
## [12349] "G" "A" "C" "C" "G" " " "T" "G" "A" "T" "G" "C" "A" "G" "C" "C" "A" "T"
  [12367] "G" "C" "A" "A" "C" "G" "T" "A" "A" "G" "T" "T" "G" "G" "A" "A" "A" "A" "A"
## [12385] "G" "A" "T" "G" "G" "C" "T" "G" "A" "T" "C" "A" "A" "G" "C" "T" "A" "T"
## [12403] "G" "A" "C" "C" "C" "A" "A" "A" "T" "G" "T" "A" "T" "A" "A" "A" "A" "A" "C" "A"
## [12421] "G" "G" "C" "T" " "A" "G" "A" "T" "C" "T" "G" "A" "G" "G" "A" "C" "A"
         "A" "G" "A" "G" "G" "G" "C" "A" "A" "A" "A" "G" "T" "T" "A" "C" "T" "A"
## [12439]
## [12457] "G" "T" "G" "C" "T" "A" "T" "G" "C" "A" "G" "A" "C" "A" "A" "T" "G" "C"
## [12475] "T" "T" "T" "T" "C" "A" "C" "T" "A" "T" "G" "C" "T" "T" "A" "G" "A" "A"
## [12493] "A" "G" "T" " "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "G" "C" "A"
```

```
## [12511] "C" "T" "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C"
  [12529] "A" "A" "T" "G" "C" "A" "A" "G" "A" "G" "A" "T" "G" "G" "T" "T" "G" "T"
## [12547] "G" "T" "T" "C" "C" "C" "T" "T" "G" "A" "A" "C" "A" "T" "A" "A" "T" "A"
## [12565] "C" "C" " " "T" "C" "T" "T" "A" "C" "A" "A" "C" "A" "G" "C" "A" "G" "C"
## [12583] "C" "A" "A" "A" "C" "T" "A" "A" "T" "G" "G" "T" "T" "G" "T" "C" "A" "T"
## [12601] "A" "C" "C" "A" "G" "A" "C" "T" "A" "T" "A" "A" "C" "A" "C" "A" "T" "A"
## [12619] "T" "A" "A" "A" "A" "A" "T" "A" "C" "G" "T" "G" "T" "G" "A" "T" "G" "G"
## [12637] "T" " "A" "C" "A" "A" "C" "A" "T" "T" "A" "C" "A" "T" "G"
## [12655] "C" "A" "T" "C" "A" "G" "C" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "A" "A"
## [12673] "T" "C" "C" "A" "A" "C" "A" "G" "G" "T" "T" "G" "T" "A" "G" "A" "T" "G"
  [12691] "C" "A" "G" "A" "T" "A" "G" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "C"
## [12709] " " "A" "A" "C" "T" "T" "A" "G" "T" "G" "A" "A" "A" "T" "T" "A" "G" "T"
## [12727] "A" "T" "G" "G" "A" "C" "A" "A" "T" "T" "C" "A" "C" "C" "T" "A" "A" "T"
## [12745] "T" "T" "A" "G" "C" "A" "T" "G" "G" "C" "C" "T" "C" "T" "T" "A" "T" "T"
## [12763] "G" "T" "A" "A" "C" "A" "G" "C" "T" "T" "T" "A" "A" "G" "G" "G" "C" " "
## [12781] "C" "A" "A" "T" "T" "C" "T" "G" "C" "T" "G" "T" "C" "A" "A" "A" "A" "T" "T"
  [12799] "A" "C" "A" "G" "A" "A" "T" "A" "A" "T" "G" "A" "G" "A" "G" "T" "T" "A" "G"
## [12817] "T" "C" "C" "T" "G" "T" "T" "G" "C" "A" "C" "T" "A" "C" "G" "A" "C" "A"
## [12835] "G" "A" "T" "G" "T" "C" "T" "T" "G" "T" "G" "C" "T" "G" "C" "C" " " "G"
## [12853] "G" "T" "A" "C" "T" "A" "C" "A" "C" "A" "A" "A" "C" "T" "G" "C" "T" "T"
## [12871] "G" "C" "A" "C" "T" "G" "A" "T" "G" "A" "A" "T" "G" "A" "A" "T" "G" "C" "G" "T"
## [12907] "C" "A" "A" "A" "G" "G" "G" "A" "G" "G" "T" "A" "G" "G" "T" " " "T" "T"
## [12925] "G" "T" "A" "C" "T" "T" "G" "C" "A" "C" "T" "G" "T" "T" "A" "T" "C" "C"
## [12943] "G" "A" "T" "T" "T" "A" "C" "A" "G" "G" "A" "T" "T" "T" "G" "A" "A" "A"
## [12961] "T" "G" "G" "G" "C" "T" "A" "G" "A" "T" "T" "C" "C" "C" "T" "A" "A" "G"
## [12979] "A" "G" "T" "G" "A" "T" "G" "G" "A" "A" "C" "T" "G" "G" " " "T" "A" "C"
## [12997] "T" "A" "T" "T" "A" "T" "A" "C" "A" "G" "A" "A" "C" "T" "G" "G" "A"
## [13015] "A" "C" "C" "A" "C" "C" "T" "T" "G" "T" "A" "G" "G" "T" "T" "T" "T" "G" "T"
## [13033] "T" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "C" "T" "A" "A" "A" "A" "G" "G"
## [13051] "T" "C" "C" "T" "A" "A" "A" "G" "T" "G" "A" "A" "G" " " "T" "A" "T" "T"
  [13069] "T" "A" "T" "A" "C" "T" "T" "T" "A" "T" "A" "A" "A" "A" "G" "G" "A" "T"
  [13087] "T" "A" "A" "A" "C" "A" "A" "C" "C" "T" "A" "A" "A" "A" "T" "A" "G" "A" "G"
## [13105] "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "T" "G" "G" "T" "A" "G" "T" "T"
## [13123] "T" "A" "G" "C" "T" "G" "C" "C" "A" "C" "A" "G" " " "T" "A" "C" "G" "T"
## [13141] "C" "T" "A" "C" "A" "A" "G" "C" "T" "G" "G" "T" "A" "A" "T" "G" "C" "A"
## [13159] "A" "C" "A" "G" "A" "A" "G" "T" "G" "C" "C" "T" "G" "C" "C" "A" "A" "T"
## [13177] "T" "C" "A" "A" "C" "T" "G" "T" "A" "T" "A" "T" "C" "T" "C" "T" "T" "C"
## [13195] "T" "G" "T" "G" "C" "T" "T" "T" "T" "G" "C" " " "T" "G" "T" "A" "G" "A"
  [13213] "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "G" "C" "T" "T" "A" "C" "A" "A"
##
## [13231] "A" "G" "A" "T" "T" "A" "T" "C" "T" "A" "G" "C" "T" "A" "G" "T" "G" "G"
## [13249] "G" "G" "G" "A" "C" "A" "A" "C" "C" "A" "A" "T" "C" "A" "C" "T" "A" "A"
## [13267] "T" "T" "G" "T" "G" "T" "T" "A" "A" "G" " " "A" "T" "G" "T" "T" "G" "T"
## [13285] "G" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "T" "A" "C" "T" "G"
## [13303] "G" "T" "C" "A" "G" "G" "C" "A" "A" "T" "A" "A" "C" "A" "G" "T" "T" "A"
## [13321] "C" "A" "C" "C" "G" "G" "A" "A" "G" "C" "C" "A" "A" "T" "A" "T" "G" "G"
   [13339] "A" "T" "C" "A" "A" "G" "A" "A" "T" " "C" "C" "T" "T" "T" "G" "G" "T"
  [13357] "G" "G" "T" "G" "C" "A" "T" "C" "G" "T" "G" "T" "G" "T" "G" "T" "G"
  [13375] "T" "A" "C" "T" "G" "C" "C" "G" "T" "T" "G" "C" "C" "A" "C" "A" "T" "A"
## [13393] "G" "A" "T" "C" "A" "T" "C" "C" "A" "A" "A" "T" "C" "C" "T" "A" "A" "A"
## [13411] "G" "G" "A" "T" "T" "T" "G" " " "T" "G" "A" "C" "T" "T" "A" "A" "A"
## [13429] "A" "G" "G" "T" "A" "A" "G" "T" "A" "T" "G" "T" "A" "C" "A" "A" "A" "T"
## [13447] "A" "C" "C" "T" "A" "C" "A" "A" "C" "T" "T" "G" "T" "G" "C" "T" "A" "A"
```

```
## [13483] "A" "C" "T" "T" "A" "A" "A" " " "A" "A" "C" "A" "C" "A" "G" "T" "C" "T"
  [13501] "G" "T" "A" "C" "C" "G" "T" "C" "T" "G" "C" "G" "G" "T" "A" "T" "G" "T"
  [13519] "G" "G" "A" "A" "A" "G" "G" "T" "T" "A" "T" "G" "G" "C" "T" "G" "T" "A"
## [13537] "G" "T" "T" "G" "T" "G" "A" "T" "C" "A" "A" "C" "T" "C" "C" "G"
## [13555] "A" "A" "C" "C" "C" "A" " "T" "G" "C" "T" "T" "C" "A" "G" "T" "C" "A"
## [13573] "G" "C" "T" "G" "A" "T" "G" "C" "A" "C" "A" "A" "T" "C" "G" "T" "T" "T"
## [13591] "T" "T" "A" "A" "A" "C" "G" "G" "G" "T" "T" "T" "G" "C" "G" "G" "T" "G"
## [13609] "T" "A" "A" "G" "T" "G" "C" "A" "G" "C" "C" "C" "G" "T" "C" "T" "T" "A"
  [13627] "C" "A" "C" "C" "G" " " "T" "G" "C" "G" "G" "C" "A" "C" "A" "G" "G" "C"
  [13645] "A" "C" "T" "A" "G" "T" "A" "C" "T" "G" "A" "T" "G" "T" "C" "G" "T" "A"
  [13663] "T" "A" "C" "A" "G" "G" "G" "C" "T" "T" "T" "T" "T" "G" "A" "C" "A" "T" "C"
## [13681] "T" "A" "C" "A" "A" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "G" "C" "T"
## [13699] "G" "G" "T" "T" " " "T" "T" "G" "C" "T" "A" "A" "A" "T" "T" "C" "C" "T"
## [13717] "A" "A" "A" "A" "A" "C" "T" "A" "A" "T" "T" "G" "T" "T" "G" "T" "C" "G"
## [13735] "C" "T" "T" "C" "C" "A" "A" "G" "A" "A" "A" "A" "G" "G" "A" "C" "G" "A"
## [13753] "A" "G" "A" "T" "G" "A" "C" "A" "A" "T" "T" "T" "A" "A" "T" "T" "G" "A"
  [13771] "T" "T" "C" " " "T" "T" "A" "C" "T" "T" "T" "G" "T" "A" "G" "T" "A"
## [13789] "A" "G" "A" "G" "A" "C" "A" "C" "T" "T" "T" "T" "C" "T" "C" "T" "A"
## [13843] "A" "G" " " "G" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "T" "G" "T" "T"
## [13861] "G" "C" "T" "A" "A" "A" "C" "A" "T" "G" "A" "C" "T" "T" "C" "T" "T" "T"
## [13879] "A" "A" "G" "T" "T" "T" "A" "G" "A" "A" "T" "A" "G" "A" "C" "G" "G" "T"
## [13897] "G" "A" "C" "A" "T" "G" "G" "T" "A" "C" "C" "A" "C" "A" "T" "A" "T" "A"
## [13915] "T" " " "C" "A" "C" "G" "T" "C" "A" "A" "C" "G" "T" "C" "T" "T" "A" "C"
## [13933] "T" "A" "A" "A" "T" "A" "C" "A" "C" "A" "A" "T" "G" "G" "C" "A" "G" "A"
## [13951] "C" "C" "T" "C" "G" "T" "C" "T" "A" "T" "G" "C" "T" "T" "T" "A" "A" "G"
## [13969] "G" "C" "A" "T" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "G" "T" "A" "A"
## [13987] " " "T" "T" "G" "T" "G" "A" "C" "A" "C" "A" "T" "T" "A" "A" "A" "A" "G"
## [14005] "A" "A" "A" "T" "A" "C" "T" "T" "G" "T" "C" "A" "C" "A" "T" "A" "C" "A"
## [14023] "A" "T" "T" "G" "T" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T" "T"
## [14041] "A" "T" "T" "T" "C" "A" "A" "A" "A" "A" "A" "A" "G" "G" "A" "C" " "
## [14059] "T" "G" "G" "T" "A" "T" "G" "A" "T" "T" "T" "T" "G" "T" "A" "G" "A" "A"
## [14077] "A" "A" "C" "C" "C" "A" "G" "A" "T" "A" "T" "A" "T" "A" "C" "G" "C"
## [14095] "G" "T" "A" "T" "A" "C" "G" "C" "C" "A" "A" "C" "T" "T" "A" "G" "G" "T"
## [14113] "G" "A" "A" "C" "G" "T" "G" "T" "A" "C" "G" "C" "C" "A" "A" "G" " " "C"
## [14131] "T" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "A" "G" "T" "A" "C" "A"
## [14167] "A" "A" "A" "T" "G" "C" "T" "G" "G" "T" "A" "T" "T" "G" "T" "T" "G" "G"
## [14185] "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "T" "A" "G" "A" " " "T" "A"
## [14203] "A" "T" "C" "A" "A" "G" "A" "T" "C" "T" "C" "A" "A" "T" "G" "G" "T" "A"
## [14221] "A" "C" "T" "G" "G" "T" "A" "T" "G" "A" "T" "T" "T" "C" "G" "G" "T" "G"
## [14239] "A" "T" "T" "T" "C" "A" "T" "A" "C" "A" "A" "A" "C" "C" "A" "C" "G" "C"
## [14257] "C" "A" "G" "G" "T" "A" "G" "T" "G" "G" "A" "G" "T" "T" " " "C" "C" "T"
## [14275] "G" "T" "T" "G" "T" "A" "G" "A" "T" "T" "C" "T" "T" "A" "T" "T" "A" "T"
## [14293] "T" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "G" "C" "C" "T" "A" "T" "A"
  [14311] "T" "T" "A" "A" "C" "C" "T" "T" "G" "A" "C" "C" "A" "G" "G" "G" "C" "T"
## [14329] "T" "T" "A" "A" "C" "T" "G" "C" "A" "G" "A" "G" "T" " " "C" "A" "C" "A"
## [14347] "T" "G" "T" "T" "G" "A" "C" "A" "C" "T" "G" "A" "C" "T" "T" "A" "A" "C"
## [14365] "A" "A" "A" "G" "C" "C" "T" "T" "A" "C" "A" "T" "T" "A" "A" "G" "T" "G"
## [14383] "G" "G" "A" "T" "T" "T" "G" "T" "A" "A" "A" "A" "A" "T" "A" "T" "G" "A"
## [14419] "T" "A" "A" "A" "A" "C" "T" "C" "T" "T" "T" "G" "A" "C" "C" "C" "G" "T" "T"
```

```
[14473] "G" "T" "G" "T" "T" "A" "A" "C" "T" "G" "T" " "T" "T" "T" "G" "G" "A" "T"
## [14491] "G" "A" "C" "A" "G" "A" "T" "G" "C" "A" "T" "T" "C" "T" "G" "C" "A" "T"
## [14509] "T" "G" "T" "G" "C" "A" "A" "A" "C" "T" "T" "T" "A" "A" "A" "T" "G" "T" "T"
## [14527] "T" "T" "A" "T" "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "T" "T" "C"
## [14545] "C" "C" "A" "C" "T" "T" "A" "C" "A" "A" " " "G" "T" "T" "T" "T" "G" "G"
## [14563] "A" "C" "C" "A" "C" "T" "A" "G" "T" "G" "A" "G" "A" "A" "A" "A" "A" "A" "T"
## [14581] "A" "T" "T" "G" "T" "T" "G" "A" "T" "G" "G" "T" "T" "G" "C" "C"
## [14599] "A" "T" "T" "T" "G" "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "G" "G"
## [14617] "A" "T" "A" "C" "C" "A" "C" "T" "T" " " "C" "A" "G" "A" "G" "A" "G" "C"
  [14635] "T" "A" "G" "G" "T" "G" "T" "T" "G" "T" "A" "C" "A" "T" "A" "A" "T" "A" "T" "C"
## [14653] "A" "G" "G" "A" "T" "G" "T" "A" "A" "A" "C" "T" "T" "A" "C" "A" "T" "A"
## [14671] "G" "C" "T" "C" "T" "A" "G" "A" "C" "T" "A" "G" "T" "T" "T" "T" "A"
## [14689] "A" "G" "G" "A" "A" "T" "T" "A" " " "C" "T" "T" "G" "T" "G" "T" "A" "T"
## [14707] "G" "C" "T" "G" "C" "T" "G" "C" "C" "C" "C" "T" "G" "C" "T" "A" "T" "G"
## [14725] "C" "A" "C" "G" "C" "T" "G" "C" "T" "T" "C" "T" "G" "G" "T" "A" "A" "T"
## [14743] "C" "T" "A" "T" "T" "A" "C" "T" "A" "G" "A" "T" "A" "A" "A" "C" "G" "C"
## [14761] "A" "C" "T" "A" "C" "G" "T" " "G" "C" "T" "T" "T" "T" "T" "C" "A" "G" "T"
## [14779] "A" "G" "C" "T" "G" "C" "A" "C" "T" "T" "A" "C" "T" "A" "A" "C" "A" "A"
## [14797] "T" "G" "T" "T" "G" "C" "T" "T" "T" "T" "C" "A" "A" "A" "C" "T" "G" "T"
## [14815] "C" "A" "A" "A" "C" "C" "C" "G" "G" "T" "A" "A" "T" "T" "T" "T" "A" "A"
## [14833] "C" "A" "A" "A" "G" "A" " "C" "T" "T" "C" "T" "A" "T" "G" "A" "C" "T"
## [14851] "T" "T" "G" "C" "T" "G" "T" "G" "T" "C" "T" "A" "A" "G" "G" "G" "T" "T"
## [14905] "T" "C" "T" "T" "C" " " "T" "T" "T" "G" "C" "T" "C" "A" "G" "G" "A" "T"
## [14923] "G" "G" "T" "A" "A" "T" "G" "C" "T" "G" "C" "T" "A" "T" "C" "A" "G" "C"
## [14941] "G" "A" "T" "T" "A" "T" "G" "A" "C" "T" "A" "C" "T" "A" "T" "C" "G" "T"
## [14959] "T" "A" "T" "A" "A" "T" "C" "T" "A" "C" "C" "A" "A" "C" "A" "A" "T" "G"
## [14977] "T" "G" "T" "G" " "A" "T" "A" "T" "C" "A" "G" "A" "C" "A" "A" "C" "T"
## [14995] "A" "C" "T" "A" "T" "T" "T" "G" "T" "A" "G" "T" "T" "G" "A" "A" "G" "T"
  [15013] "T" "G" "T" "T" "G" "A" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "A"
  [15031] "T" "T" "G" "T" "T" "A" "C" "G" "A" "T" "G" "G" "T" "G" "G" "C" "T" "G"
## [15049] "T" "A" "T" " " "T" "A" "A" "T" "G" "C" "T" "A" "A" "C" "C" "A" "A" "G"
## [15067] "T" "C" "A" "T" "C" "G" "T" "C" "A" "A" "C" "A" "A" "C" "C" "T" "A" "G"
## [15085] "A" "C" "A" "A" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "T" "T" "T" "T" "C"
## [15103] "C" "A" "T" "T" "T" "A" "A" "A" "A" "A" "T" "G" "G" "G" "G" "T" "A"
## [15121] "A" "G" " " "G" "C" "T" "A" "G" "A" "C" "T" "T" "T" "A" "T" "A" "T"
## [15139] "G" "A" "T" "T" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "T" "G" "A" "G"
  [15157] "G" "A" "T" "C" "A" "A" "G" "A" "T" "G" "C" "A" "C" "T" "T" "T" "T" "C"
##
  [15175] "G" "C" "A" "T" "A" "T" "A" "C" "A" "A" "A" "A" "C" "G" "T" "A" "A" "T"
## [15211] "T" "C" "A" "A" "A" "T" "G" "A" "A" "T" "C" "T" "T" "A" "A" "G" "T" "A"
## [15247] "T" "A" "G" "A" "G" "C" "T" "C" "G" "C" "A" "C" "C" "G" "T" "A" "G" "C"
## [15265] " " "T" "G" "G" "T" "G" "T" "C" "T" "A" "T" "C" "T" "G" "T" "A"
  [15283] "G" "T" "A" "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "T" "A" "G" "A" "C"
  [15301] "A" "G" "T" "T" "T" "C" "A" "T" "C" "A" "A" "A" "A" "A" "A" "T" "T" "A" "T"
  [15319] "T" "G" "A" "A" "A" "T" "C" "A" "A" "T" "A" "G" "C" "C" "C" "G" "C" "C" "
## [15337] "A" "C" "T" "A" "G" "A" "G" "G" "A" "G" "C" "T" "A" "C" "T" "G" "T" "A"
  [15355] "G" "T" "A" "A" "T" "T" "G" "G" "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A"
## [15391] "A" "A" "C" "A" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "T" "G" " " "T"
## [15409] "T" "T" "A" "T" "A" "G" "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "A" "A" "A"
```

```
## [15427] "C" "C" "C" "T" "C" "A" "C" "C" "T" "T" "A" "T" "G" "G" "G" "T" "T" "G"
  [15445] "G" "G" "A" "T" "T" "A" "T" "C" "C" "T" "A" "A" "A" "A" "T" "G" "T" "G" "A"
## [15463] "T" "A" "G" "A" "G" "C" "C" "A" "T" "G" "C" "C" "T" "A" "A" " " " "C" "A"
## [15481] "T" "G" "C" "T" "T" "A" "G" "A" "A" "T" "T" "A" "T" "G" "G" "C" "C" "T"
## [15499] "C" "A" "C" "T" "T" "G" "T" "T" "C" "T" "T" "G" "C" "T" "C" "G" "C" "A"
## [15517] "A" "A" "C" "A" "T" "A" "C" "A" "A" "C" "G" "T" "G" "T" "T" "G" "T" "A"
## [15535] "G" "C" "T" "T" "G" "T" "C" "A" "C" "A" "C" "G" "T" " " "T" "T" "C"
## [15553] "T" "A" "T" "A" "G" "A" "T" "T" "A" "G" "C" "T" "A" "A" "T" "G" "A" "G"
  [15571] "T" "G" "T" "G" "C" "T" "C" "A" "A" "G" "T" "A" "T" "T" "G" "A" "G" "T"
## [15589] "G" "A" "A" "A" "T" "G" "G" "T" "C" "A" "T" "G" "T" "G" "T" "G" "C"
  [15607] "A" "G" "T" "T" "C" "A" "C" "T" "A" "T" "A" "T" "G" " " "T" "T" "A" "A"
## [15625] "A" "C" "C" "A" "G" "G" "T" "G" "G" "A" "A" "C" "C" "T" "C" "A" "T" "C"
  [15643] "A" "G" "G" "A" "G" "A" "T" "G" "C" "C" "A" "C" "A" "A" "C" "T" "G" "C"
## [15661] "T" "T" "A" "T" "G" "C" "T" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T" "T"
## [15679] "T" "A" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" " " "A" "G" "C" "T" "G"
## [15697] "T" "C" "A" "C" "G" "G" "C" "C" "A" "A" "T" "G" "T" "T" "A" "A" "T" "G"
  [15715] "C" "A" "C" "T" "T" "T" "T" "A" "T" "C" "T" "A" "C" "T" "G"
  [15733] "G" "T" "A" "A" "C" "A" "A" "A" "A" "T" "T" "G" "C" "C" "G" "A" "T" "A"
## [15751] "A" "G" "T" "A" "T" "G" "T" "C" "C" "G" "C" " " "A" "A" "T" "T" "T" "A"
## [15769] "C" "A" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T" "T" "A" "T" "G" "A" "G"
## [15787] "T" "G" "T" "C" "T" "C" "T" "A" "T" "A" "G" "A" "A" "A" "A" "T" "A" "G" "A"
## [15805] "G" "A" "T" "G" "T" "T" "G" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T" "T"
## [15823] "G" "T" "G" "A" "A" "T" "G" "A" "G" "T" " " "T" "T" "T" "A" "C" "G" "C"
## [15841] "A" "T" "A" "T" "T" "T" "G" "C" "G" "T" "A" "A" "A" "C" "A" "T" "T" "T" "T"
## [15859] "C" "T" "C" "A" "A" "T" "G" "A" "T" "G" "A" "T" "A" "T" "A" "C" "T" "T" "T" "C"
## [15877] "T" "G" "A" "C" "G" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "G" "T" "G"
## [15895] "T" "T" "T" "T" "A" "A" "T" "A" "G" " " "C" "A" "C" "T" "T" "A" "T" "G"
  [15913] "C" "A" "T" "C" "T" "C" "A" "A" "G" "G" "T" "C" "T" "A" "G" "T" "G" "G"
## [15931] "C" "T" "A" "G" "C" "A" "T" "A" "A" "G" "A" "A" "C" "T" "T" "T" "A"
## [15949] "A" "G" "T" "C" "A" "G" "T" "T" "C" "T" "T" "T" "A" "T" "T" "A" "T" "C"
## [15967] "A" "A" "A" "A" "C" "A" "A" "T" " " "G" "T" "T" "T" "T" "T" "A" "T" "G"
   [15985] "T" "C" "T" "G" "A" "A" "G" "C" "A" "A" "A" "A" "A" "T" "G" "T" "T" "G" "G"
  [16003] "A" "C" "T" "G" "A" "G" "A" "C" "T" "G" "A" "C" "C" "T" "T" "A" "C" "T"
  [16021] "A" "A" "A" "G" "G" "A" "C" "C" "T" "C" "A" "T" "G" "A" "A" "T" "T" "T"
## [16039] "T" "G" "C" "T" "C" "T" "C" " "A" "A" "C" "A" "T" "A" "C" "A" "A" "T"
## [16057] "G" "C" "T" "A" "G" "T" "T" "A" "A" "A" "C" "A" "G" "G" "G" "T" "G" "A"
## [16075] "T" "G" "A" "T" "T" "A" "T" "G" "T" "G" "T" "A" "C" "C" "T" "T" "C" "C"
## [16093] "T" "T" "A" "C" "C" "C" "A" "G" "A" "C" "C" "A" "T" "C" "A" "A" "G"
## [16111] "A" "A" "T" "C" "C" "T" " "A" "G" "G" "G" "G" "C" "C" "G" "G" "C" "T"
  [16129] "G" "T" "T" "T" "T" "G" "T" "A" "G" "A" "T" "G" "A" "T" "A" "T" "C" "G"
##
  [16147] "T" "A" "A" "A" "A" "A" "A" "C" "A" "G" "A" "T" "G" "G" "T" "A" "C" "A" "C"
## [16165] "T" "T" "A" "T" "G" "A" "T" "T" "G" "A" "A" "C" "G" "G" "T" "T" "C" "G"
   [16183] "T" "G" "T" "C" "T" " " "T" "T" "A" "G" "C" "T" "A" "T" "A" "G" "A" "T"
## [16201] "G" "C" "T" "T" "A" "C" "C" "C" "A" "C" "T" "T" "A" "C" "T" "A" "A" "A" "A"
## [16219] "C" "A" "T" "C" "C" "T" "A" "A" "T" "C" "A" "G" "G" "A" "G" "T" "A" "T"
## [16237] "G" "C" "T" "G" "A" "T" "G" "T" "C" "T" "T" "T" "C" "A" "T" "T" "T" "G"
   [16255] "T" "A" "C" "T" " " "T" "A" "C" "A" "A" "T" "A" "C" "A" "T" "A" "A" "G"
  [16273] "A" "A" "A" "G" "C" "T" "A" "C" "A" "T" "G" "A" "T" "G" "A" "T" "T"
  [16291] "A" "A" "C" "A" "G" "G" "A" "C" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A"
## [16309] "C" "A" "T" "G" "T" "A" "T" "T" "C" "T" "G" "T" "T" "A" "T" "G" "C" "T"
## [16327] "T" "A" "C" " " "T" "A" "A" "T" "G" "A" "T" "A" "A" "C" "A" "C" "T" "T"
## [16345] "C" "A" "A" "G" "G" "T" "A" "T" "T" "G" "G" "G" "A" "A" "C" "C" "T" "G"
## [16363] "A" "G" "T" "T" "T" "T" "A" "T" "G" "A" "G" "G" "C" "T" "A" "T" "G" "T"
## [16381] "A" "C" "A" "C" "A" "C" "C" "G" "C" "A" "T" "A" "C" "A" "G" "T" "C" "T"
```

```
## [16399] "T" "A" " " "C" "A" "G" "G" "C" "T" "G" "T" "T" "G" "G" "G" "G" "G" "C" "T"
  [16417] "T" "G" "T" "G" "T" "T" "C" "T" "T" "T" "G" "C" "A" "A" "T" "T" "C" "A"
## [16435] "C" "A" "G" "A" "C" "T" "T" "C" "A" "T" "T" "A" "A" "G" "A" "T" "G" "T"
## [16453] "G" "G" "T" "G" "C" "T" "T" "G" "C" "A" "T" "A" "C" "G" "T" "A" "G" "A"
## [16471] "C" " " "C" "A" "T" "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "T" "A" "A"
## [16489] "A" "T" "G" "C" "T" "G" "T" "T" "A" "C" "G" "A" "C" "C" "A" "T" "G" "T"
## [16525] "A" "T" "T" "A" "G" "T" "C" "T" "G" "T" "C" "T" "G" "T" "G" "T" "A" "A"
  [16543] " " "T" "C" "C" "G" "T" "A" "T" "G" "T" "T" "G" "C" "A" "A" "T" "G"
  [16561] "C" "T" "C" "C" "A" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "T" "C" "A"
  [16579] "C" "A" "G" "A" "T" "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T" "T"
## [16597] "A" "C" "T" "T" "A" "G" "G" "A" "G" "G" "T" "A" "T" "G" "A" "G" "C" " "
  [16615] "T" "A" "T" "T" "A" "T" "T" "G" "T" "A" "A" "A" "A" "T" "C" "A" "T"
## [16633] "A" "A" "A" "C" "C" "A" "C" "C" "A" "T" "T" "A" "G" "T" "T" "T" "T"
## [16651] "C" "C" "A" "T" "T" "G" "T" "G" "T" "G" "T" "A" "A" "T" "G" "G" "A"
[16687] "T" "A" "A" "A" "A" "A" "T" "A" "C" "A" "T" "G" "T" "G" "T" "G" "T" "G" "G"
  [16705] "T" "A" "G" "C" "G" "A" "T" "A" "A" "T" "G" "T" "T" "A" "C" "T" "G" "A"
## [16723] "C" "T" "T" "A" "A" "A" "T" "G" "C" "A" "A" "T" "T" "G" "C" "A" "A" "C"
## [16741] "A" "T" "G" "T" "G" "A" "C" "T" "G" "G" "A" "C" "A" "A" "A" "A" " " "T" "G"
## [16759] "C" "T" "G" "G" "T" "G" "A" "T" "T" "A" "C" "A" "T" "T" "T" "T" "A" "G"
## [16777] "C" "T" "A" "A" "C" "A" "C" "C" "T" "G" "T" "A" "C" "T" "G" "A" "A" "A" "A"
## [16795] "G" "A" "C" "T" "C" "A" "A" "G" "C" "T" "T" "T" "T" "T" "T" "G" "C" "A" "G"
## [16813] "C" "A" "G" "A" "A" "A" "C" "G" "C" "T" "C" "A" "A" "A" " " " "G" "C" "T"
## [16831] "A" "C" "T" "G" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "T" "A" "A" "A" "A"
  [16849] "C" "T" "G" "T" "C" "T" "T" "A" "T" "G" "G" "T" "A" "T" "T" "G" "C" "T"
## [16867] "A" "C" "T" "G" "T" "A" "C" "G" "T" "G" "A" "A" "G" "T" "G" "C" "T" "G"
## [16885] "T" "C" "T" "G" "A" "C" "A" "G" "A" "G" "A" "A" "T" " " "T" "A" "C" "A"
## [16903] "T" "C" "T" "T" "T" "C" "A" "T" "G" "G" "G" "A" "A" "G" "T" "T" "G" "G"
## [16921] "T" "A" "A" "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "C" "C" "A" "C" "T"
## [16939] "T" "A" "A" "C" "C" "G" "A" "A" "A" "T" "T" "A" "T" "G" "T" "C" "T" "T"
  [16957] "T" "A" "C" "T" "G" "G" "T" "T" "A" "T" "C" "G" " " " "T" "G" "T" "A" "A"
  [16975] "C" "T" "A" "A" "A" "A" "A" "C" "A" "G" "T" "A" "A" "A" "A" "G" "T" "A" "C"
## [16993] "A" "A" "A" "T" "A" "G" "G" "A" "G" "A" "G" "T" "A" "C" "A" "C" "C" "T"
## [17011] "T" "T" "G" "A" "A" "A" "A" "G" "G" "T" "G" "A" "C" "T" "A" "T" "G"
## [17029] "G" "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" " " "G" "T" "T" "T" "A" "C"
## [17047] "C" "G" "A" "G" "G" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "T" "A" "C"
## [17065] "A" "A" "A" "T" "T" "A" "A" "A" "T" "G" "T" "G" "T" "G" "G" "T" "G" "A" "T"
## [17083] "T" "A" "T" "T" "T" "T" "G" "T" "G" "C" "T" "G" "A" "C" "A" "T" "C" "A"
## [17101] "C" "A" "T" "A" "C" "A" "G" "T" "A" "A" " " "T" "G" "C" "C" "A" "T" "T"
## [17119] "A" "A" "G" "T" "G" "C" "A" "C" "C" "T" "A" "C" "A" "C" "T" "A" "G" "T"
## [17137] "G" "C" "A" "C" "A" "G" "A" "G" "A" "G" "A" "C" "T" "A" "T" "G" "T"
## [17155] "T" "A" "G" "A" "A" "T" "T" "A" "C" "T" "G" "G" "C" "T" "T" "A" "T" "A"
## [17173] "C" "C" "C" "A" "A" "C" "A" "C" "T" " "C" "A" "A" "T" "A" "T" "C" "T"
## [17191] "C" "A" "G" "A" "T" "G" "A" "G" "T" "T" "T" "T" "C" "T" "A" "G" "C" "A"
## [17209] "A" "T" "G" "T" "T" "G" "C" "A" "A" "A" "T" "T" "A" "T" "C" "A" "A" "A" "A"
  [17227] "A" "G" "G" "T" "T" "G" "G" "T" "A" "T" "G" "C" "A" "A" "A" "A" "A" "G" "T"
## [17245] "A" "T" "T" "C" "T" "A" "C" "A" " "C" "T" "C" "C" "A" "G" "G" "G" "A"
  [17263] "C" "C" "A" "C" "C" "T" "G" "G" "T" "A" "C" "T" "G" "G" "T" "A" "A" "G"
## [17281] "A" "G" "T" "C" "A" "T" "T" "T" "T" "G" "C" "T" "A" "T" "T" "G" "G" "C"
## [17299] "C" "T" "A" "G" "C" "C" "C" "T" "A" "C" "T" "A" "C" "T" "A" "C" "C" "C" "T"
## [17317] "T" "C" "T" "G" "C" "T" "C" " " "G" "C" "A" "T" "A" "G" "T" "G" "T" "A"
## [17335] "T" "A" "C" "A" "G" "C" "T" "T" "G" "C" "T" "C" "T" "C" "A" "T" "G" "C"
## [17353] "C" "G" "C" "T" "G" "T" "T" "G" "A" "T" "G" "C" "A" "C" "T" "A" "T" "G"
```

```
## [17371] "T" "G" "A" "G" "A" "A" "G" "G" "C" "A" "T" "T" "A" "A" "A" "A" "T" "A"
  [17389] "T" "T" "T" "G" "C" "C" " " "T" "A" "T" "A" "G" "A" "T" "A" "A" "A" "A" "T"
## [17407] "G" "T" "A" "G" "T" "A" "G" "A" "A" "T" "T" "A" "T" "A" "C" "C" "T" "G"
## [17425] "C" "A" "C" "G" "T" "G" "C" "T" "C" "G" "T" "G" "T" "A" "G" "A" "G" "A" "G" "T"
## [17443] "G" "T" "T" "T" "T" "G" "A" "T" "A" "A" "A" "T" "T" "C" "A" "A" "A" "A" "G"
## [17461] "T" "G" "A" "A" "T" " "T" "C" "A" "A" "C" "A" "T" "T" "A" "G" "A" "A"
## [17479] "C" "A" "G" "T" "A" "T" "G" "T" "C" "T" "T" "T" "T" "G" "T" "A" "C" "T"
## [17497] "G" "T" "A" "A" "A" "T" "G" "C" "A" "T" "T" "G" "C" "C" "T" "G" "A" "G"
  [17515] "A" "C" "G" "A" "C" "A" "G" "C" "A" "G" "T" "A" "T" "A" "T" "A" "G" "T" "T"
## [17533] "G" "T" "C" "T" " "T" "T" "G" "A" "T" "G" "A" "A" "A" "T" "T" "T" "T" "C"
## [17551] "A" "A" "T" "G" "G" "C" "C" "A" "C" "A" "A" "A" "T" "T" "A" "T" "G" "A"
## [17569] "T" "T" "G" "A" "G" "T" "G" "T" "G" "T" "C" "A" "A" "T" "G" "C"
## [17587] "C" "A" "G" "A" "T" "T" "A" "T" "G" "T" "G" "C" "T" "A" "A" "G" "C" "A"
## [17605] "C" "T" "A" " "T" "G" "T" "G" "T" "A" "C" "A" "T" "T" "G" "G" "C" "G"
## [17623] "A" "C" "C" "C" "T" "G" "C" "T" "G" "A" "A" "T" "T" "A" "C" "C" "T" "G"
## [17641] "C" "A" "C" "C" "A" "C" "G" "C" "A" "C" "A" "T" "T" "G" "C" "T" "A" "A"
## [17659] "C" "T" "A" "G" "G" "G" "C" "A" "C" "A" "C" "T" "A" "G" "A" "A" "C"
## [17677] "C" "A" " "G" "A" "A" "T" "A" "T" "T" "T" "C" "A" "A" "T" "T" "C" "A"
## [17695] "G" "T" "G" "T" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A"
## [17713] "A" "C" "T" "A" "T" "A" "G" "G" "T" "C" "C" "A" "G" "A" "C" "A" "T" "G"
## [17731] "T" "T" "C" "C" "T" "C" "G" "G" "A" "A" "C" "T" "T" "G" "T" "C" "G" "G"
## [17749] "C" " " "G" "T" "T" "G" "T" "C" "C" "T" "G" "C" "T" "G" "A" "A" "A" "A" "T"
## [17767] "T" "G" "T" "T" "G" "A" "C" "A" "C" "T" "G" "T" "G" "A" "G" "T" "G" "C"
## [17803] "G" "C" "T" "T" "A" "A" "A" "G" "C" "A" "C" "A" "T" "A" "A" "A" "A" "G" "A"
## [17821] " " "C" "A" "A" "A" "T" "C" "A" "G" "C" "T" "C" "A" "A" "A" "T" "G" "N" "T"
## [17839] "T" "T" "A" "A" "A" "A" "G" "T" "T" "T" "T" "A" "A" "T" "A" "A" "G" "G"
## [17857] "G" "T" "G" "T" "T" "A" "T" "C" "A" "C" "G" "C" "A" "T" "G" "A" "T" "G"
## [17875] "T" "T" "T" "C" "A" "T" "C" "T" "G" "C" "A" "A" "T" "T" "A" "A" "C" "
## [17893] "A" "G" "G" "C" "C" "A" "C" "A" "A" "A" "T" "A" "G" "G" "C" "G" "T" "G"
## [17911] "G" "T" "A" "A" "G" "A" "G" "A" "T" "T" "C" "C" "T" "C" "A" "C" "A"
## [17929] "C" "G" "T" "A" "A" "C" "C" "C" "T" "G" "C" "T" "T" "G" "G" "A" "G" "A"
## [17947] "A" "A" "A" "G" "C" "T" "G" "T" "C" "T" "T" "T" "A" "T" "T" "T" "T" " "C"
## [17965] "A" "C" "C" "T" "T" "A" "T" "A" "T" "C" "A" "C" "A" "G" "A" "A" "A"
## [17983] "T" "G" "C" "T" "G" "T" "A" "G" "C" "C" "T" "C" "A" "A" "A" "G" "A" "T"
## [18001] "T" "T" "T" "G" "G" "G" "A" "C" "T" "A" "C" "C" "A" "A" "C" "T" "C" "A"
## [18019] "A" "A" "C" "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "T" "C" " " "A" "C"
## [18037] "A" "G" "G" "G" "C" "T" "C" "A" "G" "A" "A" "T" "A" "C" "G" "A" "C" "T"
## [18055] "A" "T" "G" "T" "C" "A" "T" "A" "T" "T" "C" "A" "C" "T" "C" "A" "A" "A" "A"
## [18073] "C" "C" "A" "C" "T" "G" "A" "A" "A" "C" "A" "G" "C" "T" "C" "A" "C" "T"
## [18091] "C" "T" "T" "G" "T" "A" "A" "T" "G" "T" "A" "A" "A" "C" " " "A" "G" "A"
## [18109] "T" "T" "A" "A" "A" "T" "G" "T" "G" "C" "T" "A" "T" "T" "A" "C" "C"
## [18127] "A" "G" "A" "G" "C" "A" "A" "A" "A" "G" "T" "A" "G" "G" "C" "A" "T" "A"
## [18145] "C" "T" "T" "T" "G" "C" "A" "T" "A" "A" "T" "G" "T" "C" "T" "G" "A" "T"
## [18163] "A" "G" "A" "G" "A" "C" "C" "T" "T" "T" "A" "T" "G" " " "A" "C" "A" "A"
## [18181] "G" "T" "T" "G" "C" "A" "A" "T" "T" "A" "C" "A" "A" "G" "T" "C" "T"
  [18199] "T" "G" "A" "A" "A" "T" "T" "C" "C" "A" "C" "G" "T" "A" "G" "G" "A" "A"
  [18217] "T" "G" "T" "G" "G" "C" "A" "A" "C" "T" "T" "T" "A" "C" "A" "A" "G" "C"
## [18235] "T" "G" "A" "A" "A" "A" "T" "G" "T" "A" "A" "C" " " "A" "G" "G" "G" "A" "C"
## [18253] "T" "C" "T" "T" "T" "A" "A" "G" "A" "T" "T" "G" "T" "A" "G" "T" "A"
## [18271] "A" "G" "G" "T" "A" "A" "T" "C" "A" "C" "T" "G" "G" "G" "T" "T" "A" "C"
## [18289] "A" "T" "C" "C" "T" "A" "C" "A" "G" "G" "G" "C" "A" "C" "T" "A"
## [18307] "C" "A" "C" "A" "C" "C" "T" "C" "A" "G" "T" " " "G" "T" "T" "G" "A" "C"
## [18325] "A" "C" "T" "A" "A" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "G" "A" "A"
```

```
## [18343] "G" "G" "T" "T" "T" "A" "T" "G" "T" "G" "T" "T" "G" "A" "C" "G" "T" "A"
  [18361] "C" "C" "T" "G" "G" "C" "A" "T" "A" "C" "C" "T" "A" "A" "A" "G" "G" "A" "C"
## [18379] "A" "T" "G" "A" "C" "C" "T" "A" "T" "A" " " "G" "A" "A" "G" "A" "C" "T"
## [18397] "C" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A" "T" "G" "G" "G" "G" "T" "T" "T"
## [18415] "T" "A" "A" "A" "A" "T" "G" "A" "A" "T" "T" "A" "T" "C" "A" "A" "G" "T"
## [18433] "T" "A" "A" "T" "G" "G" "T" "T" "A" "C" "C" "C" "T" "A" "A" "C" "A" "T"
## [18451] "G" "T" "T" "A" "T" "C" "A" "C" " " "C" "C" "G" "C" "G" "A" "A" "G"
## [18469] "A" "A" "G" "C" "T" "A" "T" "A" "A" "G" "A" "C" "A" "T" "G" "T" "A" "C"
  [18487] "G" "T" "G" "C" "A" "T" "G" "G" "A" "T" "T" "G" "G" "G" "G" "C" "T" "T" "C" "G"
## [18505] "A" "T" "G" "T" "C" "G" "A" "G" "G" "G" "G" "T" "G" "T" "C" "A" "T" "G"
  [18523] "C" "T" "A" "C" "T" "A" "G" "A" " " "G" "A" "A" "G" "C" "T" "G" "T" "T"
## [18541] "G" "G" "T" "A" "C" "C" "A" "A" "T" "T" "A" "C" "C" "T" "T" "T" "A"
## [18559] "C" "A" "G" "C" "T" "A" "G" "G" "T" "T" "T" "T" "T" "T" "C" "T" "A" "C" "A"
## [18577] "G" "G" "T" "G" "T" "T" "A" "A" "C" "C" "T" "A" "G" "T" "T" "G" "C" "T"
## [18595] "G" "T" "A" "C" "C" "T" "A" " " "C" "A" "G" "G" "T" "T" "A" "T" "G" "T"
## [18613] "T" "G" "A" "T" "A" "C" "A" "C" "C" "T" "A" "A" "T" "A" "A" "T" "A" "C"
  [18631] "A" "G" "A" "T" "T" "T" "T" "T" "C" "C" "A" "G" "A" "G" "T" "T" "A" "G"
## [18649] "T" "G" "C" "T" "A" "A" "A" "C" "C" "A" "C" "C" "G" "C" "C" "T" "G" "G"
## [18667] "A" "G" "A" "T" "C" "A" " " "A" "T" "T" "A" "A" "A" "A" "C" "A" "C" "C"
## [18685] "T" "C" "A" "T" "A" "C" "C" "A" "C" "T" "T" "A" "T" "G" "T" "A" "C" "A"
## [18703] "A" "A" "G" "G" "A" "C" "T" "T" "C" "C" "T" "T" "G" "G" "A" "A" "A" "T" "G"
## [18721] "T" "A" "G" "T" "G" "C" "G" "T" "A" "T" "A" "A" "A" "G" "A" "T" "T" "G"
## [18739] "T" "A" "C" "A" "A" " " "A" "T" "G" "T" "T" "A" "A" "G" "T" "G" "A" "C"
## [18757] "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "A" "T" "C" "T" "C" "T" "C" "T"
## [18775] "G" "A" "C" "A" "G" "A" "G" "T" "C" "G" "T" "A" "T" "T" "T" "G" "T" "C"
## [18793] "T" "T" "A" "T" "G" "G" "G" "C" "A" "C" "A" "T" "G" "G" "C" "T" "T" "T"
## [18811] "G" "A" "G" "T" " "T" "G" "A" "C" "A" "T" "C" "T" "A" "T" "G" "A" "A"
## [18829] "G" "T" "A" "T" "T" "T" "T" "G" "T" "G" "A" "A" "A" "A" "T" "A" "G" "G"
## [18847] "A" "C" "C" "T" "G" "A" "G" "C" "G" "C" "A" "C" "C" "T" "G" "T" "T" "G"
## [18865] "T" "C" "T" "A" "T" "G" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "G" "C"
## [18883] "C" "A" "C" " "A" "T" "G" "C" "T" "T" "T" "T" "C" "C" "A" "C" "T" "G"
  [18901] "C" "T" "T" "C" "A" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "C" "T"
## [18919] "G" "T" "T" "G" "G" "C" "A" "T" "C" "A" "T" "T" "C" "T" "A" "T" "T" "G"
## [18937] "G" "A" "T" "T" "T" "G" "A" "T" "T" "A" "C" "G" "T" "C" "T" "A" "T" "A"
## [18955] "A" "T" " "C" "C" "G" "T" "T" "A" "T" "G" "A" "T" "T" "G" "A" "T"
## [18991] "A" "C" "A" "G" "G" "T" "A" "A" "C" "C" "T" "A" "C" "A" "A" "A" "G" "C"
## [19009] "A" "A" "C" "C" "A" "T" "G" "A" "T" "C" "T" "G" "T" "A" "T" "A" "T" "G" "T"
## [19027] "C" " "A" "A" "G" "T" "C" "C" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C"
## [19045] "A" "C" "A" "T" "G" "T" "A" "G" "C" "T" "A" "G" "T" "T" "G" "T" "G" "A"
## [19063] "T" "G" "C" "A" "A" "T" "C" "A" "T" "G" "A" "C" "T" "A" "G" "G" "T" "G"
## [19081] "T" "C" "T" "A" "G" "C" "T" "G" "C" "C" "A" "C" "G" "A" "G" "T" "G"
## [19099] " " "C" "T" "T" "T" "G" "T" "T" "A" "A" "G" "C" "G" "T" "T" "G" "T" "T" "G"
## [19117] "A" "C" "T" "G" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "T" "A" "T" "C"
## [19135] "C" "T" "A" "T" "A" "A" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "A" "C"
## [19153] "T" "G" "A" "A" "G" "A" "T" "T" "A" "A" "T" "G" "C" "G" "G" "C" "T" " "
  [19171] "T" "G" "T" "A" "G" "A" "A" "A" "G" "G" "T" "T" "C" "A" "A" "C" "A" "C"
  [19189] "A" "T" "G" "G" "T" "T" "G" "T" "T" "A" "A" "A" "G" "C" "T" "G" "C" "A"
  [19207] "T" "T" "A" "T" "T" "A" "G" "C" "A" "G" "A" "C" "A" "A" "A" "A" "T" "T" "T" "C"
## [19225] "C" "C" "A" "G" "T" "T" "C" "T" "T" "C" "A" "C" "G" "A" "C" "A" " "T"
## [19243] "T" "G" "G" "T" "A" "A" "C" "C" "C" "T" "A" "A" "A" "G" "C" "T" "A" "T"
## [19261] "T" "A" "A" "G" "T" "G" "T" "G" "T" "A" "C" "C" "T" "C" "A" "A" "G" "C"
## [19279] "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "G" "G" "A" "A" "G" "T" "T"
## [19297] "C" "T" "A" "T" "G" "A" "T" "G" "C" "A" "C" "A" "G" "C" "C" " " "T" "T"
```

```
## [19315] "G" "T" "A" "G" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "A" "T" "A"
  [19333] "A" "A" "A" "T" "A" "G" "A" "A" "G" "A" "A" "T" "T" "T" "A" "T" "T" "C" "T"
  [19351] "A" "T" "T" "C" "T" "T" "A" "T" "G" "C" "C" "A" "C" "A" "C" "A" "C" "A" "T" "T"
## [19369] "C" "T" "G" "A" "C" "A" "A" "A" "T" "T" "C" "A" "C" "A" " " "G" "A" "T"
## [19387] "G" "G" "T" "G" "T" "A" "T" "G" "C" "C" "T" "A" "T" "T" "T" "T" "T" "G" "G"
## [19405] "A" "A" "T" "T" "G" "C" "A" "A" "T" "G" "T" "C" "G" "A" "T" "A" "G" "A"
## [19423] "T" "A" "T" "C" "C" "T" "G" "C" "T" "A" "A" "T" "T" "C" "C" "A" "T" "T"
## [19441] "G" "T" "T" "T" "G" "T" "A" "G" "A" "T" "T" "T" "T" "G" " " "A" "C" "A" "C"
## [19459] "T" "A" "G" "A" "G" "T" "G" "C" "T" "A" "T" "C" "T" "A" "A" "C" "C" "T"
## [19477] "T" "A" "A" "C" "T" "T" "G" "C" "C" "T" "G" "G" "T" "T" "G" "T" "G" "A"
  [19495] "T" "G" "G" "T" "G" "G" "C" "A" "G" "T" "T" "T" "G" "T" "A" "T" "G" "T"
## [19513] "A" "A" "A" "T" "A" "A" "A" "C" "A" "T" "G" "C" " " "A" "T" "T" "C" "C"
## [19531] "A" "C" "A" "C" "A" "C" "G" "G" "G" "T" "T" "T" "T" "T" "G" "A" "T" "A"
## [19549] "A" "A" "A" "G" "T" "G" "C" "T" "T" "T" "T" "G" "T" "T" "A" "A" "T" "T"
## [19567] "T" "A" "A" "A" "A" "C" "A" "A" "T" "T" "A" "C" "C" "A" "T" "T" "T" "T"
## [19585] "T" "C" "T" "A" "T" "T" "A" "C" "T" "C" "T" " "G" "A" "C" "A" "G" "T"
  Γ19603]
          "C" "C" "A" "T" "G" "T" "G" "A" "G" "T" "C" "T" "C" "A" "T" "G" "G" "A"
  [19621] "A" "A" "A" "C" "A" "A" "G" "T" "A" "G" "T" "G" "T" "C" "A" "G" "A" "T"
  [19639] "A" "T" "A" "G" "A" "T" "T" "A" "T" "G" "T" "A" "C" "C" "A" "C" "T" "A"
## [19657] "A" "A" "G" "T" "C" "T" "G" "C" "T" "A" " " "C" "G" "T" "G" "T" "A" "T"
## [19675] "A" "A" "C" "A" "C" "G" "T" "T" "G" "C" "A" "A" "T" "T" "T" "A" "G" "G"
## [19693] "T" "G" "G" "T" "G" "C" "T" "G" "T" "C" "T" "G" "T" "A" "G" "A" "C" "A"
## [19711] "T" "C" "A" "T" "G" "C" "T" "A" "A" "T" "G" "A" "G" "T" "A" "C" "A" "G"
## [19729] "A" "T" "T" "G" "T" "A" "T" "C" "T" " " "C" "G" "A" "T" "G" "C" "T" "T"
## [19747] "A" "T" "A" "A" "C" "A" "T" "G" "A" "T" "G" "A" "T" "C" "T" "C" "A" "G"
  [19765] "C" "T" "G" "G" "C" "T" "T" "T" "A" "G" "C" "T" "T" "G" "T" "G" "G" "G"
## [19783] "T" "T" "A" "C" "A" "A" "C" "A" "A" "T" "T" "T" "T" "G" "A" "T" "A"
  [19801] "C" "T" "T" "A" "T" "A" "A" "C" " "C" "T" "C" "T" "G" "G" "A" "A" "C"
## [19819] "A" "C" "T" "T" "T" "T" "A" "C" "A" "A" "G" "A" "C" "T" "T" "C" "A" "G"
## [19837] "A" "G" "T" "T" "T" "A" "G" "A" "A" "A" "T" "G" "T" "G" "G" "C" "T"
## [19855] "T" "T" "A" "A" "A" "T" "G" "T" "G" "T" "A" "A" "A" "A" "T" "A" "A" "G"
  [19873] "G" "G" "A" "C" "A" "C" "T" " "T" "T" "G" "A" "T" "G" "A" "C" "A"
## [19891] "A" "C" "A" "G" "G" "G" "T" "G" "A" "A" "G" "T" "A" "C" "C" "A" "G" "T"
## [19909] "T" "T" "C" "T" "A" "T" "C" "A" "T" "A" "A" "A" "A" "A" "A" "C" "A" "C"
## [19927] "T" "G" "T" "T" "T" "A" "C" "A" "C" "A" "A" "A" "A" "G" "T" "T" "G" "A"
## [19945] "T" "G" "G" "T" "G" "T" " " "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "T"
## [19981] "C" "A" "T" "T" "A" "C" "C" "T" "G" "T" "T" "A" "A" "A" "T" "G" "T" "A" "G"
## [19999] "C" "A" "T" "T" "T" "G" "A" "G" "C" "T" "T" "T" "G" "G" "G" "C" "T" "A"
  [20017] "A" "G" "C" "G" "C" " " "A" "A" "C" "A" "T" "T" "A" "A" "A" "A" "C" "C" "A"
##
  [20035] "G" "T" "A" "C" "C" "A" "G" "A" "G" "G" "T" "G" "A" "A" "A" "A" "A" "T" "A"
## [20053] "C" "T" "C" "A" "A" "T" "A" "A" "T" "T" "T" "G" "G" "G" "G" "T" "G" "T" "G"
## [20071] "G" "A" "C" "A" "T" "T" "G" "C" "T" "G" "C" "T" "A" "A" "T" "A" "C" "T"
## [20089] "G" "T" "G" "A" " "T" "C" "T" "G" "G" "G" "A" "C" "T" "A" "C" "A" "A"
## [20107] "A" "A" "G" "A" "G" "A" "T" "G" "C" "T" "C" "C" "A" "G" "C" "A" "C" "A"
## [20125] "T" "A" "T" "A" "T" "C" "T" "A" "C" "T" "A" "T" "T" "G" "G" "T" "G" "T"
   [20143] "T" "T" "G" "T" "T" "C" "T" "A" "T" "G" "A" "C" "T" "G" "A" "C" "A" "T"
  [20161] "A" "G" "C" " " "C" "A" "A" "G" "A" "A" "A" "C" "C" "A" "A" "T" "T" "G"
  [20179] "A" "A" "A" "C" "G" "A" "T" "T" "G" "T" "G" "C" "A" "C" "C" "A" "C"
  [20197] "T" "C" "A" "C" "T" "G" "T" "C" "T" "T" "T" "T" "T" "T" "T" "G" "A" "T" "G"
  [20215] "G" "T" "A" "G" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "C" "A" "A" "G"
## [20233] "T" "A" " "G" "A" "C" "T" "T" "A" "T" "T" "A" "G" "A" "A" "A" "T"
## [20251] "G" "C" "C" "C" "G" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "C" "T" "T"
## [20269] "A" "T" "T" "A" "C" "A" "G" "A" "G" "G" "G" "T" "A" "G" "T" "G" "T" "T"
```

```
## [20287] "A" "A" "A" "G" "G" "T" "T" "T" "A" "C" "A" "A" "C" "C" "A" "T" "C" "T"
   [20323] "T" "A" "G" "T" "C" "T" "T" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "C"
  [20341] "A" "T" "T" "A" "A" "T" "T" "G" "G" "A" "G" "A" "A" "G" "C" "C" "G" "T"
## [20359] "A" "A" "A" "A" "A" "C" "A" "C" "A" "G" "T" "T" "C" "A" "A" "T" "T" "A"
## [20377] " " "T" "T" "A" "T" "A" "A" "G" "A" "A" "G" "T" "T" "G" "A" "T" "G"
## [20395] "G" "T" "G" "T" "T" "G" "T" "C" "C" "A" "A" "C" "A" "A" "T" "T" "A" "C"
## [20413] "C" "T" "G" "A" "A" "A" "C" "T" "T" "A" "C" "T" "T" "A" "C" "T" "C"
  [20431] "A" "G" "A" "G" "T" "A" "G" "A" "A" "A" "T" "T" "T" "A" "C" "A" "A" " "
  [20449] "G" "A" "A" "T" "T" "T" "A" "A" "A" "C" "C" "C" "A" "G" "G" "A" "G" "T"
  [20467] "C" "A" "A" "A" "T" "G" "G" "A" "A" "A" "T" "T" "G" "A" "T" "T" "T" "C"
## [20485] "T" "T" "A" "G" "A" "A" "T" "T" "A" "G" "C" "T" "A" "T" "G" "G" "A" "T"
  [20503] "G" "A" "A" "T" "T" "C" "A" "T" "T" "G" "A" "A" "A" "C" "G" "G" "T" " " "A"
## [20521] "T" "A" "A" "A" "T" "T" "A" "G" "A" "A" "G" "G" "C" "T" "A" "T" "G" "C"
## [20539] "C" "T" "T" "C" "G" "A" "A" "C" "A" "T" "A" "T" "C" "G" "T" "T" "T" "A"
## [20557] "T" "G" "G" "A" "G" "A" "T" "T" "T" "A" "G" "T" "C" "A" "T" "A" "G"
  [20575]
         "T" "C" "A" "G" "T" "T" "A" "G" "G" "T" "G" "G" "T" "T" "T" "T" " " "A" "C"
  [20593] "A" "T" "C" "T" "A" "C" "T" "G" "A" "T" "T" "G" "G" "A" "C" "T" "A" "G"
  [20611] "C" "T" "A" "A" "A" "C" "G" "T" "T" "T" "T" "A" "A" "G" "G" "A" "A" "T"
## [20629] "C" "A" "C" "C" "T" "T" "T" "T" "G" "A" "A" "T" "T" "A" "G" "A" "A" "G"
## [20647] "A" "T" "T" "T" "A" "T" "C" "C" "C" "T" "A" "T" "G" " " "G" "A" "C"
## [20665] "A" "G" "T" "A" "C" "A" "G" "T" "T" "A" "A" "A" "A" "A" "A" "C" "T" "A" "T"
## [20683] "T" "T" "C" "A" "T" "A" "A" "C" "A" "G" "A" "T" "G" "C" "G" "C" "A" "A"
## [20701] "A" "C" "A" "G" "G" "T" "T" "C" "A" "T" "C" "T" "A" "A" "G" "T" "G" "T"
## [20719] "G" "T" "G" "T" "G" "T" "C" "T" "G" "T" "A" " " "T" "A" " " "T" "T" "G" "A"
  [20737] "T" "T" "T" "A" "T" "T" "A" "C" "T" "T" "G" "A" "T" "G" "A" "T" "T" "T"
[20773] "C" "C" "A" "A" "G" "A" "T" "T" "T" "A" "T" "C" "T" "G" "T" "A" "G" "T"
## [20791] "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "G" "T" " " "C" "A" "A" "A" "G"
## [20809] "T" "G" "A" "C" "T" "A" "T" "T" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G"
## [20827] "A" "A" "A" "T" "T" "T" "C" "A" "T" "T" "T" "A" "T" "G" "C" "T" "T" "T"
         "G" "G" "T" "G" "T" "A" "A" "A" "G" "A" "T" "G" "G" "C" "C" "A" "T" "G"
  [20845]
  [20863] "T" "A" "G" "A" "A" "A" "C" "A" "T" "T" "T" "T" "A" "C" "C" "C" "A"
  [20881] "A" "A" "A" "T" "T" "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "C" "A" "A"
## [20899] "G" "C" "G" "T" "G" "G" "C" "A" "A" "C" "C" "G" "G" "G" "T" "G" "T" "T"
## [20917] "G" "C" "T" "A" "T" "G" "C" "C" "T" "A" "A" "T" "C" "T" "T" "T" "A" "C"
## [20935] "A" "A" "A" "A" "T" "G" "C" "A" "A" "A" " " "G" "A" "A" "T" "G" "C" "T"
## [20953] "A" "T" "T" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "T" "G" "A" "C" "C" "T"
## [20971] "T" "C" "A" "A" "A" "A" "T" "T" "A" "T" "G" "G" "T" "G" "A" "T" "A" "G"
  [20989] "T" "G" "C" "A" "A" "C" "A" "T" "T" "A" "C" "C" "T" "A" "A" "A" "A" "G" "G"
##
  [21007] "C" "A" "T" "A" "A" "T" "G" "A" "T" " " "G" "A" "A" "T" "G" "T" "C" "G"
## [21025] "C" "A" "A" "A" "A" "T" "A" "T" "A" "C" "T" "C" "A" "A" "C" "T" "G" "T"
## [21061] "T" "A" "A" "C" "A" "T" "T" "A" "G" "C" "T" "G" "T" "A" "C" "C" "C" "T"
## [21079] "A" "T" "A" "A" "T" "A" "T" "G" " " "A" "G" "A" "G" "T" "T" "A" "T" "A"
## [21097] "C" "A" "T" "T" "T" "T" "G" "G" "T" "G" "C" "T" "G" "G" "T" "T" "C" "T"
   [21115] "G" "A" "T" "A" "A" "A" "G" "G" "A" "G" "T" "T" "G" "C" "A" "C" "C" "A"
  [21133] "G" "G" "T" "A" "C" "A" "G" "C" "T" "G" "T" "T" "T" "T" "A" "A" "G" "A"
  [21151] "C" "A" "G" "T" "G" "G" "T" " " "T" "G" "C" "C" "T" "A" "C" "G" "G" "G"
## [21169] "T" "A" "C" "G" "C" "T" "G" "C" "T" "T" "G" "T" "C" "G" "A" "T" "T" "C"
  [21187] "A" "G" "A" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "T" "T" "T" "G" "T"
## [21205] "C" "T" "C" "T" "G" "A" "T" "G" "C" "A" "G" "A" "T" "T" "C" "A" "A" "C"
## [21223] "T" "T" "T" "G" "A" "T" " " "T" "G" "G" "T" "G" "A" "T" "T" "G" "T" "G"
## [21241] "C" "A" "A" "C" "T" "G" "T" "A" "C" "A" "T" "A" "C" "A" "G" "C" "T" "A"
```

```
## [21259] "A" "T" "A" "A" "A" "T" "G" "G" "G" "A" "T" "C" "T" "C" "A" "T" "T" "A"
  [21277] "T" "T" "A" "G" "T" "G" "A" "T" "A" "T" "G" "T" "A" "C" "G" "A" "C" "C"
## [21295] "C" "T" "A" "A" "G" " " "A" "C" "T" "A" "A" "A" "A" "A" "T" "G" "T" "T"
## [21313] "A" "C" "A" "A" "A" "A" "G" "A" "A" "A" "A" "T" "G" "A" "C" "T" "C" "T"
## [21367] "C" "A" "A" "C" " " "A" "A" "A" "G" "C" "T" "A" "G" "C" "T" "C" "T"
## [21385] "T" "G" "G" "A" "G" "G" "T" "T" "C" "G" "G" "T" "G" "G" "C" "T" "A" "T"
  [21403] "A" "A" "A" "G" "A" "T" "A" "A" "C" "A" "G" "A" "A" "C" "A" "T" "T" "C"
  [21421] "T" "T" "G" "G" "A" "A" "T" "G" "C" "T" "G" "A" "T" "C" "T" "T" "T" "A"
  [21439] "T" "A" "A" " " "G" "C" "T" "C" "A" "T" "G" "G" "G" "A" "C" "A" "C" "T"
## [21457] "T" "C" "G" "C" "A" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "C" "C" "T"
  [21475] "T" "T" "G" "T" "T" "A" "C" "T" "A" "A" "T" "G" "T" "G" "T" "G" "A" "A" "T" "G"
## [21493] "C" "G" "T" "C" "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "G" "C" "A" "T"
## [21511] "T" "T" " "T" "T" "A" "A" "T" "T" "G" "G" "A" "T" "G" "G" "A" "T" "A" "A" "T"
## [21529] "T" "A" "T" "C" "T" "T" "G" "G" "C" "A" "A" "A" "C" "C" "A" "C" "G" "C"
  [21547] "G" "A" "A" "C" "A" "A" "A" "A" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A" "T"
  [21565] "G" "T" "C" "A" "T" "G" "C" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "A" "C"
  [21583] "A" " "T" "A" "T" "T" "T" "T" "G" "G" "A" "G" "G" "A" "A" "T" "A" "C"
## [21601] "A" "A" "A" "T" "C" "C" "A" "A" "T" "T" "C" "A" "G" "T" "T" "G" "T" "C"
## [21637] "C" "A" "T" "G" "A" "G" "T" "A" "A" "A" "T" "T" "T" "C" "C" "C" "C" "T"
## [21655] " " "T" "A" "A" "A" "T" "T" "A" "A" "G" "G" "G" "G" "T" "A" "C" "T" "G"
## [21673] "C" "T" "G" "T" "T" "A" "T" "G" "T" "C" "T" "T" "T" "A" "A" "A" "A" "A" "G"
## [21691] "A" "A" "G" "G" "T" "C" "A" "A" "A" "T" "C" "A" "A" "T" "G" "A" "T" "A"
  ## [21727] "A" "G" "T" "A" "A" "A" "G" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "A"
  [21745] "A" "T" "T" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "A" "C" "A" "G" "A"
## [21763] "G" "T" "T" "G" "T" "T" "A" "T" "T" "C" "T" "A" "G" "T" "G" "A" "T"
## [21781] "G" "T" "T" "C" "T" "T" "G" "T" "T" "A" "A" "C" "A" "A" "C" "T" " " "A"
[21817] "T" "T" "C" "T" "T" "G" "T" "T" "T" "T" "A" "T" "T" "G" "C" "A" "C"
  [21835] "T" "A" "G" "T" "C" "T" "C" "T" "A" "G" "T" "C" "A" "G" "T" "G" "T" "G"
  [21853] "T" "T" "A" "A" "T" "C" "T" "T" "A" "T" "A" "A" "C" "C" "A" " " "G" "A"
## [21871] "A" "C" "T" "C" "A" "A" "T" "C" "A" "T" "A" "C" "A" "C" "T" "A" "A" "T"
## [21889] "T" "C" "T" "T" "T" "C" "A" "C" "A" "C" "G" "T" "G" "T" "G" "T" "T"
## [21907] "T" "A" "T" "T" "A" "C" "C" "C" "T" "G" "A" "C" "A" "A" "A" "G" "T" "T"
## [21925] "T" "T" "C" "A" "G" "A" "T" "C" "C" "T" "C" "A" "G" "T" " " "T" "T" "T"
## [21943] "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "C" "A" "G" "G" "A" "C" "T" "T"
## [21979] "C" "A" "A" "T" "G" "T" "T" "A" "C" "T" "T" "G" "G" "T" "T" "C" "C" "A"
## [21997] "T" "G" "C" "T" "A" "T" "A" "C" "A" "T" "G" "T" "C" " " "T" "C" " "T" "G"
## [22015] "G" "G" "A" "C" "C" "A" "A" "T" "G" "G" "T" "A" "C" "T" "A" "A" "G" "A"
## [22033] "G" "G" "T" "T" "T" "G" "A" "T" "A" "A" "C" "C" "C" "T" "G" "C" "C" "C"
## [22051] "T" "A" "C" "C" "A" "T" "T" "T" "A" "A" "T" "G" "A" "T" "G" "G" "T" "G"
## [22069] "T" "T" "A" "T" "T" "T" "T" "G" "C" "T" "T" " " "C" "C" "A" "C" "T"
  [22087] "G" "A" "G" "A" "A" "G" "T" "C" "T" "A" "A" "C" "A" "T" "A" "A" "T" "A"
## [22105] "A" "G" "A" "G" "G" "C" "T" "G" "G" "A" "T" "T" "T" "T" "T" "T" "G" "G" "T"
  [22123] "A" "C" "T" "A" "C" "T" "T" "T" "A" "G" "A" "T" "T" "C" "G" "A" "A" "A" "G"
## [22141] "A" "C" "C" "C" "A" "G" "T" "C" "C" "C" "T" " "A" "C" "T" "T" "A" "T"
         "T" "G" "T" "A" "A" "A" "T" "A" "A" "C" "G" "C" "T" "A" "C" "T" "A" "A"
## [22159]
## [22177] "T" "G" "T" "T" "G" "T" "T" "A" "T" "A" "A" "A" "G" "T" "C" "T" "G"
## [22195] "T" "G" "A" "A" "T" "T" "T" "C" "A" "A" "T" "T" "T" "T" "G" "T" "A" "A"
## [22213] "T" "G" "A" "T" "C" "C" "A" "T" "T" "T" "T" "T" "T" "G" "G" "A" "T" "G"
```

```
[22249] "A" "A" "A" "G" "T" "T" "G" "G" "A" "T" "G" "G" "A" "A" "A" "A" "G" "T" "G"
## [22267] "A" "G" "T" "T" "C" "A" "G" "A" "G" "T" "T" "T" "A" "T" "T" "C" "T" "A"
## [22285] "G" "T" "G" "C" "G" "A" "A" "T" "A" "T" "A" "T" "G" "C" "A" "C" "T"
## [22303] "T" "T" "T" "G" "A" "A" "T" "A" "T" "G" "T" "C" "T" "C" "T" "C" "A" "G"
## [22321] "C" "C" "T" "T" "T" "T" "C" "T" "T" "A" "T" "G" "G" "A" "C" "C" "T" "T"
## [22357] "T" "T" "C" "A" "A" "A" "A" "A" " " " "T" "C" "T" "T" "A" "G" "G" "G" "A"
## [22375] "A" "T" "T" "T" "G" "T" "G" "T" "T" "A" "A" "A" "G" "A" "A" "T" "A" "T"
[22411] "A" "T" "A" "T" "T" "C" "T" "A" "A" "G" "C" "A" "C" "A" "C" "G" "C" "C"
## [22447] "A" "T" "C" "T" "C" "C" "C" "T" "C" "A" "G" "G" "G" "T" "T" "T" "T" "T" "T"
## [22465] "C" "G" "G" "C" "T" "T" "T" "A" "G" "A" "A" "C" "C" "A" "T" "T" "G" "G"
## [22483] "T" "A" "G" "A" "T" "T" "T" "G" "C" "C" "A" "A" "T" "A" "G" "G" "T" "A"
## [22501] "T" "T" "A" "A" "C" "A" " "T" "C" "A" "C" "T" "A" "G" "G" "T" "T" "T"
  [22519] "C" "A" "A" "A" "C" "T" "T" "A" "C" "T" "T" "G" "C" "T" "T" "T" "A"
## [22537] "C" "A" "T" "A" "G" "A" "A" "G" "T" "T" "A" "T" "T" "T" "G" "A" "C" "T"
## [22555] "C" "C" "T" "G" "T" "T" "G" "A" "T" "T" "C" "T" "T" "C" "T" "T" "C" "A"
## [22573] "G" "G" "T" "T" "G" " " "G" "A" "C" "A" "G" "C" "T" "G" "G" "T" "G" "C"
## [22591] "T" "G" "C" "A" "G" "C" "T" "T" "A" "T" "A" "T" "A" "T" "G" "G" "G" "G"
## [22609] "T" "T" "A" "T" "C" "T" "T" "C" "A" "A" "C" "C" "T" "A" "G" "G" "A" "C"
## [22645] "T" "G" "A" "A" " " "A" "A" "T" "G" "G" "A" "A" "C" "C" "A" "T" "T" "A"
## [22663] "C" "A" "G" "A" "T" "G" "C" "T" "G" "T" "A" "G" "A" "C" "T" "G" "T" "G"
  [22681] "C" "A" "C" "T" "T" "G" "A" "C" "C" "C" "T" "C" "T" "C" "T" "C" "A" "G"
## [22699] "A" "A" "A" "C" "A" "A" "A" "G" "T" "G" "T" "A" "C" "G" "T" "T" "G" "A"
  [22717] "A" "A" "T" " " "C" "C" "T" "T" "C" "A" "C" "T" "G" "T" "A" "G" "A" "A"
## [22735] "A" "A" "A" "G" "G" "A" "A" "T" "C" "T" "A" "T" "C" "A" "A" "A" "C" "T"
## [22753] "T" "C" "T" "A" "A" "C" "T" "T" "T" "A" "G" "A" "G" "T" "C" "C" "A" "A"
## [22771] "C" "C" "A" "A" "C" "A" "G" "A" "G" "A" "T" "C" "T" "A" "T" "T" "G" "T" "T"
  [22789] "A" "G" " "A" "T" "T" "T" "C" "C" "T" "A" "A" "T" "A" "T" "A" "C"
## [22807] "A" "A" "A" "C" "T" "T" "G" "T" "G" "C" "C" "C" "T" "T" "T" "T" "T" "C" "A"
## [22825] "T" "G" "A" "A" "G" "T" "T" "T" "T" "A" "A" "C" "G" "C" "C" "A" "C"
## [22843] "C" "A" "C" "A" "T" "T" "T" "G" "C" "A" "T" "C" "T" "G" "T" "T" "T" "A"
## [22861] "T" " " "G" "C" "T" "T" "G" "G" "A" "A" "C" "A" "G" "G" "A" "A" "G" "A"
## [22879] "G" "A" "A" "T" "C" "A" "G" "C" "A" "A" "C" "T" "G" "T" "G" "T" "T" "G"
## [22897] "C" "T" "G" "A" "T" "T" "A" "T" "C" "T" "G" "T" "C" "A" "T" "A" "T"
## [22915] "A" "T" "A" "A" "T" "T" "T" "C" "G" "C" "A" "C" "C" "A" "T" "T" "T" "T" "T"
## [22933] " " "T" "C" "G" "C" "T" "T" "T" "T" "A" "A" "G" "T" "G" "T" "T" "A" "T"
## [22951] "G" "G" "A" "G" "T" "G" "T" "C" "T" "C" "T" "A" "A" "A" "A" "A"
## [22969] "T" "T" "A" "A" "A" "T" "G" "A" "T" "C" "T" "C" "T" "G" "T" "G" "T" "T" "T"
## [22987] "A" "C" "T" "A" "A" "T" "G" "T" "C" "T" "A" "T" "G" "C" "A" "G" "A" " "
## [23005] "T" "T" "C" "A" "T" "T" "T" "G" "T" "A" "A" "T" "T" "A" "G" "A" "G" "G"
## [23023] "T" "A" "A" "T" "G" "A" "A" "G" "T" "C" "A" "G" "C" "C" "A" "A" "A" "A" "T"
## [23041] "C" "G" "C" "T" "C" "C" "A" "G" "G" "G" "C" "A" "A" "A" "C" "T" "G" "G"
  [23059] "A" "A" "A" "T" "A" "T" "T" "G" "C" "T" "G" "A" "T" "T" "A" "T" " "A" "T" " "A"
  [23095] "A" "T" "T" "T" "T" "A" "C" "A" "G" "G" "C" "T" "G" "C" "G" "T" "T" "A"
## [23113] "T" "A" "G" "C" "T" "T" "G" "G" "A" "A" "T" "T" "C" "T" "A" "A" "C" "A"
  [23131] "A" "G" "C" "T" "T" "G" "A" "T" "C" "T" "A" "A" "A" "G" "C" " " "C" "T"
## [23167] "C" "T" "G" "T" "A" "T" "A" "G" "A" "T" "T" "G" "T" "T" "T" "A" "G" "G"
## [23185] "A" "A" "G" "T" "C" "T" "A" "A" "G" "C" "T" "C" "A" "A" "A" "C" "C" "T"
```

```
## [23203] "T" "T" "T" "G" "A" "G" "A" "G" "A" "G" "A" "T" "A" "T" " "T" "T" "C"
  [23221] "A" "A" "C" "T" "G" "A" "A" "A" "T" "C" "T" "A" "T" "C" "A" "G" "G" "G" "C"
  [23239] "C" "G" "G" "T" "A" "A" "C" "A" "A" "C" "C" "C" "T" "T" "G" "T" "A" "A"
  [23257] "T" "G" "G" "T" "G" "T" "T" "G" "C" "A" "G" "G" "T" "C" "C" "T" "A" "A"
## [23293] "A" "A" "T" "C" "A" "T" "A" "T" "G" "G" "T" "T" "T" "C" "C" "G" "A" "C"
## [23311] "C" "C" "A" "C" "T" "T" "A" "T" "G" "G" "T" "G" "T" "T" "G" "G" "T" "C"
## [23329] "A" "C" "C" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "G" "T" "A" "G"
  [23365] "C" "T" "T" "C" "T" "A" "C" "A" "T" "G" "C" "A" "C" "A" "G" "C" "A"
  [23383] "A" "C" "T" "G" "T" "T" "T" "G" "T" "G" "G" "A" "C" "C" "T" "A" "A" "A" "A"
## [23401] "A" "A" "G" "T" "C" "T" "A" "C" "T" "A" "A" "T" "T" "T" "G" "G" "T" "T"
## [23419] "A" "A" "A" "A" "A" "C" "A" "A" "A" "G" " " "T" "G" " T" "C" "A" "A"
## [23437] "T" "T" "C" "A" "A" "C" "T" "T" "C" "A" "A" "T" "G" "G" "T" "T" "T"
## [23455] "A" "A" "C" "A" "G" "G" "C" "A" "C" "A" "G" "G" "T" "G" "T" "T" "C" "T"
## [23473] "T" "A" "C" "T" "G" "A" "G" "T" "C" "T" "A" "A" "C" "A" "A" "A" "A" "A" "A"
  [23491]
         "G" "T" "T" "T" "C" "T" "G" "C" "C" "T" " " "T" "T" "C" "C" "A" "A" "C"
## [23509] "A" "A" "T" "T" "T" "G" "G" "C" "A" "G" "A" "G" "A" "C" "A" "T" "T" "G"
## [23527] "C" "T" "G" "A" "C" "A" "C" "T" "A" "C" "T" "G" "A" "T" "G" "C" "T" "G"
## [23545] "T" "C" "C" "G" "T" "G" "A" "T" "C" "C" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C"
## [23563] "T" "T" "G" "A" "G" "A" "T" "T" "C" " " "T" "T" "G" "A" "C" "A" "T" "T"
## [23581] "A" "C" "A" "C" "C" "A" "T" "G" "T" "T" "C" "T" "T" "T" "T" "T" "G" "G" "T"
## [23599] "G" "G" "T" "G" "T" "C" "A" "G" "T" "G" "T" "T" "A" "T" "A" "A" "C" "A"
## [23617] "C" "C" "A" "G" "G" "A" "A" "C" "A" "A" "A" "T" "A" "C" "T" "T" "C" "T"
## [23635] "A" "A" "C" "C" "A" "G" "G" "T" " " "T" "G" "C" "T" "G" "T" "T" "C" "T"
  [23653] "T" "T" "A" "T" "C" "A" "G" "G" "G" "T" "G" "T" "T" "A" "A" "C" "T" "G"
## [23671] "C" "A" "C" "A" "G" "A" "G" "T" "C" "C" "C" "T" "G" "T" "T" "G" "C"
  [23689] "T" "A" "T" "T" "C" "A" "T" "G" "C" "A" "G" "A" "T" "C" "A" "A" "C" "T"
## [23707] "T" "A" "C" "T" "C" "C" "T" " "A" "C" "T" "T" "G" "G" "C" "G" "T" "G"
## [23725] "T" "T" "A" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T" "T" "C" "T" "A"
## [23743] "A" "T" "G" "T" "T" "T" "T" "C" "A" "A" "A" "C" "A" "C" "G" "T" "G"
  [23761] "C" "A" "G" "G" "C" "T" "G" "T" "T" "A" "A" "A" "A" "A" "G" "G" "G" "G"
  [23779] "C" "T" "G" "A" "A" "T" " " "A" "T" "G" "T" "C" "A" "A" "C" "A" "A" "C"
## [23797] "T" "C" "A" "T" "A" "T" "G" "A" "G" "T" "G" "T" "G" "A" "C" "A" "T" "A"
## [23815] "C" "C" "C" "A" "T" "T" "G" "G" "T" "G" "C" "A" "G" "G" "T" "A" "T" "A"
## [23833] "T" "G" "C" "G" "C" "T" "A" "G" "T" "A" "T" "C" "A" "G" "A" "C" "T"
## [23851] "C" "A" "G" "A" "C" " " "T" "A" "A" "G" "T" "C" "T" "C" "A" "T" "C" "G"
## [23887] "T" "A" "G" "T" "C" "A" "A" "T" "C" "C" "A" "T" "C" "A" "T" "T" "T" "G" "C"
## [23905] "C" "T" "A" "C" "A" "C" "T" "A" "T" "G" "T" "C" "A" "C" "T" "T" "G" "G"
## [23923] "T" "G" "C" "A" " " "G" "A" "A" "A" "A" "T" "T" "C" "A" "G" "T" "T" "G"
## [23941] "C" "T" "T" "A" "C" "T" "C" "T" "A" "A" "T" "A" "A" "C" "T" "C" "T" "A"
## [23959] "T" "T" "G" "C" "C" "A" "T" "A" "C" "C" "C" "A" "A" "A" "A" "T" "T"
## [23977] "T" "T" "A" "C" "T" "A" "T" "T" "A" "G" "T" "G" "T" "T" "A" "C" "C" "A"
## [23995] "C" "A" "G" " "A" "A" "A" "T" "T" "C" "T" "A" "C" "C" "A" "G" "T" "G"
## [24013] "T" "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "G" "A" "C" "A" "T" "C" "A"
         "G" "T" "A" "G" "A" "T" "T" "G" "T" "A" "C" "A" "A" "T" "G" "T" "A" "C"
  [24031]
## [24049] "A" "T" "T" "G" "T" "G" "G" "T" "G" "A" "T" "T" "C" "A" "A" "C" "T"
  [24067] "G" "A" " " "A" "T" "G" "C" "A" "G" "C" "A" "A" "T" "C" "T" "T" "T" "T"
## [24085] "G" "T" "T" "G" "C" "A" "A" "T" "A" "T" "G" "G" "C" "A" "G" "T" "T" "T"
         "T" "T" "G" "T" "A" "C" "A" "C" "A" "A" "T" "T" "A" "A" "A" "A" "A" "C" "G"
  [24103]
## [24121] "T" "G" "C" "T" "T" "A" "A" "C" "T" "G" "G" "A" "A" "T" "A" "G" "C"
## [24157] "A" "C" "A" "C" "C" "C" "A" "A" "G" "A" "A" "G" "T" "T" "T" "T" "T" "T" "G"
```

```
## [24175] "C" "A" "C" "A" "A" "G" "T" "C" "A" "A" "A" "C" "A" "A" "A" "T" "T" "T"
  ## [24229] "A" "A" "T" "T" "T" "T" "T" "C" "A" "C" "A" "A" "A" "A" "A" "T" "A" "T" "A"
## [24247] "C" "C" "A" "G" "A" "T" "C" "C" "A" "T" "C" "A" "A" "A" "A" "A" "C" "C" "A"
## [24265] "A" "G" "C" "A" "A" "G" "A" "G" "C" "A" "T" "C" "A" "T" "T" "T" "A" "T" "
## [24283] "T" "G" "A" "A" "G" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "T" "C" "A" "A"
## [24301] "C" "A" "A" "G" "T" "G" "A" "C" "A" "C" "T" "T" "G" "C" "A" "G" "A"
  [24319] "T" "G" "C" "T" "G" "G" "C" "T" "T" "C" "A" "T" "C" "A" "A" "A" "A" "C" "A"
  [24337] "A" "T" "A" "T" "G" "G" "T" "G" "A" "T" "T" "G" "C" "C" "T" "T" " "G"
  [24355] "G" "T" "G" "A" "T" "A" "T" "T" "G" "C" "T" "G" "C" "T" "A" "G" "A" "G"
## [24373] "A" "C" "C" "T" "C" "A" "T" "T" "T" "G" "T" "G" "C" "A" "C" "A" "A" "A" "A"
## [24391] "A" "G" "T" "T" "T" "A" "A" "C" "G" "G" "C" "T" "T" "A" "C" "T" "G"
## [24409] "T" "T" "T" "T" "G" "C" "C" "A" "C" "C" "T" "T" "T" "G" "C" " " "T" "C"
## [24427] "A" "C" "A" "G" "A" "T" "G" "A" "A" "A" "T" "G" "A" "T" "T" "G" "C" "T"
## [24445] "C" "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "T" "G" "C" "A" "C" "T" "G"
  [24463]
          "T" "T" "A" "G" "C" "G" "G" "G" "T" "A" "C" "A" "A" "T" "C" "A" "C" "T"
## [24481] "T" "C" "T" "G" "G" "T" "T" "G" "G" "A" "C" "C" "T" "T" " " "T" "G" "G"
## [24499] "T" "G" "C" "A" "G" "G" "T" "G" "C" "T" "G" "C" "A" "T" "T" "A" "C" "A"
## [24517] "A" "A" "T" "A" "C" "C" "A" "T" "T" "T" "G" "C" "T" "A" "T" "G" "C" "A"
## [24535] "A" "A" "T" "G" "G" "C" "T" "T" "A" "T" "A" "G" "G" "T" "T" "T" "A" "A"
## [24553] "T" "G" "G" "T" "A" "T" "T" "G" "G" "A" "G" "T" "T" " " "A" "C" "A" "C"
## [24571] "A" "G" "A" "A" "T" "G" "T" "T" "C" "T" "C" "T" "A" "T" "G" "A" "G" "A"
## [24589] "A" "C" "C" "A" "A" "A" "A" "T" "T" "G" "A" "T" "T" "G" "C" "C" "A"
## [24607] "A" "C" "C" "A" "A" "T" "T" "T" "A" "A" "A" "G" "T" "G" "C" "T" "A"
  [24625] "T" "T" "G" "G" "C" "A" "A" "A" "A" "T" "T" "C" " " "A" "A" "G" "A" "C"
## [24643] "T" "C" "A" "C" "T" "T" "C" "T" "T" "C" "C" "A" "C" "A" "G" "C" "A"
## [24661] "A" "G" "T" "G" "C" "A" "C" "T" "T" "G" "G" "A" "A" "A" "A" "A" "C" "T" "T"
## [24679] "C" "A" "A" "G" "A" "T" "G" "T" "G" "T" "C" "A" "A" "C" "C" "A" "T"
## [24697] "A" "A" "T" "G" "C" "A" "C" "A" "A" "G" "C" " " "T" "T" "T" "A" "A" "A"
## [24715] "C" "A" "C" "G" "C" "T" "T" "G" "T" "T" "A" "A" "A" "C" "A" "A" "C" "T"
          "T" "A" "G" "C" "T" "C" "C" "A" "A" "A" "T" "T" "T" "G" "G" "T" "G" "C"
  [24733]
## [24751] "A" "A" "T" "T" "T" "C" "A" "A" "G" "T" "G" "T" "T" "T" "T" "A" "A" "A" "A"
## [24769] "T" "G" "A" "T" "A" "T" "C" "C" "T" "T" " " "T" "C" "A" "C" "G" "T" "C"
## [24787] "T" "T" "G" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "G" "C" "T" "G"
## [24805] "A" "A" "G" "T" "G" "C" "A" "A" "A" "T" "T" "G" "A" "T" "A" "G" "G" "T"
## [24823] "T" "G" "A" "T" "C" "A" "C" "A" "G" "G" "G" "A" "G" "A" "C" "T" "T" "C"
## [24841] "A" "A" "A" "G" "T" "T" "T" "G" "C" " " "A" "G" "A" "C" "A" "T" "A" "T"
## [24859] "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "A" "A" "T" "T" "A" "A" "T" "T"
## [24877] "A" "G" "A" "G" "C" "T" "G" "C" "A" "G" "A" "A" "A" "T" "C" "A" "G" "A"
## [24895] "G" "C" "T" "T" "C" "T" "G" "C" "T" "A" "A" "T" "C" "T" "T" "G" "C" "T"
## [24913] "G" "C" "T" "A" "C" "T" "A" "A" "A" "A" "T" "G" "T" "C" "A" "G" "A"
## [24931] "G" "T" "G" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "C" "A" "A" "T" "C"
## [24949] "A" "A" "A" "A" "A" "G" "A" "G" "T" "T" "G" "A" "T" "T" "T" "T" "T" "G"
## [24967] "T" "G" "G" "A" "A" "A" "G" "G" "G" "C" "T" "A" "T" "C" "A" "T" "C" "T"
## [24985] "T" "T" "T" "G" "T" "C" "C" " " "T" "T" "C" "C" "C" "T" "C" "A" "G" "T"
  [25003] "C" "A" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T" "G" "T" "A" "G"
  [25021] "T" "C" "T" "T" "C" "T" "T" "G" "C" "A" "T" "G" "T" "G" "T" "G" "T" "T"
  [25039] "A" "T" "G" "T" "C" "C" "C" "T" "G" "C" "A" "C" "A" "A" "A" "G" "A" "A" "A" "A"
## [25057] "A" "G" "A" "A" "C" "T" " "T" "C" "A" "C" "A" "A" "C" "T" "G" "C" "T"
          "C" "C" "T" "G" "C" "T" "A" "T" "T" "T" "G" "T" "C" "A" "T" "G" "A" "T"
  [25075]
## [25093] "G" "G" "A" "A" "A" "A" "G" "C" "A" "C" "A" "C" "T" "T" "T" "C" "C" "T"
## [25111] "C" "G" "T" "G" "A" "A" "G" "G" "T" "G" "T" "C" "T" "T" "T" "T" "G" "T" "T"
## [25129] "T" "C" "A" "A" "A" " " "T" "G" "G" "C" "A" "C" "A" "C" "A" "C" "T" "G"
```

```
## [25147] "G" "T" "T" "G" "T" "A" "A" "C" "A" "C" "A" "A" "A" "G" "G" "A" "A"
   [25183] "C" "A" "T" "T" "A" "C" "T" "A" "C" "A" "G" "A" "C" "A" "A" "C" "A" "C" "A" "C"
  [25201] "A" "T" "T" "T" " " "G" "T" "G" "T" "C" "T" "G" "G" "T" "A" "A" "A" "C" "T"
  [25219] "G" "T" "G" "A" "T" "G" "T" "G" "T" "A" "A" "T" "A" "G" "G" "A" "A"
## [25237] "T" "T" "G" "T" "C" "A" "A" "C" "A" "A" "C" "A" "C" "A" "G" "T" "T" "T"
## [25255] "A" "T" "G" "A" "T" "C" "C" "T" "T" "T" "G" "C" "A" "A" "C" "C" "T" "G"
## [25273] "A" "A" "T" " " "T" "A" "G" "A" "T" "T" "C" "A" "T" "T" "C" "A" "A" "G"
  [25291] "G" "A" "G" "G" "A" "G" "T" "T" "A" "G" "A" "T" "A" "A" "A" "A" "T" "A" "T"
  [25309] "T" "T" "A" "A" "A" "G" "A" "A" "T" "C" "A" "T" "A" "C" "A" "T" "C" "A"
  [25327] "C" "C" "A" "G" "A" "T" "G" "T" "T" "G" "A" "T" "T" "T" "A" "G" "G" "T"
## [25345] "G" "A" " " "C" "A" "T" "C" "T" "C" "T" "G" "G" "C" "A" "T" "T" "A" "A"
  [25363] "T" "G" "C" "T" "T" "C" "A" "G" "T" "T" "G" "T" "A" "A" "A" "A" "C" "A" "T"
## [25381] "T" "C" "A" "A" "A" "A" "G" "A" "A" "A" "T" "T" "G" "A" "C" "C" "G"
## [25399] "C" "C" "T" "C" "A" "A" "T" "G" "A" "G" "G" "T" "T" "G" "C" "C" "A" "A"
## [25417] "G" " "A" "A" "T" "T" "A" "A" "A" "T" "G" "A" "A" "T" "C" "T" "C"
  [25435] "T" "C" "A" "T" "C" "G" "A" "T" "C" "T" "C" "C" "A" "A" "A" "G" "A" "A" "C"
  [25453] "T" "T" "G" "G" "A" "A" "A" "G" "T" "A" "T" "G" "A" "G" "C" "A" "G" "T"
## [25471] "A" "T" "A" "T" "A" "A" "A" "A" "G" "G" "C" "C" "A" "T" "G" "G" "T"
## [25489] " " "A" "C" "A" "T" "T" "T" "G" "G" "C" "T" "A" "G" "G" "T" "T" "T" "T" "T"
## [25507] "A" "T" "A" "G" "C" "T" "G" "C" "T" "T" "G" "A" "T" "T" "G" "A" "T" "T" "G" "C" "C"
## [25525] "A" "T" "A" "G" "T" "A" "A" "T" "G" "G" "T" "G" "A" "C" "A" "A" "T" "T"
## [25543] "A" "T" "G" "C" "T" "T" "G" "C" "T" "G" "C" "T" "A" "T" "G" "A" "C" " "
## [25561] "C" "A" "G" "T" "T" "G" "C" "T" "G" "T" "A" "G" "T" "T" "G" "T" "C" "T"
## [25579] "C" "A" "A" "G" "G" "G" "C" "T" "G" "T" "T" "G" "T" "T" "C" "T" "T" "G"
  [25597] "T" "G" "G" "A" "T" "C" "C" "T" "G" "C" "T" "G" "C" "A" "A" "A" "T" "T"
## [25615] "T" "G" "A" "T" "G" "A" "A" "G" "A" "C" "G" "A" "C" "T" " "G"
  [25633] "A" "G" "C" "C" "A" "G" "T" "G" "C" "T" "C" "A" "A" "A" "A" "G" "G" "A" "G"
## [25651] "T" "C" "A" "A" "A" "T" "T" "A" "C" "A" "T" "T" "A" "C" "A" "C" "A" "T"
## [25669] "A" "A" "A" "C" "G" "A" "A" "C" "T" "T" "A" "T" "G" "G" "A" "T" "T" "T"
## [25687] "G" "T" "T" "A" "T" "G" "A" "G" "A" "A" "T" "C" "T" "T" " " "T" "A"
          "C" "A" "A" "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "A" "A" "C" "T" "T"
  [25705]
  [25723] "T" "G" "A" "A" "G" "C" "A" "A" "G" "G" "T" "G" "A" "A" "A" "A" "T" "C" "A"
  [25741] "A" "G" "G" "A" "T" "G" "C" "T" "A" "C" "T" "C" "T" "C" "T" "T" "C" "A" "G"
## [25759] "A" "T" "T" "T" "T" "G" "T" "T" "C" "G" "C" "G" "C" "T" " " "A" "C" "T"
## [25777] "G" "C" "A" "A" "C" "G" "A" "T" "A" "C" "G" "A" "T" "A" "C" "A" "A"
## [25795] "G" "C" "C" "T" "C" "A" "C" "T" "C" "C" "C" "T" "T" "T" "T" "C" "G" "G" "A"
## [25813] "T" "G" "G" "C" "T" "T" "A" "T" "G" "T" "T" "G" "G" "C" "G" "C" "G" "T" "T"
## [25831] "G" "C" "A" "C" "T" "T" "C" "T" "T" "G" "C" "T" "G" " " "T" "T" "T" "T"
  [25849] "T" "C" "A" "G" "A" "G" "C" "G" "C" "T" "T" "C" "C" "A" "A" "A" "A" "A" "T"
##
## [25867] "C" "A" "T" "A" "A" "C" "T" "C" "T" "C" "A" "A" "A" "A" "A" "A" "G" "A" "G"
## [25885] "A" "T" "G" "G" "C" "A" "A" "C" "T" "A" "G" "C" "A" "C" "T" "C" "T" "C"
## [25903] "C" "A" "A" "G" "G" "G" "T" "G" "T" "T" "C" "A" " " "C" "T" "T" "T" "G"
## [25921] "T" "T" "G" "C" "A" "A" "C" "T" "T" "G" "C" "T" "G" "T" "T" "G" "T"
## [25939] "T" "G" "T" "T" "T" "G" "T" "A" "A" "C" "A" "G" "T" "T" "T" "A" "C" "T"
## [25957] "C" "A" "C" "A" "C" "C" "T" "T" "T" "T" "G" "C" "T" "C" "G" "T" "T" "G"
   [25975] "C" "T" "G" "C" "T" "G" "G" "C" "C" "T" "T" " " "G" "A" "A" "G" "C" "C"
  [25993] "C" "C" "T" "T" "T" "T" "C" "T" "C" "T" "A" "T" "C" "T" "A" "T"
  [26011] "G" "C" "T" "T" "T" "A" "G" "T" "C" "T" "A" "C" "T" "T" "C" "T" "T" "G"
  [26029] "C" "A" "G" "A" "G" "T" "A" "T" "A" "A" "A" "C" "T" "T" "T" "G" "T" "A"
          "A" "G" "A" "A" "T" "A" "A" "T" "A" "A" " "T" "G" "A" "G" "G" "G" "C" "T"
  [26047]
## [26065] "T" "T" "G" "G" "C" "T" "T" "G" "C" "T" "G" "G" "A" "A" "A" "T" "G"
## [26101] "A" "C" "T" "T" "T" "A" "T" "G" "A" "T" "G" "C" "C" "A" "A" "C" "T" "A"
```

```
## [26119] "T" "T" "T" "T" "C" "T" "T" "T" "G" " "C" "T" "G" "G" "C" "A" "T" "A"
   [26137] "C" "T" "A" "A" "T" "T" "G" "T" "T" "A" "C" "G" "A" "C" "T" "A" "T" "T"
  [26155] "G" "T" "A" "T" "A" "C" "C" "T" "T" "A" "C" "A" "A" "T" "A" "G" "T" "G"
  [26173] "T" "A" "A" "C" "T" "T" "C" "T" "T" "C" "A" "A" "A" "T" "T" "G" "T" "C" "A"
  [26191] "T" "T" "A" "C" "T" "T" "C" "A" " " "G" "G" "T" "G" "A" "T" "G" "G" "C"
## [26209] "A" "C" "A" "A" "C" "A" "A" "G" "T" "C" "C" "T" "A" "T" "T" "T" "T" "C" "T"
## [26227] "G" "A" "A" "C" "A" "T" "G" "A" "C" "T" "A" "C" "C" "A" "G" "A" "T" "T"
## [26245] "G" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "T" "G" "A" "A" "A" "A" "A"
  [26263] "T" "G" "G" "G" "A" "A" "T" " "C" "T" "G" "G" "A" "G" "T" "A" "A" "A" "A"
  [26281] "A" "G" "A" "C" "T" "G" "T" "G" "T" "G" "T" "A" "T" "T" "A" "C" "A"
  [26299] "C" "A" "G" "T" "T" "A" "C" "T" "T" "C" "A" "C" "T" "T" "C" "A" "G" "A"
## [26317] "C" "T" "A" "T" "T" "A" "C" "C" "A" "G" "C" "T" "G" "T" "A" "C" "T" "C"
  [26335] "A" "A" "C" "T" "C" "A" " "A" "T" "T" "G" "A" "G" "A" "G"
## [26353] "A" "C" "A" "T" "T" "G" "G" "T" "G" "T" "T" "G" "A" "A" "C" "A" "T" "G"
## [26371] "T" "T" "A" "C" "C" "T" "T" "C" "T" "T" "C" "A" "T" "C" "T" "A" "C" "A"
## [26389] "A" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "G" "A" "T" "G" "A" "G" "C"
  [26407] "C" "T" "G" "A" "A" " " "G" "A" "A" "C" "A" "T" "G" "T" "C" "C" "A" "A"
  [26425] "A" "T" "T" "C" "A" "C" "A" "C" "A" "A" "T" "C" "G" "A" "C" "G" "G" "T"
  [26443] "T" "C" "A" "T" "C" "C" "G" "G" "A" "G" "T" "T" "G" "T" "T" "A" "A" "T"
## [26461] "C" "C" "A" "G" "T" "A" "A" "T" "G" "G" "A" "A" "C" "C" "A" "A" "T" "T"
## [26479] "T" "A" "T" "G" " " "A" "T" "G" "A" "A" "C" "C" "G" "A" "C" "G" "A" "C"
## [26497] "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "G" "T" "G" "C" "C" "T" "T" "T"
## [26515] "G" "T" "A" "A" "G" "C" "A" "C" "A" "G" "C" "T" "G" "A" "T" "G" "A"
## [26533] "G" "T" "A" "C" "G" "A" "A" "C" "T" "T" "A" "T" "G" "T" "A" "C" "T" "C"
## [26551] "A" "T" "T" " " "C" "G" "T" "T" "T" "C" "G" "G" "A" "A" "G" "A" "G" "A"
  [26569] "T" "A" "G" "G" "T" "G" "C" "G" "T" "T" "A" "A" "T" "A" "G" "T" "T" "A"
## [26587] "A" "T" "A" "G" "C" "G" "T" "A" "C" "T" "T" "C" "T" "T" "T" "T" "T" "C"
  [26605] "T" "T" "G" "C" "T" "T" "T" "C" "G" "T" "G" "G" "T" "A" "T" "T" "C" "T"
## [26623] "T" "G" " "C" "T" "A" "G" "T" "T" "A" "C" "A" "C" "T" "A" "G" "C" "C"
## [26641] "A" "T" "C" "C" "T" "T" "A" "C" "T" "G" "C" "G" "C" "T" "T" "C" "G" "A"
## [26659] "T" "T" "G" "T" "G" "T" "G" "C" "G" "T" "A" "C" "T" "G" "C" "T" "G" "C"
  [26677] "A" "A" "T" "A" "T" "T" "G" "T" "A" "A" "A" "C" "G" "T" "G" "A" "G" "T"
  [26695] "C" " "T" "T" "G" "T" "A" "A" "A" "A" "C" "C" "T" "T" "C" "T" "T" "T"
  [26713] "T" "T" "A" "C" "G" "T" "T" "A" "C" "T" "C" "T" "C" "T" "C" "T"
## [26731] "T" "A" "A" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T" "C" "T" "T" "C"
## [26749] "T" "A" "G" "A" "G" "T" "T" "C" "C" "T" "G" "A" "T" "C" "T" "T" "C" "T"
## [26767] " " "G" "G" "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "C" "T" "A" "A" "A" "A"
## [26785] "T" "A" "T" "T" "A" "T" "A" "T" "A" "G" "T" "T" "T" "T" "T" "C" "T"
## [26803] "G" "T" "T" "T" "G" "G" "A" "A" "C" "T" "T" "T" "A" "A" "T" "T" "T" "T"
  [26821] "A" "G" "C" "C" "A" "T" "G" "G" "C" "A" "G" "A" "T" "T" "C" "C" "A" " "
##
  [26839] "A" "C" "G" "G" "T" "A" "C" "T" "A" "T" "A" "C" "T" "A" "C" "G" "G" "T" "T" "G"
## [26857] "A" "A" "G" "A" "G" "C" "T" "T" "A" "A" "A" "A" "A" "G" "C" "T" "C" "C"
## [26893] "T" "A" "A" "T" "A" "G" "G" "T" "T" "T" "C" "C" "T" "A" "T" "T" " "C"
## [26911] "C" "T" "T" "A" "C" "A" "T" "G" "G" "A" "T" "T" "T" "T" "G" "T" "C" "T" "T"
## [26929] "C" "T" "A" "C" "A" "A" "T" "T" "T" "G" "C" "C" "T" "A" "T" "G" "C" "C"
          "A" "A" "C" "A" "G" "G" "A" "A" "T" "A" "G" "G" "T" "T" "T" "T" "T" "G"
   [26947]
  [26983] "T" "T" "C" "C" "T" "C" "T" "G" "C" "T" "G" "T" "G" "T" "T" "A" "T" "G"
## [27001] "G" "C" "C" "A" "G" "T" "A" "A" "C" "T" "T" "A" "A" "C" "T" "T" "G"
          "T" "T" "T" "T" "G" "T" "G" "C" "T" "T" "G" "C" "T" "G" "C" "T" "G" "T"
  [27019]
## [27037] "T" "T" "A" "C" "A" "G" "A" "A" "T" "A" "A" "A" "T" "T" " " "G" "G" "A"
## [27055] "T" "C" "A" "C" "C" "G" "G" "T" "G" "G" "A" "A" "T" "T" "G" "C" "T" "A"
## [27073] "T" "C" "G" "C" "A" "A" "T" "G" "C" "T" "T" "G" "T" "T" "G"
```

```
## [27091] "T" "A" "G" "G" "C" "T" "T" "G" "A" "T" "G" "T" "G" "G" "C" "T" "C" "A"
  [27109] "G" "C" "T" "A" "C" "T" "T" "C" "A" "T" "T" "G" "C" " " " "T" "T" "C" "T"
## [27127] "T" "T" "C" "A" "G" "A" "C" "T" "G" "T" "T" "T" "G" "C" "G" "C" "G" "T"
## [27145] "A" "C" "G" "C" "G" "T" "T" "C" "C" "A" "T" "G" "T" "G" "G" "T" "C" "A"
## [27163] "T" "T" "A" "A" "T" "C" "C" "A" "G" "A" "A" "A" "C" "T" "A" "A" "C"
## [27181] "A" "T" "T" "C" "T" "C" "T" "C" "A" "A" "C" " " "G" "T" "G" "C" "C"
## [27199] "A" "C" "T" "C" "C" "A" "T" "G" "G" "C" "A" "C" "T" "A" "T" "T" "C" "T"
## [27217] "G" "A" "C" "C" "A" "G" "A" "C" "C" "G" "T" "T" "T" "C" "T" "A" "G" "A"
## [27235] "A" "A" "G" "T" "G" "A" "A" "C" "T" "C" "G" "T" "A" "A" "T" "C" "G" "G"
## [27253] "A" "G" "C" "T" "G" "T" "G" "A" "T" "C" "C" " " "T" "T" "C" "G" "T" "G"
## [27271] "G" "A" "C" "A" "T" "C" "T" "T" "C" "G" "T" "A" "T" "T" "G" "C" "T" "G"
## [27289] "G" "A" "C" "A" "C" "C" "A" "T" "C" "T" "A" "G" "G" "A" "C" "G" "C" "T"
## [27307] "G" "T" "G" "A" "C" "A" "T" "C" "A" "A" "G" "G" "A" "C" "C" "T" "G" "C"
## [27325] "C" "T" "A" "A" "A" "G" "A" "A" "A" "T" " "C" "A" "C" "T" "G" "T" "T"
## [27343] "G" "C" "T" "A" "C" "A" "T" "C" "A" "C" "G" "A" "A" "C" "G" "C" "T" "T"
## [27361] "T" "C" "T" "T" "A" "T" "A" "C" "A" "A" "A" "T" "T" "G" "G" "G" "A"
## [27379] "G" "C" "T" "T" "C" "G" "C" "A" "G" "C" "G" "T" "G" "T" "A" "G" "C" "A"
## [27397] "G" "G" "T" "G" "A" "C" "T" "C" "A" " " "G" "G" "T" "T" "T" "T" "T" "G" "C"
## [27415] "T" "G" "C" "A" "T" "A" "C" "A" "G" "T" "C" "G" "C" "T" "A" "C" "A" "G"
## [27433] "G" "A" "T" "T" "G" "G" "C" "A" "A" "C" "T" "A" "T" "A" "A" "A" "A" "T" "T"
## [27451] "A" "A" "A" "C" "A" "C" "A" "G" "A" "C" "A" "T" "T" "C" "C" "A" "G"
## [27469] "T" "A" "G" "C" "A" "G" "T" "G" " " "A" "C" "A" "A" "T" "A" "T" "T" "G"
## [27487] "C" "T" "T" "T" "G" "C" "T" "T" "G" "T" "A" "C" "A" "G" "T" "A" "A" "G"
## [27505] "T" "G" "A" "C" "A" "A" "C" "A" "G" "A" "T" "G" "T" "T" "T" "T" "C" "A" "T"
## [27523] "C" "T" "C" "G" "T" "T" "G" "A" "C" "T" "T" "T" "T" "C" "A" "G" "G" "T" "T"
## [27541] "A" "C" "T" "A" "T" "A" "G" " " "C" "A" "G" "A" "G" "A" "T" "A" "T" "A" "T" "T"
## [27559] "A" "C" "T" "A" "A" "T" "T" "A" "T" "G" "C" "G" "G" "A" "C"
## [27577] "T" "T" "T" "A" "A" "A" "G" "T" "T" "T" "C" "C" "A" "T" "T" "T" "G"
## [27595] "G" "A" "A" "T" "C" "T" "T" "G" "A" "T" "T" "A" "C" "A" "T" "C" "A" "T"
## [27631] "A" "T" "T" "A" "A" "T" "C" "T" "A" "A" "G" "T" "C" "A" "C" "T" "A" "A"
         [27649]
## [27667] "A" "A" "T" "T" "A" "G" "A" "T" "G" "A" "A" "G" "A" "G" "C" "A" "A" "C"
## [27685] "C" "A" "A" "T" "G" " " "G" "A" "G" "A" "T" "T" "C" "T" "C" "T" "A" "A"
## [27703] "A" "C" "G" "A" "A" "C" "A" "T" "G" "A" "A" "A" "A" "T" "T" "A" "T" "T"
## [27721] "C" "T" "T" "T" "T" "C" "T" "T" "G" "G" "G" "C" "A" "C" "T" "G" "A" "T" "A"
## [27739] "A" "C" "A" "C" "T" "C" "G" "C" "T" "A" "C" "T" "T" "G" "T" "G" "A" "G"
## [27775] "G" "T" "G" "T" "G" "T" "A" "G" "A" "G" "G" "T" "A" "C" "A" "A" "C"
## [27793] "A" "G" "T" "A" "C" "T" "T" "T" "T" "A" "A" "A" "A" "G" "A" "A" "C" "C"
## [27811] "T" "T" "G" "C" "C" "C" "T" "T" "C" "T" "G" "G" "A" "A" "C" "A" "T" "A"
## [27829] "C" "G" "A" " " "G" "G" "G" "C" "A" "A" "T" "T" "C" "A" "C" "C" "A" "T"
## [27847] "T" "T" "C" "A" "T" "C" "C" "T" "C" "T" "A" "G" "C" "T" "G" "A" "T" "A"
## [27865] "A" "C" "A" "A" "A" "T" "T" "T" "G" "C" "A" "C" "T" "G" "A" "C" "T" "T"
## [27883] "G" "C" "T" "T" "T" "A" "G" "C" "A" "C" "T" "C" "A" "A" "T" "T" "T" "G"
## [27901] "C" "T" " "T" "T" "T" "G" "C" "T" "T" "G" "T" "C" "C" "T" "G" "A" "C"
  [27919] "G" "G" "C" "G" "T" "A" "A" "A" "A" "C" "A" "C" "G" "T" "C" "T" "A" "T"
## [27937] "C" "A" "G" "T" "T" "A" "C" "G" "T" "G" "C" "A" "G" "A" "T" "C" "A"
  [27955] "G" "T" "T" "T" "C" "A" "C" "C" "T" "A" "A" "A" "A" "C" "T" "G" "T" "T" "C"
"T" "C" "A" "A" "G" "A" "A" "C" "T" "T" "T" "A" "C" "T" "C" "T" "C" "C"
## [27991]
## [28009] "A" "A" "T" "T" "T" "T" "T" "C" "T" "T" "A" "T" "T" "G" "T" "T" "G" "C"
## [28027] "G" "G" "C" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T" "A" "T" "A" "A" "C"
## [28045] " " "A" "C" "T" "T" "T" "G" "C" "T" "T" "C" "A" "C" "A" "C" "T" "C" "A"
```

```
## [28063] "A" "A" "A" "G" "A" "A" "G" "A" "C" "A" "G" "A" "T" "G" "A" "T"
   [28081] "T" "G" "A" "A" "C" "T" "T" "T" "C" "A" "T" "T" "A" "A" "A" "T" "T" "G" "A"
  [28117] "T" "A" "G" "C" "C" "T" "T" "T" "C" "T" "G" "T" "T" "A" "T" "T" "C" "C"
  [28135] "T" "T" "G" "T" "T" "T" "T" "A" "A" "T" "T" "A" "T" "G" "C" "T" "T" "A"
  [28153] "T" "T" "A" "T" "C" "T" "T" "T" "T" "G" "G" "T" "T" "C" "T" "C" "A" "C"
##
## [28171] "T" "T" "G" "A" "A" "C" "T" "G" "C" "A" "A" "G" "A" "T" "C" "A" " "T"
## [28189] "A" "A" "T" "G" "A" "A" "A" "C" "T" "T" "G" "T" "C" "A" "C" "G" "C" "C"
  [28207] "T" "A" "A" "A" "C" "G" "A" "A" "C" "G" "A" "T" "G" "A" "A" "A" "A" "T" "T"
  [28225] "C" "T" "T" "G" "T" "T" "T" "T" "C" "T" "T" "A" "T" "G" "A" "A" "T" "C"
  [28243] "A" "T" "C" "A" "C" "A" "A" "C" "T" "G" "T" "A" "G" "C" "T" " "G" "C"
## [28261] "A" "T" "T" "T" "C" "A" "C" "C" "A" "A" "G" "A" "A" "T" "G" "T" "A" "G"
## [28279] "T" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T" "A" "C" "T" "C" "A"
## [28297] "A" "C" "A" "T" "C" "A" "A" "C" "C" "A" "T" "A" "T" "G" "T" "A" "G" "T"
## [28315] "T" "G" "A" "T" "G" "A" "C" "C" "C" "G" "T" "G" "T" "C" " " "C" "T" "A"
## [28333] "T" "T" "C" "A" "C" "T" "T" "C" "T" "A" "T" "T" "C" "T" "A" "A" "A" "A" "T"
  [28351]
          "G" "G" "T" "A" "T" "A" "T" "T" "A" "G" "A" "G" "T" "A" "G" "G" "A" "G"
## [28369] "C" "T" "A" "G" "A" "A" "A" "T" "C" "A" "G" "C" "A" "C" "C" "T" "T"
## [28387] "T" "A" "A" "T" "T" "G" "A" "A" "T" "T" "G" "T" "G" " T" "C" "G" "T" "G"
## [28405] "G" "A" "T" "G" "A" "G" "G" "C" "T" "G" "G" "T" "T" "C" "T" "A" "A" "A"
## [28423] "T" "C" "A" "C" "C" "C" "A" "T" "T" "C" "A" "G" "T" "A" "C" "A" "T" "C"
## [28441] "G" "A" "T" "A" "T" "C" "G" "G" "T" "A" "A" "T" "T" "A" "T" "A" "C" "A"
## [28459] "G" "T" "T" "T" "C" "C" "T" "G" "T" "T" "T" "A" " " "C" "C" "T" "T" "T"
## [28477] "T" "A" "C" "A" "A" "T" "T" "A" "A" "T" "T" "G" "C" "C" "A" "G" "G" "A"
## [28495] "A" "C" "C" "T" "A" "A" "A" "T" "T" "G" "G" "G" "T" "A" "G" "T" "C" "T"
  [28513] "T" "G" "T" "A" "G" "T" "G" "C" "G" "T" "T" "G" "T" "T" "C" "G" "T" "T"
## [28531] "C" "T" "A" "T" "G" "A" "A" "G" "A" "C" "T" " " "T" "T" "T" "T" "A" "G"
## [28549] "A" "G" "T" "A" "T" "C" "A" "T" "G" "A" "C" "G" "T" "T" "C" "G" "T" "G"
## [28567] "T" "T" "G" "T" "T" "T" "T" "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "A" "T" "C" "T"
## [28585] "A" "A" "A" "C" "G" "A" "A" "C" "A" "A" "C" "T" "T" "A" "A" "A" "T"
## [28603] "G" "T" "C" "T" "G" "A" "T" "A" "A" "T" " " "G" "G" "A" "C" "C" "C" "C"
          "A" "A" "A" "A" "T" "C" "A" "G" "C" "G" "A" "A" "A" "T" "G" "C" "A" "C"
  [28621]
  [28639] "T" "C" "C" "G" "C" "A" "T" "T" "A" "C" "G" "T" "T" "T" "G" "G" "T" "G"
## [28657] "G" "A" "C" "C" "C" "T" "C" "A" "G" "A" "T" "T" "C" "A" "A" "C" "T" "G"
## [28675] "G" "C" "A" "G" "T" "A" "A" "C" "C" " " "A" "G" "A" "A" "T" "G" "G" "T"
## [28693] "G" "G" "G" "C" "G" "C" "G" "A" "T" "C" "A" "A" "A" "A" "A" "C" "A" "A"
## [28711] "C" "G" "T" "C" "G" "G" "C" "C" "C" "C" "A" "A" "G" "G" "T" "T" "T" "A"
## [28729] "C" "C" "A" "A" "A" "T" "A" "A" "T" "A" "C" "T" "G" "C" "G" "T" "C" "T"
## [28747] "T" "G" "G" "T" "T" "C" "A" "C" " " "C" "G" "C" "T" "C" "T" "C" "A" "C"
  ##
## [28783] "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "C" "T" "C" "G" "A" "G" "G"
## [28801] "A" "C" "A" "A" "G" "G" "C" "G" "T" "T" "C" "C" "A" "A" "T" "T" "A" "A"
## [28819] "C" "A" "C" "C" "A" "A" "T" " " "A" "G" "C" "A" "G" "T" "C" "C" "A" "G"
## [28837] "A" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T" "G" "G" "C" "T" "A" "C" "T"
## [28855] "A" "C" "C" "G" "A" "A" "G" "A" "G" "C" "T" "A" "C" "C" "A" "G" "A" "C"
## [28873] "G" "A" "A" "T" "T" "C" "G" "T" "G" "G" "T" "G" "G" "T" "G" "A" "C" "G"
          "G" "T" "A" "A" "A" "A" "A" "T" "G" "A" "A" "A" "G" "A" "T" "C" "T" "C"
  [28891]
  [28909] "A" "G" "T" "C" "C" "A" "A" "G" "A" "T" "G" "G" "T" "A" "T" "T" "C"
  [28927] "T" "A" "C" "T" "A" "C" "C" "T" "A" "G" "G" "A" "A" "C" "T" "G" "G" "G"
## [28945] "C" "C" "A" "G" "A" "A" "G" "C" "T" "G" "G" "A" "C" "T" "T" "C" "C" "C"
          [28963]
## [28981] "C" "G" "G" "C" "A" "T" "C" "A" "T" "A" "T" "G" "G" "G" "T" "T" "G" "C"
## [28999] "A" "A" "C" "T" "G" "A" "G" "G" "G" "G" "C" "C" "T" "T" "G" "A" "A"
## [29017] "T" "A" "C" "A" "C" "C" "A" "A" "A" "A" "G" "A" "T" "C" "A" "C" "A" "T"
```

```
## [29035] "T" "G" "G" "C" " "A" "C" "C" "G" "C" "A" "A" "T" "C" "C" "T" "G"
   [29053] "C" "T" "A" "A" "C" "A" "A" "T" "G" "C" "T" "G" "C" "A" "A" "T" "C" "G"
  [29071] "T" "G" "C" "T" "A" "C" "A" "A" "C" "T" "T" "C" "C" "T" "C" "A" "A" "G"
## [29089] "G" "A" "A" "C" "A" "A" "C" "A" "T" "T" "G" "C" "C" "A" "A" "A" "A" "G"
## [29107] "G" "C" "T" " "T" "C" "T" "A" "C" "G" "C" "A" "G" "A" "A" "G" "G" "G"
## [29125] "A" "G" "C" "A" "G" "A" "G" "G" "C" "G" "G" "C" "A" "G" "T" "C" "A" "A"
## [29143] "G" "C" "C" "T" "C" "T" "C" "T" "C" "G" "T" "T" "C" "G" "T" "C" "C" "T" "C" "A"
## [29161] "T" "C" "A" "C" "G" "T" "A" "G" "T" "C" "G" "C" "A" "A" "C" "A" "G" "T"
  [29179] "T" "C" " "A" "A" "G" "A" "A" "A" "T" "T" "C" "A" "A" "A" "C" "T" "C" "C"
  [29197] "A" "G" "G" "C" "A" "G" "C" "A" "G" "T" "A" "A" "A" "A" "C" "G" "A" "A" "C"
  [29215] "T" "T" "C" "T" "C" "C" "T" "G" "C" "T" "A" "G" "A" "A" "T" "G" "G" "C"
## [29233] "T" "G" "G" "C" "A" "A" "T" "G" "G" "C" "G" "G" "T" "G" "A" "T" "G" "C"
  [29251] "T" " "G" "C" "T" "C" "T" "G" "C" "T" "T" "T" "G" "C" "T" "T" "G" "C"
## [29269] "T" "G" "C" "T" "T" "G" "A" "C" "A" "G" "A" "T" "T" "G" "A" "A" "C" "C"
## [29287] "A" "G" "C" "T" "T" "G" "A" "G" "A" "G" "C" "A" "A" "A" "A" "A" "T" "G" "T"
## [29305] "C" "T" "G" "G" "T" "A" "A" "G" "G" "C" "C" "A" "A" "C" "A" "A" "C"
  [29323] " " "A" "A" "C" "A" "A" "G" "G" "C" "C" "A" "A" "A" "A" "C" "T" "C"
## [29341] "A" "C" "T" "A" "A" "G" "A" "A" "A" "T" "C" "T" "G" "C" "T" "G" "C" "T"
## [29359] "G" "A" "G" "G" "C" "T" "T" "C" "T" "A" "A" "G" "A" "A" "G" "C" "C" "T"
## [29377] "C" "G" "G" "C" "A" "A" "A" "A" "A" "C" "G" "T" "A" "C" "T" "G" "C" "
## [29395] "C" "A" "C" "T" "A" "A" "A" "G" "C" "A" "T" "A" "C" "A" "A" "T" "G" "T"
## [29413] "A" "A" "C" "A" "C" "A" "A" "G" "C" "T" "T" "T" "C" "G" "G" "C" "A" "G"
## [29431] "A" "C" "G" "T" "G" "G" "T" "C" "C" "A" "G" "A" "A" "C" "A" "A" "A" "A" "C"
## [29449] "C" "C" "A" "A" "G" "G" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" " " " "G"
## [29467] "A" "C" "C" "A" "G" "G" "A" "A" "C" "T" "A" "A" "T" "C" "A" "G" "A" "C"
  [29485] "A" "A" "G" "G" "A" "A" "C" "T" "G" "A" "T" "T" "A" "C" "A" "A" "A" "C"
## [29503] "A" "T" "T" "G" "G" "C" "C" "G" "C" "A" "A" "A" "T" "T" "G" "C" "A" "C"
  [29521] "A" "A" "T" "T" "T" "G" "C" "C" "C" "C" "C" "A" "G" "C" "G" " "C" "T"
## [29539] "T" "C" "A" "G" "C" "G" "T" "T" "C" "T" "T" "C" "G" "G" "A" "A" "T" "G"
## [29557] "T" "C" "G" "C" "G" "C" "A" "T" "T" "G" "G" "C" "A" "T" "G" "G" "A" "A"
## [29575] "G" "T" "C" "A" "C" "A" "C" "C" "T" "T" "C" "G" "G" "G" "A" "A" "C" "G"
          "T" "G" "G" "T" "T" "G" "A" "C" "C" "T" "A" "C" "A" "C" " " " "A" "G" " "G"
  [29593]
## [29611] "T" "G" "C" "C" "A" "T" "C" "A" "A" "A" "T" "T" "G" "G" "A" "T" "G" "A"
## [29629] "C" "A" "A" "A" "G" "A" "T" "C" "C" "A" "A" "A" "T" "T" "T" "T" "C" "A" "A"
## [29647] "A" "G" "A" "T" "C" "A" "A" "G" "T" "C" "A" "T" "T" "T" "T" "T" "G" "C" "T"
## [29665] "G" "A" "A" "T" "A" "A" "G" "C" "A" "T" "A" "T" "T" " " "G" "A" "C" "G"
## [29683] "C" "A" "T" "A" "C" "A" "A" "A" "A" "C" "A" "T" "T" "C" "C" "C" "A" "C"
## [29701] "C" "A" "A" "C" "A" "G" "A" "G" "C" "T" "A" "A" "A" "A" "A" "A" "G" "G"
## [29737] "A" "T" "G" "A" "A" "A" "C" "T" "C" "A" "A" "G" " " "C" "C" "T" "T" "A"
## [29773] "C" "A" "G" "C" "A" "A" "A" "C" "T" "G" "T" "G" "A" "C" "T" "C" "T" "T"
## [29791] "C" "T" "T" "C" "C" "T" "G" "C" "T" "G" "C" "A" "G" "A" "T" "T" "T" "T" "G"
## [29809] "G" "A" "T" "G" "A" "T" "T" "C" "T" "C" " " "C" "A" "A" "A" "A" "C" "A"
## [29827] "A" "T" "T" "G" "C" "A" "A" "C" "A" "A" "T" "C" "C" "A" "T" "G" "A" "G"
## [29845] "C" "C" "G" "T" "G" "C" "T" "G" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A"
          "G" "G" "C" "C" "T" "A" "A" "A" "C" "T" "C" "A" "T" "G" "C" "A" "G" "A"
  [29863]
  [29899] "G" "C" "T" "A" "T" "A" "T" "A" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G"
## [29917] "C" "T" "T" "T" "T" "C" "C" "G" "T" "T" "A" "C" "G" "A" "T" "A" "T"
          "A" "T" "A" "G" "T" "C" "T" "A" "C" "T" "C" "T" "T" "G" "T" "G" "T" "G" "C" "A"
  [29935]
## [29953] "G" "A" "A" "T" "G" "A" "A" "T" "T" " " "C" "T" "C" "G" "T" "A" "A" "C"
## [29971] "T" "A" "C" "A" "T" "A" "G" "C" "A" "C" "A" "A" "G" "T" "A" "G" "A" "T"
## [29989] "G" "T" "A" "G" "T" "T" "A" "A" "C" "T" "T" "T" "A" "A" "T" "C" "T" "C"
```

```
## [30007] "A" "C" "A" "T" "A" "G" "C" "A" "A" "T" "C" "T" "T" "T" "A" "A" "T" "C"
## [30025] "A" "G" "T" "G" "T" "G" "T" "A" " " "A" "C" "A" "T" "T" "A" "G" "G" "G"
## [30043] "A" "G" "G" "A" "C" "T" "T" "G" "A" "A" "A" "G" "A" "G" "C" "C" "A" "C"
## [30061] "C" "A" "C" "A" "T" "T" "T" "T" "C" "A" "C" "C" " "
print(paste("Longitud de secuencia"))
## [1] "Longitud de secuencia"
lengthActual
## [1] 30073
print(paste("Porcentaje de GC en secuencia"))
## [1] "Porcentaje de GC en secuencia"
percentageGC_Actual
## [1] "GC : 37.3856948092974%"
print(paste("Porcentaje de Bases en secuencia"))
## [1] "Porcentaje de Bases en secuencia"
percentageBasesActual
## [1] 29.87723 18.32501 19.59660 32.20116
print("Secuencia al reves")
## [1] "Secuencia al reves"
print(reverseActual)
      [1] " " "C" "C" "A" "C" "T" "T" "T" "T" "A" "C" "A" "C" "C" "A" "C" "C" "G"
     [19] "A" "G" "A" "A" "A" "G" "T" "T" "C" "A" "G" "G" "A" "G" "G" "G" "A" "T"
     [37] "T" "A" "C" "A" " " "A" "T" "G" "T" "G" "T" "G" "A" "C" "T" "A" "A" "T"
##
     [55] "T" "T" "C" "T" "A" "A" "C" "G" "A" "T" "A" "C" "A" "C" "T" "C" "T" "A"
##
     [73] "A" "T" "T" "T" "C" "A" "A" "T" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T"
##
     [91] "G" "A" "A" "C" "A" "C" "G" "A" "T" "A" "C" "A" "T" "C" "A" "A" "T" "G"
    [109] "C" "T" "C" " " "T" "T" "A" "A" "G" "T" "A" "A" "G" "A" "C" "G" "T" "G"
##
    [127] "T" "T" "C" "T" "C" "A" "T" "C" "T" "G" "A" "T" "A" "T" "A" "T" "A" "T" "A" "G"
##
    [145] "C" "A" "T" "T" "T" "G" "C" "C" "T" "T" "T" "T" "C" "G" "C" "T" "T" "T"
##
    [163] "T" "G" "C" "A" "A" "A" "T" "A" "T" "A" "T" "C" "G" "G" "G" "T" "A" "G"
##
    [181] "A" "C" " " "G" "G" "A" "A" "C" "A" "C" "A" "C" "A" "G" "A" "C" "G"
##
    [199] "T" "A" "C" "T" "C" "A" "A" "A" "T" "C" "C" "G" "G" "A" "C" "T" "C" "A"
##
    [217] "A" "C" "T" "C" "A" "G" "T" "C" "G" "T" "G" "C" "C" "G" "A" "G" "T" "A"
##
    [235] "C" "C" "T" "A" "A" "C" "A" "A" "C" "G" "T" "T" "A" "A" "C" "A" "A" "A" "A"
##
    [253] "C" " " "C" "T" "C" "T" "T" "T" "A" "G" "T" "A" "G" "G" "T" "T" "T" "A"
##
    [271] "G" "A" "C" "G" "T" "C" "G" "T" "C" "C" "T" "T" "C" "T" "T" "C" "T" "C"
##
    ##
    [307] "A" "G" "A" "C" "A" "G" "A" "G" "A" "C" "G" "C" "C" "A" "T" "T" "C" "C"
##
    [325] " " "G" "A" "A" "C" "T" "C" "A" "A" "A" "G" "T" "A" "G" "T" "C" "G" "G"
##
    ##
##
    [379] "T" "T" "A" "C" "A" "A" "A" "A" "C" "A" "T" "A" "C" "G" "C" "A" "G" " "
##
    [397] "T" "T" "A" "T" "A" "C" "G" "A" "A" "T" "A" "A" "G" "T" "C" "G" "T" "T"
##
    [415] "T" "T" "A" "C" "T" "G" "A" "A" "C" "T" "A" "G" "A" "A" "A" "C" "T" "T"
##
    [433] "T" "A" "A" "A" "C" "C" "T" "A" "G" "A" "A" "A" "C" "A" "G" "T" "A" "G"
##
```

```
[451] "G" "T" "T" "A" "A" "A" "C" "T" "A" "C" "C" "G" "T" "G" "G" "A" " " "C"
##
     [469] "A" "C" "A" "T" "C" "C" "A" "G" "T" "T" "G" "G" "T" "G" "C" "A" "A" "G"
##
     [487] "G" "G" "C" "T" "T" "C" "C" "A" "C" "A" "C" "T" "G" "A" "A" "G" "G" "T"
##
##
     [505] "A" "C" "G" "G" "T" "T" "A" "C" "G" "C" "G" "C" "T" "G" "T" "A" "A" "G"
     [523] "G" "C" "T" "T" "C" "T" "T" "G" "C" "G" "A" "C" "T" "T" "C" " " "G" "C"
##
     [541] "G" "A" "C" "C" "C" "C" "C" "G" "T" "T" "T" "A" "A" "C" "A" "C" "G" "T"
##
     [559] "T" "A" "A" "A" "C" "G" "C" "C" "G" "G" "T" "T" "A" "C" "A" "A" "A" "C"
##
     [577] "A" "T" "T" "A" "G" "T" "C" "A" "A" "G" "G" "A" "A" "C" "A" "G" "A" "C"
##
     [595] "T" "A" "A" "T" "C" "A" "A" "G" "G" "A" "C" "C" "A" "G" " " "G" "G" "G" "G"
##
     [613] "T" "T" "T" "T" "A" "A" "A" "G" "G" "A" "A" "C" "C" "C" "A" "A" "A" "C"
##
     [631] "A" "A" "G" "A" "C" "C" "T" "G" "G" "T" "G" "C" "A" "G" "A" "C" "G" "G"
     [649] "C" "T" "T" "T" "C" "G" "A" "A" "C" "A" "C" "A" "A" "T" "G" "T" "A" "A"
##
     [667] "C" "A" "T" "A" "C" "G" "A" "A" "A" "T" "C" "A" "C" " " "C" "G" "T" "C"
##
     [685] "A" "T" "G" "C" "A" "A" "A" "A" "A" "C" "G" "G" "C" "T" "C" "C" "G" "A"
##
##
     [703] "A" "G" "A" "A" "T" "C" "T" "T" "C" "G" "G" "A" "G" "T" "C" "G" "T" "C"
     [721] "G" "T" "C" "T" "A" "A" "A" "G" "A" "A" "T" "C" "A" "C" "T" "G" "T" "C"
##
##
     [757] "A" "C" "C" "G" "G" "A" "A" "A" "T" "G" "G" "T" "C" "T" "G" "T" "A" "A"
##
     [775] "A" "A" "C" "G" "A" "G" "A" "G" "T" "T" "C" "G" "A" "C" "C" "A" "A" "G"
##
     [793] "T" "T" "A" "G" "A" "C" "A" "G" "T" "T" "C" "G" "T" "C" "G" "T" "C" "G"
##
     [811] "T" "T" "T" "C" "G" "T" "T" "C" "T" "C" "G" " " " "T" "C" "G" "T" "A" "G"
##
     [829] "T" "G" "G" "C" "G" "G" "T" "A" "A" "C" "G" "G" "T" "C" "G" "G" "T" "A"
##
     [847] "A" "G" "A" "T" "C" "G" "T" "C" "C" "T" "C" "T" "T" "C" "A" "A" "G" "C"
##
     [865] "A" "A" "A" "T" "G" "A" "C" "G" "A" "C" "G" "A" "C" "C" "T" "C" "A"
##
     [883] "A" "C" "T" "T" "A" "A" "A" "G" "A" "A" " " " "C" "T" "T" "G" "A" "C" "A"
##
     [901] "A" "C" "G" "C" "T" "G" "A" "T" "G" "C" "A" "C" "T" "A" "C" "T" "A" "C" "T" "C" "C"
     [919] "T" "T" "G" "C" "T" "C" "T" "C" "T" "C" "C" "G" "A" "A" "C" "T" "G"
##
     [937] "A" "C" "G" "G" "C" "G" "G" "A" "G" "A" "C" "G" "A" "G" "G" "G" "A" "A"
##
     [955] "G" "A" "C" "G" "C" "A" "T" "C" "T" " "T" "C" "G" "G" "A" "A" "A" "A" "A"
##
     [973] "C" "C" "G" "T" "T" "A" "C" "A" "A" "C" "A" "A" "G" "G" "A" "A" "C" "T"
     [991] "C" "C" "T" "T" "C" "A" "A" "T" "C" "G" "T" "G" "C" "T" "A" "A"
##
##
    [1009] "C" "G" "T" "C" "G" "T" "A" "A" "C" "A" "A" "T" "C" "G" "T" "C" "C" "T"
    [1027] "A" "A" "C" "G" "C" "C" "C" "A" " " "C" "G" "G" "T" "T" "A" "C" "A" "C"
    [1045] "T" "A" "G" "A" "A" "A" "A" "C" "C" "A" "C" "A" "T" "A" "A" "A" "G" "T" "T"
    [1063] "C" "C" "G" "A" "G" "G" "G" "A" "G" "T" "C" "A" "A" "C" "G" "T" "T" "G"
##
    [1081] "G" "G" "T" "A" "T" "A" "C" "T" "A" "C" "G" "G" "C" "A" "G" "A" "A" "A"
##
    [1099] "C" "A" "A" "T" "C" "G" "T" " "G" "G" "T" "A" "T" "C" "C" "C" "T" "T"
##
##
    [1117] "C" "A" "G" "G" "T" "C" "G" "A" "A" "G" "A" "C" "C" "G" "G" "G" "G" "T" "C"
    [1135] "A" "A" "G" "G" "A" "T" "C" "C" "A" "T" "C" "A" "T" "C" "T" "T" "T" "A"
##
    [1153] "T" "G" "G" "T" "A" "G" "A" "A" "C" "C" "T" "G" "A" "C" "T" "C" "T" "A"
##
    [1171] "G" "A" "A" "A" "G" "T" " " "A" "A" "A" "A" "T" "G" "G" "C" "A" "G" "T"
    [1189] "G" "G" "T" "G" "G" "T" "G" "C" "T" "T" "A" "A" "G" "C" "A" "G" "A" "C"
##
    [1207] "C" "A" "T" "C" "G" "A" "G" "A" "A" "G" "C" "C" "A" "T" "C" "A" "T" "C"
##
    [1225] "G" "G" "T" "T" "A" "A" "A" "C" "C" "A" "G" "T" "A" "G" "A" "C" "C" "T"
    [1243] "G" "A" "C" "G" "A" " "T" "A" "A" "C" "C" "A" "C" "A" "A" "T" "T" "A"
    [1261] "A" "C" "C" "T" "T" "G" "C" "G" "G" "A" "A" "C" "A" "G" "G" "A" "G" "C"
##
    [1279] "T" "C" "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "A" "G" "A" "A" "A" "G"
##
    [1297] "G" "A" "A" "C" "G" "G" "T" "A" "C" "A" "A" "C" "T" "C" "A" "C" "T" "C"
##
    [1315] "T" "C" "G" "C" " " "C" "A" "C" "T" "T" "G" "G" "T" "T" "C" "T" "G" "C"
    [1333] "G" "T" "C" "A" "T" "A" "A" "T" "A" "A" "C" "C" "C" "A" "T" "T" "T" "G"
##
    [1351] "G" "A" "A" "C" "C" "C" "C" "G" "G" "C" "T" "G" "C" "A" "A" "A" "A" "A"
##
    [1369] "A" "A" "C" "T" "A" "G" "C" "G" "C" "G" "G" "G" "G" "T" "G" "G" "T" "A"
##
    [1387] "A" "G" "A" " "C" "C" "A" "A" "T" "G" "A" "C" "G" "G" "T" "C" "A" "A"
##
    [1405] "C" "T" "T" "A" "G" "A" "C" "T" "C" "C" "C" "A" "G" "G" "T" "G" "G" "T"
##
```

```
[1423] "T" "T" "G" "C" "A" "T" "T" "A" "C" "G" "C" "C" "T" "C" "A" "C" "G" "T"
    [1441] "A" "A" "A" "G" "C" "G" "A" "C" "T" "A" "A" "A" "A" "C" "C" "C" "C" "A"
##
    [1459] "G" "G" " " "T" "A" "A" "T" "A" "G" "T" "C" "T" "G" "T" "A" "A" "A" "T"
    [1477] "T" "C" "A" "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A" "T" "C" "T" "A" "C"
    [1495] "T" "T" "T" "A" "G" "A" "T" "T" "T" "T" "G" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T"
    [1513] "T" "G" "C" "A" "G" "T" "A" "C" "T" "A" "T" "G" "A" "G" "A" "T" "T" "T"
##
    [1531] "T" " " "T" "C" "A" "G" "A" "A" "G" "T" "A" "T" "C" "T" "T" "G" "C" "T"
    [1549] "T" "G" "T" "T" "G" "C" "G" "T" "G" "A" "T" "G" "T" "T" "C" "T" "G" "A"
##
    [1567] "T" "G" "G" "G" "T" "T" "A" "A" "A" "T" "C" "C" "A" "A" "A" "G" "G" "A" "C"
    [1585] "C" "G" "T" "T" "A" "A" "T" "T" "A" "A" "C" "A" "T" "T" "T" "T" "T" "C" "C"
##
    [1603] " " "A" "T" "T" "T" "G" "T" "C" "C" "T" "T" "T" "G" "A" "C" "A" "T" "A"
    [1621] "T" "T" "A" "A" "T" "G" "G" "C" "T" "A" "T" "A" "G" "C" "T" "A" "C" "A"
##
    [1639] "T" "G" "A" "C" "T" "T" "A" "C" "C" "C" "A" "C" "T" "A" "A" "A" "A" "T" "C"
    [1657] "T" "T" "G" "G" "T" "C" "G" "G" "A" "G" "T" "A" "G" "G" "T" "G" "C" " "
##
    [1675] "G" "T" "G" "T" "T" "A" "A" "G" "T" "T" "A" "A" "T" "T" "T" "T" "C" "C" "A"
    [1693] "C" "G" "A" "C" "T" "A" "A" "A" "A" "G" "A" "T" "C" "G" "A" "G" "A" "G" "A"
##
##
    [1711] "T" "G" "A" "G" "A" "T" "T" "A" "T" "A" "T" "G" "G" "T" "A" "A" "A" "T"
    [1729] "C" "T" "T" "A" "T" "C" "T" "T" "C" "A" "C" "T" "T" "A" "T" "C" " " "C"
##
    [1747] "T" "G" "T" "G" "C" "C" "A" "G" "T" "A" "G" "T" "T" "G" "A" "T" "G"
    [1765] "T" "A" "T" "A" "C" "C" "A" "A" "C" "T" "A" "C" "A" "A" "C" "T" "C" "A"
##
    [1783] "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "T" "T" "G" "A" "T" "G" "A"
##
    [1801] "A" "A" "G" "A" "A" "C" "C" "A" "C" "T" "T" "T" "A" "C" "G" " " "T" "C"
    [1819] "G" "A" "T" "G" "T" "C" "A" "A" "C" "A" "C" "T" "A" "C" "T" "A" "A" "G"
##
    [1837] "T" "A" "T" "T" "C" "T" "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "A" "A"
    [1855] "A" "G" "T" "A" "C" "A" "A" "G" "C" "A" "A" "A" "T" "C" "C" "C" "G" "C" "A"
##
    [1873] "C" "T" "G" "T" "T" "C" "A" "A" "A" "G" "T" "A" "A" "T" " " "A" "C" "T"
    [1891] "A" "G" "A" "A" "C" "G" "T" "C" "A" "A" "G" "T" "T" "C" "A" "C" "T" "C"
    [1909] "T" "T" "G" "G" "T" "T" "T" "T" "C" "T" "A" "T" "T" "A" "T" "T" "T" "C" "G"
    ##
    [1945] "T" "T" "G" "T" "C" "T" "T" "T" "C" "C" "G" "A" "T" " " "T" "T" "T" "T"
    [1963] "C" "G" "T" "G" "T" "T" "T" "A" "T" "C" "T" "T" "C" "A" "G" "T" "T" "A"
##
          "A" "T" "T" "A" "C" "T" "T" "T" "C" "A" "A" "G" "T" "T" "A" "G" "T" "A"
##
    Γ1981]
    ##
    [2017] "C" "A" "C" "T" "T" "C" "G" "T" "T" "T" "C" "A" " " "C" "A" "A" "T" "A"
    [2035] "T" "T" "T" "G" "T" "G" "A" "T" "A" "A" "C" "G" "G" "C" "G" "T" "T" "G"
##
    [2053] "T" "T" "A" "T" "T" "C" "T" "T" "T" "T" "A" "A" "A" "C" "C" "T" "C" "T"
##
    [2071] "C" "A" "T" "T" "T" "C" "A" "A" "G" "A" "A" "C" "T" "T" "G" "A" "A" "G"
##
##
    [2089] "G" "A" "G" "A" "A" "C" "A" "G" "A" "C" "T" " " "A" "C" "T" "T" "G" "T"
    [2107] "C" "A" "A" "A" "T" "C" "C" "A" "C" "T" "T" "T" "G" "A" "C" "T" "A" "G"
##
    [2125] "A" "C" "C" "G" "T" "G" "C" "A" "T" "T" "G" "A" "C" "T" "A" "T" "C" "T"
##
    [2143] "G" "C" "A" "C" "A" "A" "A" "A" "T" "G" "C" "G" "G" "C" "A" "G" "T" "C"
    [2161] "C" "T" "G" "T" "T" "C" "G" "T" "T" "T" " "T" "C" "G" "T" "T" "A"
    [2179] "A" "C" "T" "C" "A" "C" "G" "A" "T" "T" "T" "C" "G" "T" "T" "C" "A" "G"
##
    [2197] "T" "C" "A" "C" "G" "T" "T" "T" "A" "A" "A" "C" "A" "A" "T" "A" "G" "T"
    [2215] "C" "G" "A" "T" "C" "T" "C" "C" "T" "A" "C" "T" "T" "T" "A" "C" "C" "A"
    [2233] "C" "T" "T" "A" "A" "C" "G" "G" "G" "G" "A" "G" "C" "A" "T" "A" "C" "A"
##
    [2251] "A" "G" "G" "T" "C" "T" "T" "C" "C" "C" "G" "T" "T" "C" "C" "A" "A" "G"
##
    [2269] "A" "A" "A" "A" "T" "T" "T" "T" "C" "A" "T" "G" "A" "C" "A" "A" "C" "A"
##
    [2287] "T" "G" "G" "A" "G" "A" "T" "T" "G" "T" "G" "T" "G" "A" "G" "A" "G" "A" "A" "C"
    [2305] "C" "A" "T" "C" "A" "C" "T" "A" " "T" "T" "T" "C" "G" "A" "G" "T" "G"
##
          "T" "T" "C" "A" "T" "C" "G" "C" "T" "C" "A" "C" "A" "A" "T" "A" "G" "T"
##
    Γ23231
    ##
    [2359] "A" "A" "A" "A" "G" "T" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A" "T" "C" "T"
##
    [2377] "C" "T" "T" "A" "G" "A" "G" " " "G" "T" "A" "A" "C" "C" "A" "A" "C" "G"
##
```

```
[2395] "A" "G" "A" "A" "G" "T" "A" "G" "A" "T" "T" "A" "A" "C" "T" "C" "T" "T"
   [2413] "A" "T" "A" "A" "A" "T" "A" "A" "G" "A" "G" "T" "C" "A" "A" "A" "T" "C" "A"
##
   ##
   [2449] "T" "A" "A" "T" "A" "C" " " "T" "C" "C" "A" "A" "A" "A" "T" "A" "C" "T" "A"
##
   [2467] "C" "A" "T" "T" "A" "G" "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "T" "A"
##
   [2485] "C" "C" "T" "T" "T" "G" "A" "A" "A" "T" "T" "T" "T" "C" "A" "G" "G" "C"
   [2503] "G" "T" "A" "T" "T" "A" "T" "A" "A" "T" "C" "A" "T" "T" "A" "A" "T" "A"
   [2521] "G" "A" "G" "A" "C" " " "G" "A" "T" "A" "T" "C" "A" "T" "T" "G" "G" "A"
##
   [2539] "C" "T" "T" "T" "C" "A" "G" "T" "T" "G" "C" "T" "C" "T" "A" "C" "T" "T"
##
   [2557] "T" "G" "T" "A" "G" "A" "C" "A" "A" "C" "A" "G" "T" "G" "A" "A" "T" "G"
##
   [2575] "A" "C" "A" "T" "G" "T" "T" "C" "G" "T" "T" "T" "C" "G" "T" "T" "T" "A" "T"
   [2593] "A" "A" "C" "A" " "G" "T" "G" "A" "C" "G" "A" "T" "G" "A" "C" "C" "T"
##
   [2629] "T" "A" "T" "C" "A" "A" "C" "G" "G" "T" "T" "A" "G" "G" "A" "C" "A" "T"
##
##
   [2647] "C" "G" "C" "T" "G" "A" "C" "A" "T" "A" "C" "G" "T" "C" "G" "T" "T" "T"
   [2665] "T" "G" "G" " " "A" "C" "T" "C" "A" "G" "T" "G" "G" "A" "C" "G" "A" "T"
##
##
   [2683]
         "G" "T" "G" "C" "G" "A" "C" "G" "C" "T" "T" "C" "G" "A" "G" "G" "G" "T"
   [2701] "T" "A" "A" "A" "C" "A" "T" "T" "A" "T" "T" "C" "T" "T" "T" "C" "G" "C"
##
   [2719] "A" "A" "G" "C" "A" "C" "A" "C" "A" "T" "C" "G" "T" "T" "G" "T" "C"
##
   [2737] "A" "C" " "T" "A" "A" "A" "G" "A" "A" "A" "T" "C" "C" "G" "T" "C" "C"
##
   [2755] "A" "G" "G" "A" "A" "C" "T" "A" "C" "A" "G" "T" "G" "T" "C" "G" "C" "A"
##
   [2773] "G" "G" "A" "T" "C" "T" "A" "C" "C" "A" "C" "A" "G" "G" "T" "C" "G" "T"
##
   [2791] "T" "A" "T" "G" "C" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T" "G" "C" "T"
##
   [2809] "T" " "C" "C" "T" "A" "G" "T" "G" "T" "C" "G" "A" "G" "G" "C" "T" "A"
##
   [2827] "A" "T" "G" "C" "T" "C" "A" "A" "G" "T" "G" "A" "A" "A" "A" "G" "A" "T" "C"
##
   [2845] "T" "T" "C" "G" "C" "C" "A" "G" "A" "C" "C" "A" "G" "T" "C" "T" "T" "A"
   [2863] "T" "C" "A" "C" "G" "G" "T" "A" "C" "C" "T" "C" "A" "C" "C" "G" "T" "G"
##
   [2881] " " "C" "A" "A" "C" "T" "C" "T" "T" "C" "T" "T" "A" "C" "A" "A" "T" "C"
   [2899] "A" "A" "A" "G" "A" "C" "C" "T" "A" "A" "T" "T" "T" "A" "C" "T" "G" "G"
##
   [2917] "T" "G" "T" "A" "C" "C" "T" "T" "G" "C" "G" "C" "A" "T" "G" "C" "G" "C"
   ##
         "C" "G" "T" "T" "A" "C" "T" "T" "C" "A" "T" "C" "G" "A" "C" "T" "C" "G"
##
   [2953]
   [2971] "G" "T" "G" "T" "A" "G" "T" "T" "C" "G" "G" "A" "T" "G" "T" "T" "C" "T"
##
   [2989] "G" "T" "T" "C" "G" "G" "T" "A" "A" "C" "G" "C" "T" "A" "T" "C" "G" "T"
##
   [3007] "T" "A" "A" "G" "G" "T" "G" "G" "C" "C" "A" "C" "T" "A" "G" "G" " " " "T"
##
   [3025] "T" "A" "A" "A" "T" "A" "A" "G" "A" "C" "A" "T" "T" "T" "G" "T" "C" "G"
##
   ##
##
   [3061] "A" "T" "T" "T" "C" "A" "A" "T" "G" "A" "C" "C" "G" "G" "T" "A" "T" "T"
   [3079] "G" "T" "C" "G" "G" "T" "C" "T" "C" "T" "T" "T" "T" "T" "A" " " "A" "T"
##
   [3097] "T" "G" "A" "A" "T" "T" "A" "A" "T" "A" "T" "A" "T" "G" "T" "T" "T" "T"
##
   [3115] "T" "G" "G" "A" "T" "A" "A" "G" "G" "A" "C" "A" "A" "C" "C" "G" "T" "A"
   [3133] "T" "C" "C" "G" "T" "T" "T" "A" "A" "C" "A" "T" "C" "T" "T" "C" "T" "G"
##
   [3151] "T" "T" "T" "A" "G" "G" "T" "A" "C" "A" "T" "T" "C" "C" " " " "T" "T" "A"
##
   [3169] "T" "C" "C" "T" "T" "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "C" "C"
   [3187] "A" "A" "G" "G" "T" "A" "A" "G" "A" "A" "G" "T" "T" "C" "C" "T" "C" "G"
   [3205] "A" "A" "A" "A" "A" "T" "T" "C" "G" "A" "G" "A" "A" "G" "T" "T" "G" "C"
##
   [3223] "C" "A" "T" "T" "A" "T" "C" "A" "T" "G" "G" "C" "A" " " "A" "C" "C" "T"
##
   [3241] "T" "A" "G" "A" "C" "G" "G" "T" "A" "C" "C" "G" "A" "T" "T" "T" "T" "A"
##
   [3259] "A" "T" "T" "T" "C" "A" "A" "G" "G" "T" "T" "T" "G" "T" "C" "T" "T" "T"
   ##
   [3295] "A" "A" "G" "C" "A" "A" "A" "T" "C" "T" "G" "G" " " "T" "C" "T" "C"
##
   [3313] "T" "A" "G" "T" "C" "C" "T" "T" "G" "A" "G" "A" "T" "C" "T" "T" "C" "T"
##
   [3331] "T" "A" "A" "G" "T" "C" "T" "A" "A" "A" "A" "A" "T" "T" "G" "T" "G" "C"
##
   ##
```

```
[3367] "T" "C" "C" "A" "A" "A" "A" "T" "G" "T" "T" " " "C" "T" "G" "A" "G" "T"
    [3385] "G" "C" "A" "A" "T" "T" "G" "T" "T" "A" "T" "A" "A" "C" "G" "T" "C" "G"
##
    [3403] "T" "C" "A" "T" "G" "C" "G" "T" "G" "T" "G" "T" "T" "A" "G" "C" "T" "T"
##
    [3421] "C" "G" "C" "G" "T" "C" "A" "T" "T" "C" "C" "T" "A" "C" "C" "C" "G" "A" "T"
    [3439] "C" "A" "C" "A" "T" "T" "G" "A" "T" "C" " " "G" "T" "T" "C" "T" "T" "A"
    [3457] "T" "G" "G" "T" "G" "C" "T" "T" "T" "C" "G" "T" "T" "C" "T" "T" "T" "T"
##
    [3475] "T" "C" "T" "T" "C" "A" "T" "G" "C" "G" "A" "T" "A" "A" "A" "T" "T" "G" "A"
    [3493] "T" "A" "A" "T" "T" "G" "C" "G" "T" "G" "G" "A" "T" "A" "G" "A" "G" "A"
##
    [3511] "A" "G" "G" "C" "T" "T" "T" "G" "C" " " "T" "T" "A" "C" "T" "C" "A" "T"
##
    [3529] "G" "T" "A" "T" "T" "C" "A" "A" "G" "C" "A" "T" "G" "A" "G" "A" "G" "A" "G"
    [3547] "T" "C" "G" "A" "A" "C" "A" "C" "G" "A" "A" "T" "G" "T" "T" "T" "C" "C"
    [3565] "G" "T" "G" "C" "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "G" "C" "A"
##
    [3583] "G" "C" "C" "A" "A" "G" "T" "A" " " "G" "T" "A" "T" "T" "T" "T" "A" "A" "C"
    [3601] "C" "A" "A" "G" "G" "T" "A" "A" "T" "G" "A" "C" "C" "T" "A" "A" "T" "T"
##
    [3619] "G" "T" "T" "G" "A" "G" "G" "C" "C" "T" "A" "C" "T" "T" "G" "G" "C" "A"
    [3637] "G" "C" "T" "A" "A" "C" "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "C" "C" "T"
##
##
    [3655]
          "G" "T" "A" "C" "A" "A" "G" " " "A" "A" "G" "T" "C" "C" "G" "A" "G" "T"
    [3673] "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "A" "A" "C" "A" "T" "C"
    [3691] "T" "A" "C" "T" "T" "C" "T" "T" "C" "A" "T" "T" "G" "T" "A" "C" "A"
    [3709] "A" "G" "T" "T" "G" "T" "G" "G" "T" "T" "A" "C" "A" "G" "A" "C" "A" "T"
##
    [3727] "G" "A" "G" "T" "T" "A" " " "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "T"
##
    [3745] "G" "T" "C" "G" "A" "C" "C" "A" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T"
    [3763] "T" "C" "A" "C" "T" "T" "C" "A" "T" "T" "G" "A" "C" "A" "C" "A" "T" "T"
##
    [3781] "A" "T" "G" "T" "T" "G" "T" "G" "T" "C" "A" "G" "A" "A" "A" "A" "A" "T" "G"
##
    [3799] "A" "G" "G" "T" "C" " " "T" "A" "A" "G" "G" "G" "T" "A" "A" "A" "A" "A" "A"
##
    [3817] "G" "T" "C" "A" "T" "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "G" "A"
    [3835] "C" "C" "A" "T" "C" "A" "G" "T" "A" "C" "A" "A" "G" "T" "C" "T" "T" "T"
##
    [3853] "A" "T" "C" "C" "T" "G" "A" "A" "C" "A" "A" "C" "A" "C" "G" "G" "T" "A"
    [3871] "G" "T" "G" "G" " " "A" "C" "T" "T" "C" "A" "T" "T" "A" "C" "T" "G" "T"
##
    [3889] "T" "A" "A" "C" "T" "T" "C" "T" "T" "C" "A" "A" "T" "G" "T" "G" "A" "T"
    [3907] "A" "A" "C" "A" "T" "T" "C" "C" "A" "T" "A" "T" "G" "T" "T" "A" "T" "C"
##
          "A" "G" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "C" "A" "T" "A" "T" "A" "C" "G"
##
    [3925]
    [3943] "G" "T" "C" " " "G" "T" "T" "T" "C" "T" "T" "T" "T" "A" "T" "C" "A" "A"
##
    [3961] "C" "C" "G" "T" "A" "G" "T" "A" "T" "T" "T" "C" "A" "T" "T" "A" "C" "C"
    [3979] "C" "A" "A" "A" "A" "A" "C" "C" "T" "T" "G" "C" "C" "G" "T" "A" "A" "A" "A"
##
    [3997] "G" "G" "T" "C" "G" "T" "T" "T" "C" "G" "G" "T" "T" "T" "C" "G" "A"
##
    [4015] "G" "T" " " "A" "A" "T" "A" "A" "T" "A" "G" "A" "T" "G" "T" "T"
##
##
    [4033] "T" "C" "A" "A" "A" "T" "A" "T" "G" "A" "G" "A" "C" "G" "T" "T" "C" "T"
    [4051] "T" "C" "A" "T" "C" "T" "G" "A" "T" "T" "T" "C" "G" "T" "A" "T" "T" "T"
##
    ##
    [4087] "G" " " "T" "T" "C" "C" "G" "G" "T" "C" "G" "T" "C" "G" "T" "T" "C" "G" "T" "T" "G" "C"
    [4105] "T" "C" "G" "T" "T" "T" "T" "C" "C" "A" "C" "A" "C" "T" "C" "A" "T" "T"
##
    [4141] "T" "C" "G" "T" "T" "C" "A" "A" "C" "G" "T" "T" "T" "G" "T" "T" "T" "C"
##
    [4159] " "A" "C" "T" "T" "G" "T" "G" "G" "G" "A" "A" "C" "C" "T" "C" "T" "C"
    [4177] "A" "C" "G" "A" "T" "C" "A" "A" "C" "G" "G" "T" "A" "G" "A" "G" "A" "A" "A"
##
    [4195] "A" "A" "A" "C" "T" "C" "T" "C" "A" "A" "T" "A" "C" "T" "A" "A" "A" "A" "A"
##
    ##
    [4231] "G" "T" "C" "G" "T" "T" "C" "T" "T" "C" "A" "C" "G" "T" "T" "G" "C" "G"
    [4249] "G" "T" "T" "G" "T" "T" "A" "T" "T" "C" "G" "G" "T" "A" "G" "G" "C" "T"
##
          "T" "T" "C" "C" "C" "T" "C" "A" "C" "T" "C" "C" "G" "A" "A" "A" "C" "T"
##
    [4267]
    [4285] "A" "G" "C" "C" "A" "T" "A" "G" "C" "A" "A" "C" "G" "T" "C" "A" " "T"
##
    [4303] "C" "G" "C" "G" "C" "T" "T" "G" "T" "T" "T" "T" "A" "G" "A" "C" "T" "T"
##
    [4321] "C" "C" "T" "C" "A" "T" "C" "G" "T" "A" "G" "G" "A" "A" "C" "T" "A" "A"
##
```

```
[4339] "A" "G" "T" "G" "G" "A" "A" "C" "G" "A" "A" "G" "T" "T" "T" "C" "A" "A"
    [4357] "T" "G" "T" "C" "A" "A" "G" "G" "T" "T" "A" "A" "C" "A" "T" " " " "T" "T"
##
    [4375] "C" "T" "A" "A" "G" "A" "G" "T" "A" "T" "T" "T" "G" "T" "T" "T" "A" "G"
    [4393] "G" "T" "A" "T" "T" "C" "A" "A" "G" "C" "A" "A" "A" "A" "T" "A" "C" "A" "C"
    [4411] "A" "T" "T" "A" "C" "A" "T" "T" "A" "A" "A" "C" "T" "G" "A" "G" "G" "A"
    [4429] "A" "A" "C" "T" "C" "G" "T" "G" "A" "C" "C" "G" "A" "G" " " "T" "C" "T"
##
    [4447] "C" "A" "G" "C" "A" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T" "A" "A" "A" "A"
    [4465] "C" "G" "T" "C" "G" "T" "C" "C" "T" "A" "G" "G" "T" "G" "T" "T" "C" "T"
##
    [4483] "T" "G" "T" "T" "G" "T" "C" "G" "G" "G" "A" "A" "C" "T" "C" "T" "G" "T"
    [4501] "T" "G" "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" " " " "C" "A" "G" "T"
##
    [4519] "A" "T" "G" "T" "C" "G" "T" "T" "T" "C" "G" "T" "A" "T" "T" "A" "A" "C"
    [4537] "A" "G" "T" "G" "G" "T" "A" "A" "T" "G" "A" "T" "A" "C" "C" "G" "T" "T"
##
    [4555] "A" "G" "T" "T" "C" "G" "G" "T" "C" "G" "A" "T" "A" "T" "T" "T" "T" "G"
    [4573] "G" "A" "T" "C" "G" "G" "T" "T" "T" "A" "C" "A" " "T" "G" "G" "T" "A"
##
    [4591] "C" "C" "G" "G" "T" "A" "A" "A" "A" "T" "A" "T" "A" "T" "G" "A" "C" "G"
    [4609] "A" "G" "T" "A" "T" "G" "A" "A" "A" "G" "G" "T" "T" "C" "A" "A" "G" "A"
##
##
    [4627] "A" "C" "C" "T" "C" "T" "A" "G" "C" "T" "A" "C" "T" "C" "T" "C" "T" "A"
    [4645] "A" "G" "T" "A" "A" "A" "T" "T" "T" "A" "A" " " "G" "A" "A" "C" "C" "G"
    [4663] "T" "T" "G" "G" "A" "G" "T" "A" "A" "C" "T" "C" "C" "G" "C" "C" "A" "G"
    [4681] "T" "T" "A" "A" "A" "G" "A" "A" "A" "A" "A" "C" "T" "T" "A" "C" "A" "A" "A"
##
    [4699] "A" "T" "G" "T" "T" "G" "A" "C" "T" "T" "C" "G" "T" "A" "A" "A" "T" "T" "A"
##
    [4717] "C" "G" "G" "T" "C" "T" "C" "T" "A" "C" " " "A" "G" "T" "G" "G" "A" "T"
    [4735] "T" "T" "A" "G" "T" "T" "G" "T" "A" "G" "A" "C" "C" "A" "C" "T" "A" "C"
##
    ##
    ##
    [4789] "T" "A" "C" "T" "T" "A" "G" "A" "T" " "T" "A" "A" "G" "T" "C" "C" "A"
    [4807] "A" "C" "G" "T" "T" "T" "C" "C" "T" "A" "G" "T" "A" "T" "T" "T" "T" "G" "A"
    [4825] "C" "A" "C" "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "A" "G" "G" "A"
    [4843] "T" "A" "A" "T" "G" "T" "T" "G" "T" "A" "G" "T" "G" "T" "C" "A" "A" "T"
##
    [4861] "G" "G" "T" "C" "T" "G" "T" "G" " "T" "T" "T" "A" "C" "A" "C" "A" "A"
    [4879] "C" "A" "G" "A" "C" "A" "T" "C" "A" "T" "A" "C" "T" "A" "A" "A" "A" "C"
##
    ##
    [4915] "A" "A" "C" "A" "C" "A" "A" "T" "G" "T" "T" "T" "G" "G" "T" "C" "A" "C"
    [4933] "A" "C" "A" "C" "G" "G" "T" " "A" "A" "A" "C" "T" "T" "T" "T" "G" "T" "T"
    [4951] "T" "C" "T" "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "T" "C" "C" "T" "T"
##
    [4969] "T" "C" "A" "C" "A" "C" "G" "A" "A" "A" "A" "G" "G" "T" "A" "G" "T" "A"
##
    [4987] "C" "T" "G" "T" "T" "T" "A" "T" "C" "G" "T" "C" "C" "T" "C" "G" "T" "C"
##
##
    [5005] "A" "A" "C" "A" "C" "T" " " "T" "C" "A" "A" "G" "A" "A" "A" "A" "A" "A" "G" "A"
    [5023] "A" "C" "A" "C" "G" "T" "C" "C" "C" "T" "G" "T" "A" "T" "T" "C" "A" "G"
##
    [5041] "T" "G" "T" "A" "C" "G" "T" "T" "C" "T" "T" "C" "T" "G" "A" "T" "G" "T"
##
    [5059] "G" "G" "T" "A" "C" "T" "C" "C" "A" "C" "G" "A" "C" "T" "G" "A" "C" "T"
    [5077] "C" "C" "C" "T" "T" " " "C" "C" "T" "G" "T" "T" "T" "T" "T" "C" "T" "A" "C"
##
    [5095] "T" "A" "T" "C" "G" "G" "G" "A" "A" "A" "G" "G" "T" "G" "T" "T" "T" "T"
##
    [5113] "T" "A" "G" "T" "T" "G" "A" "G" "A" "A" "A" "A" "A" "A" "C" "T" "A" "A" "C"
    [5131] "A" "G" "G" "T" "T" "C" "A" "T" "G" "T" "G" "T" "G" "A" "G" "A" "C" "T"
    [5149] "G" "T" "A" "A" " " "A" "A" "T" "C" "A" "T" "C" "G" "T" "C" "G" "T" "T"
##
    [5167] "C" "T" "A" "A" "T" "C" "G" "T" "C" "T" "T" "C" "G" "A" "G" "A" "C" "T"
##
    [5185] "A" "A" "A" "G" "A" "C" "G" "T" "C" "G" "A" "G" "A" "T" "T" "A" "A" "T"
##
    [5203] "T" "A" "A" "C" "A" "A" "C" "T" "C" "A" "G" "T" "G" "T" "A" "T" "A" "C"
    [5221] "A" "G" "A" " "C" "G" "T" "T" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A"
##
    [5239] "G" "A" "C" "G" "G" "A" "C" "A" "C" "T" "A" "G" "T" "T" "G" "G" "A" "T"
##
    [5257] "A" "G" "T" "T" "A" "A" "A" "C" "G" "T" "G" "A" "A" "G" "T" "C" "G" "G"
##
    [5275] "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "G" "T" "T" "C" "T" "G" "C" "A"
##
    [5293] "C" "T" " "T" "T" "C" "C" "T" "A" "T" "A" "G" "T" "A" "A" "A" "A" "T" "T"
##
```

```
[5311] "T" "T" "G" "T" "G" "A" "A" "C" "T" "T" "T" "A" "A" "C" "G" "T" "G" "G"
    [5329] "T" "T" "T" "A" "A" "A" "C" "C" "T" "C" "G" "A" "T" "T" "T" "C" "A" "A" "A" "C"
##
    [5347] "A" "A" "A" "T" "T" "G" "T" "T" "C" "G" "C" "A" "C" "A" "A" "A" "A" "T" "T"
##
   [5365] "T" " " "C" "G" "A" "A" "C" "A" "C" "G" "T" "A" "A" "T" "A" "C" "C" "A"
##
   [5383] "A" "C" "T" "G" "G" "T" "G" "T" "A" "G" "A" "A" "C" "T" "T" "C" "A" "A"
   [5401] "A" "A" "G" "G" "T" "T" "C" "A" "C" "G" "T" "G" "A" "A" "C" "G" "A" "C"
##
   [5419] "A" "C" "C" "T" "T" "C" "T" "T" "C" "A" "C" "T" "C" "A" "G" "A" "A"
   [5437] " " "C" "T" "T" "A" "A" "A" "A" "C" "G" "G" "T" "T" "A" "T" "C" "G" "T"
##
    [5455] "G" "A" "T" "A" "A" "T" "T" "T" "A" "A" "C" "C" "A" "A" "C" "C" "G" "T"
##
   [5473] "T" "A" "G" "T" "T" "A" "A" "A" "A" "A" "C" "C" "A" "A" "G" "A" "G" "T"
##
    [5491] "A" "T" "C" "T" "C" "T" "T" "G" "T" "A" "A" "G" "A" "C" "A" "C" "A" "C" "A" "
   [5509] "T" "T" "G" "A" "G" "G" "T" "T" "A" "T" "G" "G" "T" "A" "A" "T" "T" "T"
##
   [5527] "G" "G" "A" "T" "A" "T" "T" "C" "G" "G" "T" "A" "A" "A" "A" "C" "G" "T" "A"
   [5545] "T" "C" "G" "T" "T" "T" "A" "C" "C" "A" "T" "A" "A" "A" "C" "A" "T" "T"
##
##
   [5563] "A" "C" "G" "T" "C" "G" "T" "G" "G" "A" "C" "G" "T" "G" "G" "T" " "T"
   [5581] "T" "C" "C" "A" "G" "G" "T" "T" "G" "G" "T" "C" "T" "T" "C" "A" "C" "T"
##
##
   [5599] "A" "A" "C" "A" "T" "G" "G" "G" "C" "G" "A" "T" "T" "G" "T" "C" "A" "C"
    [5617] "G" "T" "C" "T" "T" "C" "A" "C" "A" "T" "A" "A" "C" "T" "C" "G" "T" "T"
##
   [5635] "A" "G" "T" "A" "A" "A" "G" "T" "A" "G" "A" "C" "A" "C" "T" " " "C" "G"
##
   [5653] "T" "T" "T" "C" "C" "A" "C" "C" "G" "T" "T" "T" "T" "G" "T" "C" "A" "T"
##
   [5671] "T" "C" "C" "G" "G" "C" "A" "A" "T" "T" "T" "G" "A" "A" "A" "A" "A" "C" "A"
##
   [5689] "C" "G" "T" "G" "T" "T" "T" "A" "C" "T" "C" "C" "A" "G" "A" "G" "A" "T"
   [5707] "C" "G" "T" "C" "G" "T" "T" "A" "T" "A" "G" "T" "G" "G" " " "T" "T" "C"
##
   [5725] "C" "G" "T" "T" "A" "G" "T" "G" "G" "T" "A" "T" "A" "A" "A" "C" "A" "A" "A" "A"
##
   [5743] "C" "T" "A" "C" "T" "T" "C" "G" "G" "T" "C" "G" "T" "A" "G" "A" "C" "G"
##
    [5761] "T" "T" "C" "A" "C" "A" "G" "T" "G" "A" "A" "A" "C" "A" "A" "C" "T" "T"
   [5779] "T" "T" "C" "A" "T" "C" "T" "A" "G" "A" "A" "G" "T" " " "T" "A" "T" "T"
##
   [5797] "T" "A" "C" "T" "G" "G" "A" "G" "A" "A" "C" "G" "A" "A" "C" "C" "A" "A"
   [5815] "A" "A" "C" "T" "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T"
##
   ##
          ##
    [5869]
   [5887] "A" "C" "A" "A" "A" "C" "T" "G" "A" "A" "C" "A" "C" "G" "T" "T" "T" "T"
##
   ##
   [5923] "A" "G" "A" "A" "C" "A" "A" "G" "T" "T" "G" " " "T" "C" "G" "A" "T" "A"
##
   [5941] "A" "G" "G" "T" "C" "A" "A" "T" "T" "T" "C" "G" "T" "G" "C" "A" "A" "A"
##
   [5959] "A" "T" "T" "A" "A" "C" "A" "C" "A" "T" "G" "T" "T" "T" "T" "T" "T" "G" "A"
##
##
   [5977] "C" "G" "G" "T" "A" "T" "A" "A" "C" "G" "T" "T" "G" "T" "T" "T" "T" "C"
   [5995] "T" "A" "A" "C" "G" "A" "C" "G" "T" "A" " "A" "G" "T" "C" "A" "A" "C"
##
   [6013] "T" "T" "A" "G" "T" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "T" "G" "T"
##
    [6031] "A" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "T" "G" "A" "C" "T" "A" "C"
   [6049] "A" "G" "A" "A" "C" "C" "A" "G" "T" "A" "T" "C" "T" "G" "T" "G" "A" "C"
##
   [6067] "C" "A" "T" "C" "T" "T" "A" "A" "A" " "" "G" "A" "C" "A" "C" "A" "T"
   [6085] "T" "G" "T" "G" "A" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "T" "A" "A" "A"
##
   [6103] "C" "A" "C" "C" "C" "A" "T" "A" "C" "C" "G" "T" "T" "A" "T" "C" "T" "C"
   [6121] "A" "A" "T" "A" "A" "T" "C" "T" "C" "A" "T" "T" "C" "G" "T" "T" "G" "A"
##
    [6139] "C" "T" "T" "A" "A" "A" "A" "G" " " "A" "C" "G" "T" "G" "G" "T" "T" "C"
##
    [6157] "A" "C" "T" "G" "T" "A" "T" "C" "A" "C" "A" "T" "C" "C" "G" "T" "T" "A"
##
   [6175] "C" "T" "A" "C" "C" "T" "A" "A" "C" "T" "G" "A" "T" "C" "G" "A" "T" "G"
   [6193] "T" "G" "A" "T" "G" "C" "A" "C" "G" "G" "G" "C" "G" "G" "C" "T" "A" "C"
##
   [6211] "T" "C" "T" "G" "A" "A" "T" " " "C" "A" "G" "A" "C" "T" "C" "A" "G" "A"
##
   [6229] "C" "T" "A" "T" "T" "G" "A" "T" "C" "G" "C" "G" "T" "A" "T" "A" "T" "G"
##
    [6247] "G" "A" "C" "G" "T" "G" "G" "T" "T" "A" "C" "C" "C" "A" "T" "A" "C" "A"
##
    [6265] "G" "T" "G" "T" "G" "A" "G" "T" "A" "T" "A" "C" "T" "C" "A" "A" "C" "A"
##
```

```
[6283] "A" "C" "T" "G" "T" "A" " " "T" "A" "A" "G" "T" "C" "G" "G" "G" "G" "A"
    [6301] "T" "A" "A" "T" "T" "T" "G" "T" "C" "G" "G" "A" "C" "G" "T" "G" "C" "A"
##
    [6319] "C" "A" "A" "A" "C" "T" "T" "T" "T" "T" "G" "T" "A" "A" "T" "C" "T" "T"
##
   [6337] "G" "G" "A" "C" "A" "T" "C" "T" "T" "A" "T" "T" "T" "G" "T" "G" "C" "G"
##
   [6355] "G" "T" "T" "C" "A" " " "T" "C" "C" "T" "C" "A" "T" "T" "C" "A" "A" "A" "C"
   [6373] "T" "A" "G" "A" "C" "G" "T" "A" "C" "T" "T" "A" "T" "C" "G" "T" "T" "G"
##
   [6391] "T" "C" "C" "C" "T" "G" "A" "A" "G" "A" "C" "A" "C" "G" "T" "C" "A" "A"
   [6409] "T" "T" "G" "T" "G" "G" "G" "A" "C" "T" "A" "T" "T" "T" "C" "T" "T" "G"
##
    [6427] "T" "C" "G" "T" " " "T" "G" "G" "A" "C" "C" "A" "A" "A" "T" "C" "T" "T" "C"
##
    [6445] "A" "T" "A" "A" "A" "C" "A" "A" "G" "G" "A" "C" "C" "A" "C" "A" "C" "A" "T"
##
    [6481] "T" "T" "C" "T" "T" "G" "T" "A" "C" "C" "A" "C" "A" "T" "T" "A" "C" "A"
##
    [6499] "G" "T" "T" " " "C" "T" "T" "A" "G" "A" "G" "T" "T" "C" "A" "C" "A" "G"
   [6517] "A" "C" "A" "C" "C" "T" "A" "G" "T" "G" "C" "C" "T" "G" "T" "C" "G" "T"
##
##
   [6535] "A" "G" "T" "C" "A" "T" "C" "A" "C" "A" "G" "T" "C" "G" "T" "T" "T" "A" "C"
   [6553] "A" "G" "A" "G" "A" "C" "G" "G" "T" "T" "T" "A" "A" "C" "A" "A" "C" "C"
##
##
    [6571]
         "T" "T" " " "T" "C" "C" "G" "T" "C" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A"
    [6589] "C" "A" "A" "T" "C" "T" "G" "A" "G" "T" "C" "A" "T" "T" "T" "C" "T" "T" "G"
##
   [6607] "T" "G" "G" "A" "C" "A" "C" "G" "G" "A" "C" "A" "A" "T" "T" "T" "G" "G"
##
   [6625] "T" "A" "A" "C" "T" "T" "C" "A" "A" "C" "T" "T" "T" "A" "A" "C" "T" "G"
##
   ##
   [6661] "T" "T" "A" "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "A" "A" "A" "A" "T" "C"
   [6679] "C" "A" "G" "G" "T" "G" "T" "T" "T" "G" "T" "C" "A" "A" "C" "G" "A" "C"
##
   [6697] "C" "A" "C" "G" "T" "A" "C" "A" "T" "C" "T" "T" "C" "A" "A" "G" "T" "T"
##
   [6715] " " "T" "T" "C" "T" "T" "C" "A" "T" "G" "A" "T" "G" "A" "T" "G" "A"
##
    [6733] "G" "A" "C" "A" "T" "A" "C" "C" "A" "A" "C" "C" "A" "C" "T" "G" "G" "T"
   [6751] "T" "G" "T" "G" "G" "T" "A" "T" "T" "C" "A" "C" "C" "C" "A" "G" "C" "C"
##
    [6769] "T" "T" "T" "G" "G" "T" "A" "T" "A" "C" "T" "A" "A" "A" "C" "A" "T" "T" "T" "
   [6787] "T" "C" "C" "T" "C" "T" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "C" "C"
##
   [6805] "T" "G" "G" "A" "C" "G" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "G" "T"
   [6823] "T" "C" "C" "A" "A" "A" "C" "A" "A" "T" "G" "G" "C" "C" "G" "G" "A" "C"
##
         "T" "A" "T" "C" "T" "A" "A" "A" "G" "T" "C" "A" "A" "C" "T" "T" "T"
##
    Γ6841]
   [6859] "A" "T" "A" "G" "A" "G" "A" "G" "A" "G" "T" "T" "T" "T" "T" "C" "C" "A" "A"
##
   [6877] "A" "C" "T" "C" "G" "A" "A" "T" "C" "T" "G" "A" "A" "G" "G" "G" "A" "T" "T"
##
    [6895] "T" "G" "T" "T" "A" "G" "A" "T" "A" "T" "G" "T" "C" "C" "A" "T" "T" "A"
##
   [6913] "A" "T" "A" "T" "T" "A" "A" "T" "G" "G" "T" "G" "A" "T" "C" " " " "C" "G"
##
   [6931] "A" "A" "T" "C" "T" "T" "A" "G" "T" "T" "C" "G" "A" "A" "C" "A" "A" "T"
##
##
   [6949] "C" "T" "T" "A" "A" "G" "G" "T" "T" "C" "G" "A" "T" "A" "T" "A" "T" "G" "C"
   [6967] "G" "T" "C" "G" "G" "A" "C" "A" "T" "T" "T" "T" "A" "G" "T" "A" "G" "A"
##
   ##
    [7003] "T" "A" "G" "T" "C" "G" "T" "T" "A" "T" "A" "A" "A" "A" "G" "G" "T" "C" "A"
   [7021] "A" "A" "C" "G" "G" "G" "A" "C" "C" "T" "C" "G" "C" "T" "A" "A" "A" "A" "C"
##
   [7039] "C" "G" "A" "C" "T" "G" "A" "A" "G" "T" "A" "A" "T" "G" "G" "A" "G" "A"
##
   [7057] "T" "T" "A" "A" "T" "G" "T" "T" "T" "A" "C" "T" "T" "T" "A" "G" "A" "C"
   [7075] "G" "T" "A" "T" "C" "T" "G" "T" "A" "A" "T" "C" "A" "T" "T" "T" "T" "C" "G"
   ##
    [7111] "A" "T" "C" "C" "T" "C" "T" "G" "T" "G" "A" "G" "G" "T" "A" "T" "T" "G"
##
   [7129] "T" "G" "A" "A" "T" "T" "T" "T" "C" "G" "C" "T" " " "T" "T" "T" "T" "A"
##
   [7165] "T" "G" "T" "C" "T" "T" "A" "T" "A" "G" "T" "C" "G" "T" "T" "G" "T"
##
   [7183] "G" "T" "C" "A" "A" "C" "G" "A" "C" "T" "A" "G" "A" "G" "A" "G" "A" "G"
##
   [7201] "G" "A" "C" "A" "A" "G" "G" "T" "T" "C" "G" " " "T" "A" "T" "T" "T" "G"
##
    [7219] "T" "C" "T" "A" "C" "G" "T" "T" "T" "A" "C" "A" "C" "C" "A" "C" "C" "G"
##
   [7237] "C" "A" "A" "T" "T" "T" "T" "T" "G" "A" "A" "G" "T" "A" "C" "T" "T" "T"
##
```

```
[7255] "T" "C" "C" "C" "G" "T" "G" "T" "T" "C" "A" "A" "A" "C" "A" "T" "T" "A"
    [7273] "T" "A" "A" "T" "C" "C" "T" "T" "T" "A" " " "G" "A" "T" "T" "G" "T" "T"
##
   ##
   [7309] "G" "A" "G" "A" "T" "T" "C" "A" "A" "T" "C" "T" "T" "C" "A" "A" "A"
##
   [7345] "G" "T" "C" "A" "C" "T" "T" "C" "C" " " "T" "A" "A" "A" "G" "T" "T" "G"
##
   [7363] "C" "A" "T" "G" "T" "G" "A" "A" "A" "C" "A" "A" "A" "G" "A" "G" "A" "C" "T" "C"
   [7381] "T" "C" "T" "C" "C" "C" "A" "G" "T" "T" "C" "A" "C" "G" "T" "G" "T" "C"
##
   [7399] "A" "G" "A" "T" "G" "T" "C" "G" "T" "A" "G" "A" "C" "A" "T" "T" "A" "C"
   [7417] "C" "A" "A" "G" "G" "T" "A" "A" "A" "A" "G" "T" "A" "A" "T" "A" "T"
##
   [7435] "A" "A" "A" "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "T" "C" "A" "G" "G" "A"
   [7453] "T" "C" "C" "A" "A" "C" "T" "T" "C" "T" "A" "T" "T" "G" "G" "G" "T" "G"
##
   [7471] "T" "A" "T" "T" "A" "T" "T" "C" "G" "A" "C" "G" "T" "C" "G" "T" "G" "G"
   [7489] "T" "C" "G" "A" "C" "A" "G" " " "G" "T" "T" "G" "G" "A" "C" "T" "T" "C"
##
   [7507] "T" "T" "C" "T" "T" "A" "G" "T" "T" "G" "T" "C" "C" "T" "C" "A" "G" "T"
   [7525] "T" "T" "A" "T" "T" "G" "A" "A" "G" "A" "T" "A" "C" "A" "T" "T" "T" "T" "C"
##
##
   [7543] "G" "T" "T" "C" "A" "T" "T" "C" "A" "A" "A" "C" "T" "T" "T" "G" "G"
   [7561] "A" "T" "C" "A" "C" "T" " "A" "C" "A" "A" "T" "T" "A" "T" "G" "G" "A"
##
   [7579] "T" "A" "A" "C" "C" "G" "T" "T" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A"
##
   [7597] "C" "C" "A" "A" "G" "A" "T" "T" "T" "C" "G" "G" "C" "T" "T" "T" "T" "T" "T"
##
   [7615] "G" "G" "G" "A" "C" "T" "C" "C" "C" "T" "C" "T" "A" "G" "T" "G" "C" "G"
##
   [7633] "A" "G" "A" "T" "T" " " "T" "A" "A" "T" "T" "A" "T" "C" "C" "G" "C" "A"
   ##
   [7669] "T" "T" "T" "T" "A" "T" "T" "G" "G" "T" "A" "G" "T" "T" "A" "T" "A" "A" "A"
##
   [7687] "G" "A" "A" "T" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "G" "G" "G" "A"
##
   [7705] "T" "T" "C" "T" " "A" "A" "A" "A" "A" "C" "T" "T" "T" "A" "A" "T" "G"
   ##
   [7741] "G" "G" "T" "A" "T" "T" "C" "T" "T" "T" "T" "C" "C" "G" "A" "C" "T" "C"
   [7759] "T" "C" "T" "G" "T" "A" "T" "A" "A" "G" "T" "T" "T" "T" "T" "C" "A" "C" "G"
##
   [7777] "T" "T" "A" " " "A" "T" "A" "A" "G" "C" "G" "T" "G" "A" "T" "C" "T" "T"
   [7795] "A" "T" "T" "T" "G" "A" "G" "A" "C" "T" "T" "G" "A" "G" "T" "G" "A" "A"
##
   [7813] "A" "G" "G" "T" "A" "G" "G" "T" "T" "G" "A" "A" "A" "A" "C" "A" "A" "C"
##
   [7831] "A" "A" "A" "A" "A" "A" "A" "C" "C" "A" "T" "T" "T" "G" "T" "A" "G" "G"
##
   [7849] "T" "T" " " "T" "T" "T" "A" "C" "C" "T" "A" "G" "T" "A" "A" "A" "T" "G" "T"
   [7867] "T" "T" "A" "A" "C" "T" "T" "A" "A" "G" "T" "G" "T" "C" "T" "G"
##
   [7885] "A" "A" "A" "T" "T" "A" "T" "T" "G" "T" "T" "G" "T" "A" "A" "A" "T" "C" "A"
##
   [7903] "T" "C" "G" "C" "A" "A" "T" "A" "A" "T" "T" "G" "T" "T" "A" "A" "T" "C"
##
##
   [7921] "A" " "T" "C" "C" "C" "T" "G" "A" "C" "C" "C" "A" "G" "A" "A" "A" "G" "A" "G"
   [7939] "T" "T" "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "A" "T" "G" "G" "T" "T"
##
   [7957] "T" "T" "T" "A" "G" "G" "T" "C" "G" "G" "A" "G" "A" "A" "T" "A" "A" "T"
##
    [7975] "A" "C" "A" "A" "T" "C" "T" "G" "A" "A" "G" "A" "G" "T" "C" "A" "C" "C"
   [7993] " " "T" "T" "C" "G" "T" "T" "T" "T" "A" "T" "T" "T" "T" "G" "T" "G" "T"
##
   [8011] "A" "G" "T" "A" "A" "T" "T" "T" "A" "C" "C" "A" "T" "C" "C" "C" "G" "T"
   [8029] "C" "C" "C" "A" "A" "T" "A" "G" "T" "T" "T" "G" "G" "A" "G" "A" "A" "T"
##
   [8047] "C" "A" "T" "G" "G" "T" "A" "A" "C" "C" "A" "G" "G" "G" "T" "C" "T" "
   [8065] "C" "T" "G" "T" "A" "C" "A" "T" "A" "T" "C" "G" "T" "A" "C" "C" "T" "T"
##
    [8083] "G" "G" "T" "T" "C" "A" "T" "T" "G" "T" "A" "A" "C" "C" "T" "T" "T" "T"
##
   [8101] "C" "T" "T" "T" "C" "C" "A" "T" "T" "C" "T" "T" "G" "T" "T" "G" "T" "T" "C" "A" "G"
##
   [8137] "G" "A" "C" "T" "C" "C" "T" "A" "G" "A" "C" "T" "T" "T" "T" "T" "G" "A" "A"
##
   [8155] "A" "C" "A" "G" "T" "C" "C" "C" "A" "T" "T" "A" "T" "T" "T" "T" "G"
##
   [8173] "G" "T" "G" "C" "A" "C" "A" "C" "T" "T" "T" "C" "T" "T" "A" "A" "T" "C"
##
    [8191] "A" "C" "A" "T" "A" "C" "T" "A" "A" "C" "T" "C" "A" "A" "G" " " " "A" "C"
##
    [8209] "C" "A" "A" "T" "A" "T" "T" "C" "T" "A" "A" "T" "T" "G" "T" "G" "T" "G"
##
```

```
[8227] "A" "C" "T" "G" "A" "T" "C" "T" "C" "T" "G" "A" "T" "C" "A" "C" "C" "G"
   ##
   ##
   [8281] "A" "C" "A" "A" "T" "T" "G" "T" "T" "C" "T" "T" "G" "T" "A" "G" "T" "A" "G"
##
   [8299] "A" "T" "C" "T" "T" "T" "A" "T" "T" "G" "T" "T" "G" "A" "G" "A" "C" "A"
##
   [8335] "C" "A" "G" "A" "T" "G" "G" "A" "A" "A" "T" "G" "A" " " "T" "T" "C" "T"
   [8353] "T" "C" "T" "C" "T" "A" "T" "T" "T" "T" "A" "G" "T" "A" "T" "A" "G" "T"
##
   ##
   [8389] "T" "T" "T" "C" "T" "G" "T" "A" "T" "T" "G" "T" "C" "G" "T" "C" "A" "T"
##
   [8407] "G" "G" "G" "G" "A" "A" "T" "T" "A" "A" "A" "T" " "T" " "T" "C" "C" "C" "C"
   [8425] "T" "T" "T" "A" "A" "A" "T" "G" "A" "G" "T" "A" "C" "A" "G" "T" "T" "T"
##
   [8443] "A" "T" "T" "T" "C" "T" "T" "A" "T" "C" "C" "T" "T" "C" "T" "G" "T" "T"
   [8461] "G" "A" "C" "T" "T" "A" "A" "C" "C" "T" "A" "A" "A" "C" "A" "T" "A" "A"
##
##
   [8479] "G" "G" "A" "G" "G" "T" "T" "T" "T" "A" "T" " "A" "C" "A" "T" "T" "A"
   [8497] "A" "A" "C" "G" "T" "A" "C" "G" "T" "A" "C" "T" "G" "T" "A" "T" "T" "G"
##
##
   [8515] "G" "T" "A" "G" "A" "T" "A" "A" "A" "C" "A" "A" "G" "C" "G" "C" "G" "C" "A" "C"
   [8533] "C" "A" "A" "A" "C" "G" "G" "T" "T" "C" "T" "A" "T" "T" "A" "A" "A" "A" "T" "G"
##
   ##
   [8569] "A" "G" "T" "C" "T" "A" "C" "T" "A" "C" "T" "G" "C" "G" "T" "A" "A" "G"
##
   [8587] "T" "G" "T" "A" "A" "T" "C" "A" "T" "T" "G" "T" "T" "T" "T" "C" "C" "G" "A"
##
   [8605] "C" "A" "G" "G" "T" "G" "G" "T" "A" "C" "G" "C" "T" "T" "C" "A" "C" "A"
##
   [8623] "G" "G" "G" "T" "A" "C" "T" "C" "G" " " "A" "A" "T" "A" "T" "T" "T" "T" "C"
##
   [8641] "T" "A" "G" "T" "C" "G" "T" "A" "A" "G" "G" "T" "T" "C" "T" "T" "A" "C"
##
   [8659] "A" "A" "G" "A" "C" "A" "A" "T" "A" "G" "A" "A" "A" "T" "A" "T" "A" "G" "A" "A" "T" "A" "T" "C" "G"
##
   [8677] "G" "T" "G" "C" "C" "T" "T" "G" "G" "A" "G" "G" "T" "T" "C" "T" "C" "G"
   [8695] "A" "T" "C" "G" "A" "A" "A" "A" "A" "C" "A" "A" "C" "A" "T" "A" "T" "T"
##
   [8713] "T" "G" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "T" "T" "C" "A" "C" "A" "T"
   [8731] "T" "T" "T" "T" "T" "G" "G" "G" "A" "G" "A" "A" "A" "T" "C" "T" "C" "A"
##
   [8749] "G" "T" "A" "A" "A" "A" "A" "A" "A" "C" "A" "T" "T" "G" "T" "A"
   [8767] "A" "A" "A" "A" "T" "C" "A" " "G" "A" "A" "T" "C" "C" "C" "A" "G" "C"
##
   [8785] "A" "T" "G" "T" "A" "T" "A" "G" "T" "G" "A" "T" "T" "A" "T" "A" "C"
##
   [8803] "T" "C" "T" "A" "G" "G" "G" "T" "A" "A" "A" "T" "A" "A" "T" "C" "G" "A"
##
   [8821] "C" "A" "T" "A" "C" "A" "T" "G" "T" "C" "A" "A" "C" "G" "T" "G" "T" "T"
##
   [8839] "A" "G" "T" "G" "G" "T" " " "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T"
##
   [8857] "T" "A" "G" "A" "C" "G" "T" "A" "G" "T" "C" "T" "C" "T" "G" "T" "T" "T"
##
   [8875] "C" "A" "G" "T" "A" "A" "T" "T" "C" "T" "A" "G" "A" "C" "T" "T" "A" "G"
##
##
   [8893] "C" "T" "G" "T" "T" "C" "G" "T" "C" "G" "C" "A" "T" "G" "G" "G" "C" "A"
   [8911] "T" "C" "C" "G" "T" " "T" "G" "G" "T" "G" "A" "C" "A" "G" "A" "A" "T"
##
   [8929] "T" "T" "T" "G" "T" "C" "G" "A" "C" "A" "T" "G" "G" "A" "C" "C" "A" "C"
##
   [8947] "G" "T" "T" "G" "A" "G" "G" "A" "A" "A" "T" "A" "G" "T" "C" "T" "T" "G"
   ##
   [8983] "G" "A" "G" "A" " "G" "T" "A" "T" "A" "A" "T" "A" "T" "A" "T" "C" "C" "C" "A"
##
   [9001] "T" "G" "T" "C" "G" "A" "T" "T" "A" "C" "A" "A" "T" "T" "A" "C" "A" "C"
   [9037] "A" "C" "T" "C" "A" "T" "A" "T" "A" "A" "A" "A" "C" "G" "C" "T" "G" "T"
##
   [9055] "A" "A" "G" " "T" "A" "G" "T" "A" "A" "T" "A" "C" "G" "G" "A" "A" "A" "A"
##
   [9073] "T" "C" "C" "A" "T" "T" "A" "C" "A" "A" "C" "G" "T" "G" "A" "T" "A" "G"
##
   [9091] "T" "G" "G" "T" "A" "T" "T" "A" "A" "A" "A" "C" "T" "T" "C" "C" "A" "G"
   [9109] "T" "G" "T" "G" "A" "A" "A" "A" "G" "A" "T" "T" "A" "T" "C" "G" "T" "A"
##
   [9127] "A" "G" " " "A" "A" "A" "C" "G" "T" "A" "A" "A" "A" "C" "A" "T" "T" "T"
##
   [9145] "C" "T" "A" "A" "T" "C" "C" "G" "T" "A" "T" "C" "G" "T" "T" "G" "T" "G"
##
   [9163] "G" "G" "C" "C" "A" "A" "C" "G" "G" "T" "G" "C" "G" "A" "A" "A" "C" "T" "G"
##
   [9181] "A" "T" "C" "T" "A" "A" "C" "A" "T" "T" "A" "A" "A" "A" "C" "C" "C" "A"
##
```

```
[9199] "T" " "T" "T" "T" "A" "C" "A" "A" "A" "G" "A" "T" "G" "T" "A" "C" "C"
   [9217] "G" "G" "T" "A" "G" "A" "A" "A" "T" "G" "T" "G" "G" "T" "T" "T" "T" "C" "G"
##
   [9235] "T" "A" "T" "T" "T" "A" "C" "T" "T" "T" "A" "A" "A" "G" "A" "C" "A" "T"
##
   [9253] "A" "T" "C" "A" "G" "T" "T" "A" "T" "C" "A" "G" "T" "G" "A" "A" "A" "A" "C"
   [9271] " "T" "G" "T" "T" "G" "G" "A" "A" "T" "C" "T" "T" "T" "G" "A" "T" "G"
   [9289] "T" "C" "T" "A" "T" "T" "A" "G" "A" "A" "C" "C" "C" "T" "A" "A" "A"
##
   [9307] "A" "T" "A" "A" "T" "A" "A" "G" "T" "T" "G" "T" "T" "T" "T" "A" "G"
   [9325] "T" "A" "G" "T" "T" "C" "A" "T" "T" "A" "T" "T" "A" "T" "A" "G" "T" "T" "T" "
##
   [9343] "A" "T" "T" "G" "T" "C" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "A"
   [9361] "A" "T" "C" "T" "A" "C" "T" "T" "G" "G" "A" "C" "A" "A" "A" "A" "C" "G" "C"
##
   [9379] "G" "T" "A" "G" "A" "C" "A" "A" "T" "A" "C" "T" "T" "T" "T" "A" "T" "C" "A"
   [9397] "A" "A" "A" "A" "T" "T" "G" "A" "C" "A" "T" "G" "A" "C" "A" "G" "A" "G" " " "G"
##
   [9415] "T" "A" "T" "C" "C" "T" "T" "A" "T" "T" "T" "T" "A" "G" "A" "G" "A"
   [9433] "T" "T" "A" "A" "G" "T" "T" "T" "T" "C" "C" "A" "C" "T" "A" "A" "G" "G"
##
   [9451] "A" "A" "T" "T" "T" "T" "G" "C" "A" "A" "A" "T" "C" "G" "A" "T" "C" "A"
   [9469] "G" "G" "T" "T" "A" "G" "T" "C" "A" "T" "C" "T" "A" "C" "A" " "T" "T"
##
##
   Γ94871
         "T" "G" "G" "T" "G" "G" "A" "T" "T" "G" "A" "C" "T" "G" "A" "T" "A" "C"
   [9505] "T" "G" "A" "T" "T" "T" "T" "A" "G" "A" "G" "G" "T" "A" "T" "T" "T" "G"
   [9523] "C" "T" "A" "T" "A" "C" "A" "A" "G" "C" "T" "T" "C" "C" "G" "T" "A" "T"
   ##
   [9559] "C" "A" "A" "G" "T" "T" "A" "C" "T" "T" "A" "A" "G" "T" "A" "G" "T"
##
   [9577] "A" "T" "C" "G" "A" "T" "T" "A" "A" "G" "A" "T" "T" "C" "T" "T" "T" "A"
   [9595] "G" "T" "T" "A" "A" "A" "G" "G" "T" "A" "A" "A" "C" "T" "G" "A" "G" "G"
##
   [9613] "A" "C" "C" "C" "A" "A" "A" "T" "T" "T" "A" "A" "G" " " "A" "A" "C" "A"
   [9631] "T" "T" "T" "A" "A" "A" "G" "A" "T" "G" "A" "G" "A" "C" "T" "C" "A" "T"
##
   [9649] "T" "T" "C" "A" "T" "T" "C" "A" "A" "A" "G" "T" "C" "C" "A" "T" "T" "A"
   [9667] "A" "C" "A" "A" "C" "C" "T" "G" "T" "T" "G" "T" "G" "T" "G" "T" "A" "G" "T"
   [9703] "C" "T" "T" "G" "A" "C" "A" "C" "A" "A" "A" "A" "A" "T" "G" "C" "C" "G"
##
   [9721] "A" "A" "G" "A" "G" "T" "T" "A" "A" "T" "T" "A" "C" "A" "C" "T" "G"
   [9739] "A" "G" "G" "T" "A" "A" "T" "T" "C" "T" "G" "A" "T" "C" "G" "A" "A" "C"
##
   [9757] "A" "A" "A" "C" "C" "C" "T" "G" "G" "A" "T" " " "G" "T" "C" "T" "A" "C"
##
   [9775] "C" "A" "A" "C" "A" "T" "T" "T" "G" "G" "A" "A" "A" "T" "T" "G" "T" "G"
   [9793] "A" "T" "G" "G" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "C" "T" "T"
   [9811] "G" "T" "G" "G" "T" "A" "A" "T" "G" "C" "C" "C" "G" "T" "A" "A" "A" "G"
   [9829] "A" "T" "T" "T" "A" "T" "T" "C" "A" "G" " " "A" "T" "G" "A" "A" "C" "T"
##
   [9847] "G" "G" "T" "A" "G" "T" "T" "G" "A" "G" "A" "T" "G" "G" "T" "A" "G" "T"
##
##
   [9865] "T" "T" "T" "T" "T" "C" "T" "G" "T" "C" "A" "C" "T" "C" "A" "C" "A"
   [9883] "C" "G" "T" "G" "T" "T" "T" "A" "G" "C" "A" "A" "A" "G" "T" "T" "A" "A" "A"
##
   [9901] "C" "C" "A" "A" "A" "G" "A" "A" "C" " "C" "G" "A" "T" "A" "C" "A" "G"
##
   [9937] "T" "T" "A" "T" "C" "A" "T" "C" "T" "A" "T" "A" "T" "A" "T" "A" "C" "G"
   ##
   [9973] "C" "A" "G" "G" "G" "T" "C" "T" " "A" "G" "T" "G" "T" "C" "A" "T" "A"
   [9991] "A" "T" "C" "G" "T" "C" "G" "T" "T" "A" "C" "A" "G" "G" "T" "G" "T" "G"
## [10009] "G" "G" "T" "T" "T" "A" "A" "T" "A" "A" "C" "T" "C" "A" "T" "A" "A" "A" "A"
  [10027] "A" "G" "T" "G" "G" "A" "G" "A" "C" "C" "A" "T" "G" "A" "C" "C" "A" "A"
  [10045] "A" "T" "T" "A" "C" "A" "A" " " "C" "G" "C" "G" "A" "A" "A" "T" "C" "G" "G"
  [10063] "G" "T" "T" "T" "C" "G" "A" "G" "T" "T" "T" "A" "C" "G" "A" "T" "G" "T"
  [10099] "A" "A" "T" "A" "A" "A" "A" "G" "T" "T" "G" "T" "T" "A" "A" "G" "A"
## [10117] "T" "G" "T" "A" "G" "T" " "T" "G" "T" "G" "T" "A" "G" "T" "T" "G"
## [10135] "A" "A" "A" "A" "C" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" "C" "A" "A"
## [10153] "T" "A" "A" "T" "T" "A" "C" "T" "A" "T" "C" "T" "T" "T" "T" "G" "A" "C" "C"
```

```
## [10171] "A" "T" "G" "A" "A" "G" "T" "G" "G" "G" "A" "C" "A" "A" "C" "A" "G" "G"
  [10189] "T" "A" "G" "T" "T" "T" "C" "A" "C" "A" "G" "G" "G" "A" "A" "A" "A" "A"
  [10207] "A" "A" "T" "G" "T" "T" "G" "T" "A" "A" "T" "T" "T" "T" "C" "G" "G" "T"
## [10225] "G" "T" "A" "A" "A" "A" "G" "A" "T" "T" "T" "G" "A" "G" "A" "C" "T" "T"
## [10243] "C" "A" "G" "A" "A" "C" "A" "T" "T" "T" "T" "C" "A" "C" "A" "A" "G" "G"
## [10261] "T" "C" "T" "C" " " "C" "A" "A" "T" "A" "T" "T" "C" "A" "T" "A" "G" "T"
## [10279] "T" "T" "A" "A" "C" "A" "A" "C" "A" "T" "T" "T" "T" "G" "G" "G" "T" "G"
## [10297] "T" "T" "C" "G" "A" "T" "T" "T" "C" "G" "G" "T" "C" "G" "A" "C" "T" "C"
  [10315] "T" "A" "G" "T" "A" "G" "T" "A" "C" "A" "A" "T" "A" "T" "T" "C" "G" "T"
  [10333] "A" "G" "C" " " "T" "C" "T" "A" "T" "G" "T" "T" "A" "G" "A" "C" "A" "T"
  [10351] "G" "A" "G" "T" "A" "A" "T" "C" "G" "T" "A" "C" "T" "A" "C" "A" "G" "A"
## [10369] "T" "G" "T" "C" "T" "G" "T" "C" "G" "T" "G" "G" "T" "G" "G" "A" "T" "T"
  [10387] "T" "A" "A" "C" "G" "T" "T" "G" "C" "A" "C" "A" "A" "T" "A" "T" "G" "T"
## [10405] "G" "C" " "A" "T" "C" "G" "T" "C" "T" "G" "A" "A" "A" "T" "C" "A" "C"
## [10423] "C" "A" "T" "G" "T" "A" "T" "T" "A" "G" "A" "T" "A" "T" "A" "G" "A" "C"
## [10441] "T" "G" "T" "G" "A" "T" "G" "A" "A" "C" "A" "A" "A" "A" "G" "G" "T" "A"
  [10459] "C" "T" "C" "T" "G" "A" "G" "T" "G" "T" "A" "C" "C" "T" "G" "A" "C" "A"
  [10477] "G" " "T" "C" "T" "C" "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "T" "A"
  ## [10513] "T" "G" "T" "T" "T" "T" "C" "G" "T" "G" "A" "A" "A" "A" "T" "A" "G" "T"
## [10531] "T" "T" "T" "C" "G" "G" "C" "C" "A" "C" "A" "C" "A" "C" "T" "T" "A"
## [10549] " " "C" "G" "T" "A" "C" "A" "A" "A" "T" "A" "A" "A" "T" "G" "T" "A" "T"
## [10567] "G" "T" "T" "T" "G" "A" "C" "G" "G" "T" "G" "G" "T" "A" "G" "T" "G" "T"
## [10585] "T" "G" "G" "T" "C" "C" "G" "T" "T" "C" "A" "A" "T" "T" "C" "C" "A" "A"
[10621] "G" "T" "T" "T" "A" "G" "A" "T" "G" "T" "T" "T" "G" "T" "T" "A" "C" "C"
## [10639] "T" "T" "A" "A" "T" "C" "G" "T" "C" "C" "T" "A" "T" "A" "G" "A" "T" "A"
  [10657] "G" "C" "T" "G" "T" "A" "A" "C" "G" "T" "T" "A" "A" "G" "G" "T" "T" "T"
## [10675] "T" "A" "T" "C" "C" "G" "T" "A" "T" "G" "T" "G" "T" "A" "G" " " "A"
## [10693] "C" "A" "C" "T" "T" "A" "A" "A" "C" "A" "G" "T" "C" "T" "T" "A" "C" "A"
## [10711] "C" "A" "C" "C" "G" "T" "A" "T" "C" "T" "T" "A" "T" "A" "T" "C" "T" "T" "A"
  [10747] "C" "G" "A" "A" "A" "A" "C" "A" "G" "T" "G" "A" "T" "G" "T" "T" "T" " " "C" "C"
## [10765] "G" "A" "C" "A" "C" "G" "T" "A" "G" "T" "A" "T" "C" "T" "T" "G" "A" "A"
## [10783] "G" "G" "T" "A" "A" "G" "A" "T" "G" "T" "A" "G" "T" "C" "G" "A" "A" "C"
## [10801] "T" "C" "C" "A" "T" "G" "T" "G" "T" "G" "A" "A" "T" "T" "A" "T" "C" "G"
## [10819] "A" "A" "A" "T" "C" "C" "C" "A" "A" "T" "G" "G" "T" "T" " " "A" "C" "A"
## [10837] "G" "C" "A" "C" "T" "T" "C" "T" "T" "G" "A" "C" "C" "C" "T" "T" "A" "A"
## [10855] "A" "C" "A" "G" "A" "C" "G" "A" "T" "T" "A" "T" "T" "A" "C" "G" "T" "C"
  [10873] "G" "A" "A" "A" "T" "T" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "C" "A" "A"
##
  [10891] "C" "T" "T" "G" "G" "A" "A" "A" "G" "A" "T" "G" "T" " " "T" "C" "G" "G"
## [10909] "C" "G" "T" "A" "A" "T" "T" "A" "G" "A" "A" "G" "T" "C" "A" "A" "G" "T"
## [10927] "A" "G" "T" "G" "G" "T" "T" "A" "A" "T" "A" "T" "C" "C" "T" "A" "T" "A"
## [10945] "A" "G" "T" "T" "A" "T" "C" "A" "G" "G" "T" "C" "A" "G" "T" "T" "G" "T"
## [10963] "G" "C" "G" "A" "A" "T" "T" "G" "T" "T" "T" "C" " " "G" "T" "G" "A" "G"
## [10981] "C" "A" "C" "C" "T" "G" "T" "C" "G" "A" "T" "C" "T" "G" "T" "G" "G" "A"
  [10999] "T" "C" "A" "G" "T" "A" "C" "T" "A" "C" "G" "T" "A" "G" "T" "G" "T"
  [11017] "T" "G" "A" "T" "C" "G" "A" "T" "G" "T" "A" "C" "A" "C" "A" "C" "A" "A"
  [11035] "T" "G" "G" "T" "A" "C" "C" "T" "G" "A" "A" " " "C" "T" "G" "T" "T" "A"
[11071] "C" "A" "T" "C" "C" "A" "A" "T" "G" "G" "A" "C" "A" "T" "T" "T" "G"
## [11089] "G" "G" "G" "T" "A" "A" "C" "A" "A" "C" "T" "T" "G" "T" "A" "G" "T" "T"
## [11107] "A" "G" "T" "A" "T" "T" "G" "C" "C" " " " "T" "A" "A" "T" "A" "T" "C"
## [11125] "T" "G" "C" "A" "T" "T" "A" "G" "T" "T" "A" "G" "G" "G" "T" "T" "A" "G"
```

```
## [11143] "C" "T" "T" "A" "C" "T" "A" "C" "G" "G" "T" "T" "G" "T" "C" "C" "G" "T"
  [11161] "A" "T" "T" "C" "A" "C" "A" "G" "A" "C" "T" "T" "C" "G" "G" "T" "C" "A" "C"
## [11179] "C" "T" "T" "T" "T" "C" "G" "T" "A" " " "C" "A" "C" "C" "G" "T" "G" "C"
## [11197] "A" "G" "A" "T" "A" "G" "T" "G" "T" "A" "T" "C" "T" "G" "T" "G" "T"
## [11215] "C" "C" "A" "C" "G" "C" "G" "A" "G" "T" "C" "C" "A" "G" "G" "A" "T" "A"
## [11233] "A" "A" "A" "G" "T" "G" "T" "T" "T" "T" "A" "T" "G" "A" "A" "G" "T" "A"
## [11251] "T" "C" "T" "A" "C" "A" "G" "T" " " "T" "G" "A" "G" "T" "T" "T" "C" "G"
## [11269] "G" "T" "A" "C" "A" "C" "G" "G" "T" "A" "T" "T" "C" "T" "G" "T" "T"
## [11287] "T" "A" "T" "G" "C" "T" "G" "A" "G" "A" "G" "A" "G" "T" "C" "T" "C" "T"
## [11305] "C" "T" "A" "A" "A" "A" "A" "T" "T" "C" "A" "C" "A" "C" "A" "G" "T" "G"
  [11323] "A" "A" "T" "T" "G" "T" "A" " " "A" "A" "C" "A" "T" "G" "T" "T" "A" "G"
## [11341] "A" "A" "A" "T" "A" "T" "G" "C" "G" "T" "G" "A" "T" "G" "T" "A" "A" "G"
## [11359] "G" "T" "T" "C" "C" "T" "T" "C" "A" "G" "G" "A" "A" "A" "A" "C" "A" "T" "G"
## [11377] "T" "A" "T" "T" "C" "A" "C" "A" "T" "A" "C" "T" "C" "C" "A" "C" "A"
## [11395] "A" "A" "T" "T" "T" "A" " " "A" "C" "T" "A" "G" "A" "G" "G" "T" "C" "C"
## [11413] "G" "C" "C" "A" "C" "C" "A" "A" "A" "T" "C" "G" "T" "G" "A" "T" "T" "G"
  [11431] "A" "G" "A" "C" "C" "T" "T" "T" "T" "T" "A" "G" "A" "C" "A" "T" "A" "A"
  [11449] "T" "A" "A" "T" "C" "C" "A" "C" "A" "T" "A" "G" "T" "T" "G" "T" "A" "T"
## [11467] "T" "G" "G" "A" "C" " " "A" "T" "C" "C" "A" "T" "G" "T" "C" "G" "T" "T"
## [11485] "G" "A" "T" "C" "C" "A" "A" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "C"
## [11503] "T" "T" "T" "T" "T" "G" "G" "A" "T" "C" "G" "A" "C" "A" "T" "T" "T" "T" "C"
## [11521] "C" "A" "T" "T" "T" "A" "A" "C" "C" "A" "T" "G" "G" "T" "T" "G" "T" "C"
## [11539] "G" "A" "A" "G" " " "A" "G" "A" "T" "C" "A" "T" "C" "G" "T" "A" "C" "T"
## [11557] "G" "T" "G" "G" "G" "G" "A" "G" "C" "T" "G" "T" "A" "G" "C" "T" "T" "C"
## [11575] "G" "G" "T" "T" "A" "G" "G" "T" "A" "C" "G" "T" "G" "C" "A" "T" "G" "T"
  [11593] "A" "C" "A" "G" "A" "A" "T" "A" "T" "C" "G" "A" "A" "G" "A" "A" "G" "C"
## [11611] "G" "C" "C" " " "C" "A" "C" "T" "A" "T" "T" "T" "G" "T" "A" "C" "A" "A"
  [11629] "T" "C" "C" "C" "A" "T" "T" "G" "G" "T" "A" "A" "T" "T" "G" "A" "A" "C"
## [11665] "G" "T" "A" "G" "T" "A" "T" "C" "T" "C" "T" "A" "C" "T" "C" "A" "G" "A"
## [11683] "A" "G" " "A" "T" "A" "T" "C" "C" "A" "G" "T" "A" "C" "A" "G" "G" "A"
  [11701] "A" "T" "C" "C" "A" "T" "A" "C" "G" "G" "T" "C" "C" "A" "T" "G" "C" "A"
  [11719] "G" "T" "T" "G" "T" "G" "T" "A" "T" "T" "T" "G" "G" "A" "A" "G" "T" "C"
## [11737] "A" "A" "A" "A" "C" "T" "T" "A" "A" "A" "C" "A" "C" "A" "G" "T" "T"
## [11755] "G" " "T" "G" "A" "C" "T" "C" "C" "A" "C" "A" "C" "A" "T" "C" "C" "A"
## [11773] "C" "G" "G" "A" "C" "A" "C" "A" "T" "C" "C" "T" "A" "C" "A" "T" "T" "G"
## [11791] "G" "G" "T" "C" "A" "C" "T" "A" "A" "T" "G" "G" "A" "A" "T" "G" "A" "T"
## [11809] "G" "T" "T" "A" "G" "A" "A" "A" "T" "T" "T" "C" "T" "C" "A" "G" "G" "A"
## [11827] " " "C" "A" "A" "T" "G" "T" "A" "A" "A" "A" "G" "T" "C" "G" "A" "A" "C"
## [11845] "A" "T" "T" "T" "C" "A" "A" "C" "G" "G" "T" "G" "T" "A" "A" "G" "G" "A"
## [11863] "T" "G" "C" "A" "C" "C" "T" "T" "A" "A" "A" "G" "T" "T" "C" "T" "G" "A"
## [11881] "A" "C" "A" "T" "T" "T" "A" "A" "C" "G" "T" "T" "G" "A" "A" "A" "C" "A" "
## [11899] "G" "T" "A" "T" "T" "T" "C" "C" "A" "G" "A" "G" "A" "T" "A" "G" "T" "C"
## [11917] "T" "G" "T" "A" "A" "T" "A" "C" "G" "T" "T" "T" "C" "A" "T" "A" "C" "G"
## [11935] "G" "A" "T" "G" "A" "A" "A" "A" "C" "G" "A" "G" "A" "C" "C" "A" "T" "T"
## [11953] "A" "T" "C" "G" "T" "T" "G" "T" "A" "A" "T" "T" "T" "A" "G" "A" " " "C"
  [11971] "A" "A" "A" "T" "G" "T" "A" "A" "T" "G" "T" "T" "C" "T" "C" "A" "C" "T"
## [11989] "C" "G" "A" "C" "A" "A" "A" "G" "T" "C" "A" "C" "C" "A" "A" "A" "C" "T"
  [12007] "C" "A" "C" "T" "T" "A" "T" "A" "C" "T" "G" "T" "A" "T" "C" "A" "G" "C"
## [12025] "A" "T" "A" "A" "G" "A" "C" "T" "C" "G" "G" "G" "A" "C" "A" " " "C" "T"
## [12043] "A" "C" "T" "T" "A" "G" "T" "T" "G" "T" "C" "A" "A" "A" "A" "C" "T" "C" "A"
## [12061] "A" "C" "C" "A" "T" "C" "A" "G" "G" "G" "T" "T" "T" "T" "A" "G" "A" "A"
## [12079] "A" "C" "T" "C" "C" "G" "A" "T" "G" "T" "C" "G" "T" "A" "A" "G" "A" "C"
## [12097] "A" "C" "T" "T" "A" "A" "T" "A" "T" "C" "C" "A" "C" " " "T" "T" "T"
```

```
[12133] "T" "T" "C" "G" "T" "C" "C" "A" "A" "A" "T" "G" "C" "A" "C" "A" "C" "T"
## [12169] "G" "A" "T" "A" "A" "A" "C" "A" "C" "G" "G" "G" "A" " " "C" "A" "A" "T"
## [12187] "T" "A" "A" "C" "G" "T" "C" "T" "A" "C" "T" "T" "T" "G" "T" "A" "G" "T"
## [12205] "A" "C" "G" "C" "A" "C" "T" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "T"
## [12223] "A" "T" "T" "T" "T" "G" "T" "A" "A" "A" "A" "T" "T" "T" "N" "G" "T" "A"
## [12241] "A" "C" "T" "C" "G" "A" "C" "T" "A" "A" "A" "C" " " " "A" "G" "A" "A" "A" "A"
## [12259] "T" "A" "C" "A" "C" "G" "A" "A" "A" "T" "T" "C" "G" "A" "A" "T" "A" "A"
## [12277] "T" "A" "G" "T" "A" "T" "T" "T" "G" "G" "T" "T" "T" "C" "G" "T" "G" "A"
## [12295] "G" "T" "G" "T" "C" "A" "C" "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "G"
## [12313] "T" "C" "G" "T" "C" "C" "T" "G" "T" "T" "G" " " "C" "G" "G" "C" "T" "G"
## [12331] "T" "T" "C" "A" "A" "G" "G" "C" "T" "C" "C" "T" "T" "G" "T" "A" "C" "A"
## [12349] "G" "A" "C" "C" "T" "G" "G" "A" "T" "A" "T" "C" "A" "A" "A" "A" "A" "G" "T"
## [12367] "A" "T" "T" "C" "A" "G" "A" "T" "G" "T" "G" "T" "G" "A" "C" "T" "T" "A"
## [12385] "A" "C" "T" "T" "A" "T" "A" "A" "G" " " "A" "C" "C" "A" "A" "G" "A"
  [12403] "T" "C" "A" "C" "A" "C" "G" "G" "G" "A" "A" "A" "T" "C" "A" "A" "T" "C" "G"
## [12421] "T" "T" "A" "C" "A" "C" "G" "C" "A" "C" "C" "A" "C" "G" "T" "C" "C" "A"
## [12439] "T" "T" "A" "A" "C" "T" "C" "G" "T" "C" "C" "A" "G" "C" "G" "G" "T"
## [12457] "T" "A" "C" "A" "T" "G" "T" "G" "T" " "A" "T" "C" "A" "C" "G" "A" "A"
## [12475] "T" "C" "G" "T" "G" "T" "A" "T" "T" "A" "G" "A" "C" "C" "G" "T" "A" "A"
## [12493] "C" "T" "G" "T" "T" "G" "T" "G" "A" "G" "T" "T" "T" "A" "G" "T" "A" "T"
## [12511] "T" "A" "A" "A" "C" "A" "C" "C" "G" "G" "T" "A" "A" "C" "T" "T" "T" "A"
## [12529] "A" "A" "G" "T" "A" "G" "T" "T" " " "T" "C" "T" "G" "T" "T" "G" "A" "T"
## [12547] "A" "T" "A" "G" "A" "C" "G" "A" "C" "A" "G" "A" "G" "A" "G" "A" "G" "T" "C"
## [12565] "C" "G" "T" "T" "A" "C" "G" "T" "A" "A" "A" "T" "G" "T" "C" "A" "T" "G"
## [12583] "T" "T" "T" "T" "C" "T" "G" "T" "A" "T" "G" "A" "C" "A" "A" "G" "A" "T"
## [12601] "T" "A" "C" "A" "A" "C" "T" " "T" "A" "A" "G" "T" "G" "A" "A" "A" "C"
## [12619] "T" "T" "A" "A" "A" "T" "A" "G" "T" "T" "T" "T" "G" "T" "G" "A" "G" "A"
## [12637] "T" "G" "T" "G" "C" "T" "C" "G" "T" "G" "C" "A" "C" "G" "T" "C" "C" "A"
## [12655] "T" "A" "T" "T" "A" "A" "G" "A" "T" "G" "A" "T" "G" "T" "A" "A" "A" "A" "T"
  [12673] "A" "G" "A" "T" "A" "T" " "C" "C" "G" "T" "T" "T" "A" "T" "A" "A" "A" "A"
## [12691] "A" "T" "T" "A" "C" "G" "G" "A" "A" "G" "A" "G" "T" "G" "T" "A" "T" "C"
## [12709] "A" "C" "G" "T" "A" "G" "T" "T" "G" "T" "C" "G" "C" "C" "G" "T" "A" "C"
## [12727] "T" "C" "T" "C" "G" "T" "T" "C" "G" "A" "C" "A" "T" "A" "T" "G" "T" "G"
## [12745] "A" "T" "A" "C" "G" " " "C" "T" "C" "G" "T" "C" "T" "T" "C" "C" "C" "A"
## [12763] "T" "C" "A" "T" "C" "T" "C" "C" "C" "G" "A" "T" "C" "C" "G" "G" "T" "T"
## [12781] "A" "T" "C" "G" "T" "T" "T" "T" "A" "C" "T" "G" "A" "G" "A" "A" "A" "T" "G"
## [12799] "G" "T" "C" "A" "T" "G" "G" "T" "C" "C" "A" "C" "C" "A" "G" "G" "G" "A"
## [12817] "C" "C" "T" "C" " "A" "C" "A" "T" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A"
## [12835] "A" "C" "G" "T" "A" "T" "G" "G" "T" "T" "G" "G" "A" "A" "A" "A" "A" "C" "T"
## [12853] "A" "T" "T" "A" "A" "A" "C" "G" "T" "T" "G" "T" "A" "A" "C" "G" "A" "T"
## [12871] "C" "T" "T" "T" "T" "G" "A" "G" "T" "A" "G" "A" "C" "T" "C" "T" "A" "T"
## [12889] "A" "A" "C" " "T" "C" "A" "C" "A" "A" "C" "C" "C" "A" "T" "A" "T" "T"
## [12907] "C" "G" "G" "T" "C" "A" "T" "T" "A" "A" "G" "A" "T" "T" "G" "T" "A" "T"
## [12925] "C" "A" "C" "G" "A" "G" "A" "A" "C" "A" "C" "C" "G" "T" "G" "A" "T" "C"
  [12943] "A" "C" "A" "T" "C" "C" "A" "C" "G" "T" "G" "A" "A" "T" "T" "A" "C" "C"
## [12961] "G" "T" " "A" "A" "T" "G" "A" "C" "A" "T" "A" "C" "A" "C" "T" "A" "C"
  [12979] "A" "G" "T" "C" "G" "T" "G" "T" "T" "T" "T" "A" "T" "T" "A" "G"
## [12997] "G" "T" "T" "G" "T" "A" "A" "T" "T" "A" "A" "A" "A" "C" "A" "T" "T" "C"
## [13015] "A" "A" "C" "A" "A" "C" "A" "T" "G" "G" "A" "G" "C" "C" "A" "T" "T" "T"
## [13033] "G" " "T" "T" "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "T" "A" "T" "C"
## [13051] "A" "G" "T" "G" "G" "A" "A" "A" "A" "G" "T" "T" "T" "C" "C" "A" "C"
## [13069] "A" "T" "G" "A" "G" "A" "G" "G" "A" "T" "A" "A" "A" "C" "A" "T" "G" "A"
```

```
## [13087] "A" "A" "T" "G" "A" "C" "A" "A" "A" "A" "A" "T" "C" "A" "A" "T" "G" "T"
  [13105] " " "G" "C" "T" "A" "T" "T" "G" "G" "T" "C" "A" "T" "T" "T" "C" "T" "G"
  [13123] "T" "A" "T" "T" "A" "A" "A" "G" "C" "C" "A" "A" "A" "T" "T" "C" "A" "C" "C"
## [13141] "A" "C" "C" "A" "G" "A" "T" "C" "C" "A" "A" "A" "T" "G" "G" "T" "T" "G"
## [13159] "A" "A" "G" "G" "G" "T" "A" "C" "T" "T" "T" "C" "T" "A" "C" "A" "T" "
## [13177] "T" "A" "A" "G" "A" "G" "A" "C" "A" "G" "T" "C" "T" "G" "T" "C" "G" "T"
## [13195] "G" "A" "A" "G" "T" "G" "C" "A" "T" "G" "T" "C" "A" "T" "C" "G" "T" "T"
## [13213] "A" "T" "G" "G" "T" "A" "T" "C" "T" "G" "T" "C" "A" "A" "A" "A" "T" "T"
  [13231] "T" "A" "C" "A" "G" "A" "G" "A" "G" "T" "C" "A" "T" "C" "A" "T" "C" "A"
  [13249] "A" "A" "C" "T" "C" "G" "C" "A" "A" "A" "G" "A" "C" "G" "A" "C" "G" "A" "C" "G" "T"
  [13267] "T" "T" "T" "T" "C" "G" "A" "A" "C" "T" "C" "A" "G" "A" "A" "A" "A" "G" "T"
## [13285] "C" "A" "T" "G" "T" "C" "C" "A" "C" "A" "A" "T" "C" "G" "A" "T" "T" "T"
## [13303] "T" "A" "C" "A" "T" "T" "A" "G" "T" "G" "G" "T" "C" "G" "T" " "A" "A"
## [13321] "A" "C" "A" "G" "G" "T" "C" "A" "G" "T" "G" "T" "A" "C" "A" "A" "C" "G"
## [13339] "T" "T" "A" "A" "C" "G" "T" "A" "A" "T" "T" "T" "C" "A" "G" "T" "C" "A"
## [13357] "T" "T" "G" "T" "A" "A" "T" "A" "G" "C" "G" "A" "T" "G" "G" "T" "T" "G"
  [13393] "T" "T" "G" "G" "T" "T" "T" "T" "T" "G" "A" "A" "C" "A" "G" "G" "T" "A"
## [13411] "A" "T" "C" "G" "T" "G" "T" "G" "T" "A" "C" "C" "T" "T" "T" "T" "G"
## [13447] "T" "A" "A" "A" "T" "G" "T" "T" "A" "T" "A" "T" "A" "T" " " "C" "G" "A" "G"
## [13465] "T" "A" "T" "G" "G" "A" "G" "G" "A" "T" "T" "C" "A" "T" "T" "T" "C" "A"
## [13483] "A" "C" "T" "C" "A" "G" "T" "G" "T" "A" "G" "A" "C" "A" "C" "T" "G" "T"
## [13501] "A" "G" "T" "G" "T" "T" "G" "G" "A" "C" "C" "T" "C" "G" "T" "A" "A" "C"
## [13519] "G" "T" "T" "T" "G" "T" "A" "T" "G" "C" "C" "T" " " "A" "A" "T" "T" "G"
  [13537] "T" "C" "T" "G" "T" "T" "C" "T" "G" "A" "T" "T" "A" "A" "A" "A" "T" "A" "C"
## [13555] "A" "C" "T" "A" "C" "A" "A" "C" "C" "A" "T" "A" "C" "T" "G" "T" "A" "C"
  [13573] "C" "A" "G" "C" "A" "T" "T" "G" "T" "C" "G" "T" "A" "A" "A" "A" "T" "G" "T"
## [13591] "T" "G" "T" "A" "T" "T" "C" "T" "T" "A" "C" " " "C" "A" "G" "A" "T" "G"
## [13609] "C" "A" "T" "A" "C" "G" "T" "T" "C" "G" "T" "G" "G" "T" "G" "T" "A" "G"
## [13627] "A" "A" "T" "T" "A" "C" "T" "T" "C" "A" "G" "A" "C" "A" "C" "T" "T" "A"
  [13645] "A" "C" "G" "T" "T" "T" "C" "T" "T" "G" "T" "G" "T" "G" "T" "C" "G" "G"
  [13663] "G" "T" "T" "G" "T" "C" "G" "G" "A" "C" " " "A" "T" "T" "C" "T" "G" "A"
## [13681] "C" "A" "T" "A" "C" "G" "C" "C" "A" "C" "A" "T" "G" "T" "A" "T"
## [13699] "C" "G" "G" "A" "G" "T" "A" "T" "T" "T" "T" "G" "A" "G" "T" "C" "C" "A"
## [13717] "A" "G" "G" "G" "T" "T" "A" "T" "G" "G" "A" "A" "C" "T" "T" "C" "A" "C"
## [13735] "A" "A" "T" "A" "G" "T" "A" "A" "T" " " "C" "A" "T" "T" "C" "G" "T" "A"
## [13753] "T" "T" "G" "T" "C" "T" "A" "T" "G" "T" "A" "C" "A" "C" "A" "G" "A" "T" "T"
## [13771] "G" "T" "A" "C" "A" "C" "A" "G" "G" "A" "C" "A" "A" "T" "T" "G" "A" "G"
## [13789] "T" "A" "G" "T" "A" "C" "A" "T" "C" "G" "A" "A" "A" "G" "A" "A" "T" "A"
## [13807] "C" "A" "T" "A" "A" "C" "A" "T" " ""T" "C" "A" "T" "G" "T" "T" "T" "A"
## [13825] "C" "T" "T" "T" "C" "T" "G" "T" "A" "G" "T" "C" "G" "T" "A" "T" "A" "T" "G" "T" "A" "T" "A" "T" "G" "A"
## [13843] "G" "G" "A" "C" "T" "A" "A" "T" "C" "C" "T" "A" "C" "A" "A" "A" "T" "C"
## [13861] "A" "T" "T" "C" "A" "C" "C" "C" "A" "T" "T" "C" "G" "T" "A" "G" "A" "T"
## [13879] "A" "T" "C" "G" "A" "T" "T" " " "T" "C" "T" "G" "T" "G" "T" "G" "T" "T" "G"
## [13897] "G" "C" "A" "A" "G" "T" "T" "A" "G" "T" "A" "T" "T" "C" "A" "C" "A" "T"
   [13915] "G" "G" "T" "A" "G" "A" "C" "A" "A" "A" "A" "A" "T" "G" "C" "T" "A" "T"
  [13933] "A" "G" "T" "A" "G" "A" "T" "G" "T" "T" "T" "T" "G" "T" "C" "G" "G" "C"
  [13951] "C" "G" "G" "G" "G" "A" " " "T" "C" "C" "T" "A" "A" "G" "A" "A" "C" "T"
## [13969] "A" "C" "C" "C" "A" "G" "A" "C" "C" "C" "A" "T" "T" "C" "C" "T" "T" "C"
## [13987] "C" "A" "T" "G" "T" "G" "T" "A" "T" "A" "G" "T" "A" "G" "T" "G" "G"
## [14005] "G" "A" "C" "A" "A" "A" "T" "T" "G" "A" "T" "C" "G" "T" "A" "A" "C" "A"
## [14023] "T" "A" "C" "A" "A" " " "C" "T" "C" "T" "C" "G" "T" "T" "T" "T" "A" "A"
## [14041] "G" "T" "A" "C" "T" "C" "C" "A" "G" "G" "A" "A" "A" "T" "C" "A" "T" "T"
```

```
## [14059] "C" "C" "A" "G" "T" "C" "A" "G" "A" "G" "T" "C" "A" "G" "G" "T" "T" "G"
  [14077] "T" "A" "A" "A" "A" "C" "G" "A" "A" "G" "T" "C" "T" "G" "T" "A" "T" "A" "T"
## [14095] "T" "T" "T" "G" " " "T" "A" "A" "C" "A" "A" "A" "A" "C" "T" "A" "T" "T"
## [14113] "A" "T" "T" "T" "C" "T" "G" "A" "C" "T" "G" "A" "A" "A" "A" "T" "T" "T" "C"
## [14131] "A" "A" "G" "A" "A" "A" "T" "A" "C" "G" "A" "T" "C" "G" "G" "T" "G" "A"
## [14149] "T" "C" "T" "G" "G" "A" "A" "C" "T" "C" "T" "A" "C" "G" "T" "A" "T" "T"
## [14167] "C" "A" "C" " " "G" "A" "T" "A" "A" "T" "T" "T" "T" "G" "T" "G" "T" "G"
## [14185] "T" "T" "G" "T" "C" "G" "T" "A" "G" "C" "A" "G" "T" "C" "T" "T" "T" "C"
## [14203] "A" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "C" "T" "C" "T" "T" "T" "A" "C"
## [14221] "A" "A" "A" "T" "G" "C" "G" "T" "T" "A" "T" "A" "C" "G" "C" "A" "T"
## [14239] "T" "T" " "T" "G" "A" "G" "T" "A" "A" "G" "T" "G" "T" "T" "T" "C" "A"
## [14257] "G" "A" "C" "A" "C" "A" "G" "T" "T" "G" "T" "A" "G" "A" "G" "A" "T" "A"
## [14275] "A" "A" "G" "A" "T" "A" "T" "C" "T" "C" "T" "G" "T" "G" "A" "G" "T" "A"
## [14293] "T" "T" "T" "C" "A" "G" "A" "C" "A" "C" "A" "A" "C" "A" "T" "T" "T" "A"
## [14311] "A" " " "C" "G" "C" "C" "T" "G" "T" "A" "T" "G" "A" "A" "T" "A" "G" "C"
## [14329] "C" "G" "T" "T" "A" "A" "A" "A" "C" "A" "A" "T" "G" "G" "T" "A" "G" "T"
## [14347] "C" "A" "T" "C" "T" "A" "T" "T" "T" "C" "A" "C" "G" "T" "A" "A" "T"
## [14365] "T" "G" "T" "A" "A" "C" "C" "G" "G" "C" "A" "C" "T" "G" "T" "C" "G" "A"
## [14383] " " "A" "C" "T" "G" "T" "T" "T" "A" "C" "A" "A" "T" "T" "T" "T" "T" "G"
## [14401] "T" "G" "A" "T" "A" "A" "T" "C" "G" "T" "A" "T" "T" "C" "G" "T" "C" "A"
## [14419] "A" "C" "A" "C" "C" "G" "T" "A" "G" "A" "G" "A" "C" "T" "A" "C" "T"
## [14437] "C" "C" "A" "A" "G" "G" "T" "G" "G" "A" "C" "C" "A" "A" "A" "T" "T" "
## [14455] "G" "T" "A" "T" "A" "T" "C" "A" "C" "T" "T" "G" "A" "C" "G" "G" "T" "G"
## [14473] "T" "G" "T" "A" "C" "T" "G" "G" "T" "A" "A" "A" "G" "T" "G" "A" "G" "T"
## [14491] "T" "A" "T" "G" "A" "A" "C" "T" "C" "G" "T" "G" "T" "G" "A" "G" "T" "A"
## [14509] "A" "T" "C" "G" "A" "T" "T" "A" "G" "A" "T" "A" "T" "C" "T" "T" "T" "T" "T"
## [14527] "G" "C" "C" "A" "C" "A" "C" "T" "G" "T" "T" "C" "G" "A" "T" "G" "T" "T"
## [14545] "G" "T" "G" "C" "A" "A" "C" "A" "T" "A" "C" "A" "A" "A" "C" "G" "C" "T"
## [14563] "C" "G" "T" "T" "C" "T" "T" "G" "T" "T" "C" "A" "C" "T" "C" "C" "G" "G"
## [14581] "T" "A" "T" "T" "A" "A" "G" "A" "T" "T" "C" "G" "T" "A" "C" " " "A" "A"
## [14599] "T" "C" "C" "G" "T" "A" "C" "C" "G" "A" "T" "A" "T" "A" "G" "T" "G" "T"
  [14617] "A" "A" "A" "T" "C" "C" "T" "A" "T" "T" "A" "G" "G" "G" "G" "T" "T" "G" "G"
## [14635] "G" "T" "A" "T" "T" "C" "C" "A" "C" "T" "C" "C" "C" "A" "A" "A" "A" "A" "G"
## [14653] "A" "T" "G" "T" "A" "G" "T" "G" "A" "T" "A" "T" "T" "T" "T" " "G" "T" "C"
## [14671] "A" "A" "A" "A" "A" "T" "T" "G" "T" "A" "C" "A" "A" "C" "A" "C" "G" "G"
## [14689] "T" "T" "G" "G" "T" "G" "G" "T" "A" "T" "C" "T" "T" "A" "A" "A" "C" "G"
## [14707] "A" "A" "C" "A" "A" "G" "G" "T" "T" "A" "A" "T" "G" "A" "T" "G" "T" "C"
## [14725] "A" "T" "C" "G" "A" "G" "G" "A" "G" "A" "T" "C" "A" " " " " "C" "C" "G" "G" "C"
## [14743] "C" "G" "A" "T" "A" "A" "C" "T" "A" "A" "A" "G" "T" "T" "A" "T" "T" "A"
## [14761] "A" "A" "A" "A" "C" "T" "A" "C" "T" "T" "T" "G" "A" "C" "A" "G" "A" "T"
## [14779] "A" "A" "C" "C" "A" "G" "T" "A" "T" "C" "A" "T" "G" "A" "T" "G" "T" "C"
## [14797] "T" "A" "T" "C" "T" "C" "T" "G" "T" "G" "T" "G" "T" " "" "C" "G" "A" "T" "G"
## [14815] "C" "C" "A" "C" "G" "C" "T" "C" "G" "A" "G" "A" "T" "A" "A" "G" "A" "A"
## [14833] "A" "C" "G" "T" "G" "A" "T" "T" "A" "C" "C" "G" "T" "A" "T" "G" "A" "A"
## [14851] "T" "T" "C" "T" "A" "A" "G" "T" "A" "A" "A" "C" "T" "C" "A" "A" "T" "A"
## [14869] "T" "C" "A" "T" "C" "C" "C" "T" "A" "C" "T" " "G" "T" "A" "A" "T" "G"
  [14887] "C" "A" "A" "A" "A" "C" "A" "T" "A" "T" "A" "C" "G" "C" "T" "T" "T" "T"
## [14905] "C" "A" "C" "G" "T" "A" "G" "A" "C" "T" "A" "G" "G" "T" "A"
## [14923] "T" "T" "G" "A" "G" "T" "A" "A" "C" "T" "T" "A" "G" "T" "A" "A" "T" "A"
## [14941] "T" "T" "C" "A" "G" "A" "T" "C" "G" " " "G" "A" "A" "T" "G" "G" "G"
## [14977] "G" "G" "T" "C" "G" "A" "C" "T" "A" "A" "A" "C" "A" "G" "A" "T" "C" "C"
## [14995] "A" "A" "C" "A" "A" "C" "T" "G" "C" "T" "A" "C" "T" "G" "A" "A" "C" "C"
## [15013] "A" "A" "T" "C" "G" "T" "A" "A" "T" " "T" "A" "T" "G" "T" "C" "G" "G"
```

```
## [15031] "T" "G" "G" "T" "A" "G" "C" "A" "T" "T" "G" "T" "T" "A" "G" "T" "T" "T"
  [15049] "C" "A" "T" "G" "A" "A" "T" "A" "G" "T" "T" "G" "T" "T" "G" "A" "A" "A" "G"
## [15067] "T" "T" "G" "A" "T" "G" "T" "T" "A" "T" "C" "A" "T" "C" "A" "A" "C"
## [15085] "A" "G" "A" "C" "T" "A" "T" "A" " " "G" "T" "G" "T" "G" "T" "A" "A" "C"
## [15103] "A" "A" "C" "C" "A" "T" "C" "T" "A" "A" "T" "A" "T" "T" "G" "C" "T" "A"
## [15121] "T" "C" "A" "T" "C" "A" "G" "T" "A" "T" "T" "A" "G" "C" "G" "A" "C" "T"
## [15139] "A" "T" "C" "G" "T" "C" "G" "T" "A" "A" "T" "G" "G" "T" "A" "G" "G" "A"
[15175] "A" "A" "A" "T" "T" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T" "G" "A" "A"
  [15193] "G" "G" "A" "A" "G" "G" "A" "A" "T" "T" "T" "C" "T" "T" "T" "T" "G" "G" "G"
  [15211] "A" "A" "T" "C" "T" "G" "T" "G" "T" "C" "G" "T" "T" "T" "T" "C" "A" "G" "T"
## [15229] "A" "T" "C" "T" "T" "C" " " "A" "G" "A" "A" "A" "C" "A" "A" "T" "T" "T"
## [15247] "T" "A" "A" "T" "G" "G" "C" "C" "C" "A" "A" "A" "A" "C" "T" "G" "T" "C" "A"
## [15265] "A" "A" "C" "T" "T" "T" "C" "G" "T" "T" "G" "T" "A" "A" "C" "A" "A"
## [15283] "T" "C" "A" "T" "T" "C" "A" "C" "G" "T" "C" "G" "A" "T" "G" "A" "C" "T"
## [15301] "T" "T" "C" "G" " " "T" "G" "C" "A" "T" "C" "A" "C" "G" "C" "A" "A"
  [15319] "A" "T" "A" "G" "A" "T" "C" "A" "T" "T" "A" "T" "C" "A" "T" "G"
  [15337] "G" "T" "C" "T" "T" "C" "G" "T" "C" "G" "C" "A" "C" "G" "T" "A" "T" "C"
## [15355] "G" "T" "C" "C" "C" "A" "G" "T" "C" "G" "T" "C" "G" "T" "A" "T" "G" "T"
## [15373] "G" "T" "T" "C" " " "A" "T" "T" "A" "A" "G" "G" "A" "A" "T" "T" "T" "T" "T"
## [15391] "G" "A" "T" "T" "C" "A" "G" "A" "T" "C" "T" "C" "G" "A" "T" "A" "C" "A"
## [15409] "T" "T" "C" "A" "A" "A" "T" "G" "T" "A" "G" "G" "A" "C" "T" "A" "A" "T"
## [15427] "A" "C" "A" "T" "G" "T" "T" "G" "T" "G" "G" "A" "T" "C" "G" "A" "G" "A"
## [15445] "G" "A" "C" " "T" "T" "C" "A" "C" "C" "A" "T" "A" "G" "G" "T" "C" "A"
## [15463] "A" "C" "T" "T" "T" "G" "A" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "G"
## [15499] "A" "G" "A" "G" "T" "G" "A" "T" "C" "A" "C" "C" "A" "G" "G" "T" "T" "T"
  [15517] "T" "G" " "A" "A" "A" "C" "A" "T" "T" "C" "A" "C" "C" "C" "T" "T" "G" "T"
## [15535] "G" "A" "C" "A" "T" "C" "T" "C" "T" "T" "A" "T" "T" "T" "T" "T" "G" "T" "A"
## [15553] "A" "T" "T" "T" "C" "A" "A" "A" "C" "G" "T" "G" "T" "T" "A" "C" "G" "T"
## [15571] "C" "T" "A" "C" "G" "T" "A" "G" "A" "G" "A" "G" "T" "A" "G" "T"
  [15589] "T" " "T" "G" "T" "C" "A" "A" "T" "T" "G" "T" "G" "T" "A" "A" "A"
## [15607] "C" "C" "C" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "C" "T" "A" "G" "G"
## [15643] "A" "G" "T" "T" "T" "C" "T" "C" "A" "A" "A" "A" "T" "T" "G" "G" "A" "G"
## [15661] " " "A" "G" "A" "A" "G" "G" "C" "A" "C" "T" "T" "C" "A" "G" "T" "A" "T"
## [15679] "A" "A" "A" "A" "T" "T" "G" "T" "T" "T" "A" "G" "G" "G" "T" "G" "A" "A"
## [15697] "T" "T" "A" "C" "A" "T" "T" "C" "G" "A" "A" "A" "A" "C" "A" "A" "T" "T"
## [15715] "C" "A" "G" "T" "C" "A" "C" "A" "G" "T" "T" "G" "T" "A" "C" "A" "C" " "
## [15733] "T" "G" "A" "G" "A" "C" "G" "T" "C" "A" "A" "T" "T" "T" "C" "G" "G" "G"
## [15751] "A" "C" "C" "A" "G" "T" "T" "C" "C" "A" "A" "T" "T" "A" "T" "A" "T" "C"
## [15769] "C" "G" "T" "A" "A" "T" "T" "G" "T" "T" "A" "C" "T" "T" "A" "T" "T" "A"
## [15787] "T" "T" "C" "T" "T" "A" "G" "A" "T" "G" "T" "T" "G" "T" "C" "C" " " "T"
## [15805] "T" "G" "A" "G" "G" "T" "G" "A" "T" "G" "G" "A" "C" "C" "G" "C" "A" "C"
## [15823] "C" "A" "A" "A" "C" "A" "T" "A" "C" "T" "T" "T" "A" "G" "T" "G" "G" "C"
## [15841] "T" "T" "A" "G" "T" "A" "T" "G" "G" "T" "C" "A" "A" "T" "G" "G" "T"
  [15859] "A" "A" "C" "T" "C" "T" "A" "G" "A" "A" "C" "T" "A" "A" "T" " "A" "G"
  [15877] "A" "T" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T" "G" "T" "G"
  [15895] "T" "T" "A" "T" "G" "G" "T" "C" "G" "T" "A" "A" "A" "A" "G" "C" "G" "T" "A"
## [15913] "C" "C" "G" "T" "A" "G" "T" "G" "T" "C" "T" "T" "A" "A" "C" "A" "T" "G"
## [15931] "A" "C" "A" "A" "A" "A" "A" "T" "T" "G" "T" "T" "T" "C" " " "G" "A" "A"
## [15949] "C" "C" "G" "C" "A" "T" "G" "T" "G" "C" "A" "A" "G" "T" "G" "G" "A" "T"
## [15967] "T" "C" "A" "A" "C" "C" "G" "C" "A" "T" "A" "T" "G" "C" "G" "C" "A" "T"
## [15985] "T" "A" "T" "A" "T" "A" "G" "A" "C" "C" "C" "A" "A" "A" "A" "A" "G" "A" "T"
```

```
## [16003] "G" "T" "T" "T" "T" "A" "G" "T" "A" "T" "G" "G" "T" " " "C" "A" "G" "G"
   [16021] "A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "T" "T" "T" "A" "T" "T" "A" "G" "T"
  [16039] "A" "G" "T" "A" "G" "T" "G" "T" "T" "G" "T" "T" "A" "A" "C" "A" "T" "A"
  [16057] "C" "A" "C" "T" "G" "T" "T" "C" "A" "T" "A" "A" "A" "G" "A" "A" "A" "A" "A"
## [16075] "T" "T" "A" "C" "A" "C" "A" "G" "T" "G" "T" "T" " " "A" "A" "T" "G" "G"
## [16093] "A" "A" "G" "T" "A" "G" "T" "T" "T" "T" "A" "C" "G" "G" "A" "A" "T" "T"
## [16111] "T" "C" "G" "T" "A" "T" "C" "T" "G" "C" "T" "C" "C" "A" "G" "A" "C" "G"
## [16129] "G" "T" "A" "A" "C" "A" "C" "A" "T" "A" "A" "A" "T" "C" "A" "T" "T" "C"
  [16147] "T" "G" "C" "A" "A" "C" "T" "G" "C" "A" "C" " "T" "A" "T" "A" "T" "A" "T" "A"
  [16165] "C" "A" "C" "C" "A" "T" "G" "G" "T" "A" "C" "A" "G" "T" "G" "G" "C" "A"
  [16183] "G" "A" "T" "A" "A" "G" "A" "T" "T" "T" "G" "A" "A" "T" "T" "T" "C" "T"
## [16201] "T" "C" "A" "G" "T" "A" "C" "A" "A" "A" "T" "C" "G" "T" "T" "G" "T" "C"
  [16219] "G" "A" "C" "C" "T" "G" "T" "T" "A" "G" " " "G" "A" "A" "A" "T" "T" "C" "A"
## [16255] "A" "G" "T" "A" "C" "A" "A" "C" "A" "T" "C" "A" "A" "T" "C" "A" "T" "C"
## [16273] "T" "T" "T" "C" "A" "C" "A" "C" "A" "G" "A" "G" "A" "A" "T" "T" "G" "A"
  [16291] "T" "G" "T" "T" "T" "C" "A" "T" "T" " "C" "T" "T" "A" "G" "T" "T" "A"
  [16309] "A" "T" "T" "T" "A" "A" "C" "A" "G" "T" "A" "G" "A" "A" "G" "C" "A" "G"
  [16327] "G" "A" "A" "A" "A" "G" "A" "A" "C" "C" "T" "T" "C" "G" "C" "T" "G" "T"
## [16345] "T" "G" "T" "T" "A" "A" "T" "C" "A" "A" "A" "A" "A" "T" "C" "C" "T" "T"
## [16363] "A" "A" "A" "T" "C" "G" "T" "T" " "T" "T" "G" "G" "T" "C" "G" "A" "T"
## [16381] "G" "A" "A" "A" "T" "A" "G" "T" "A" "A" "C" "A" "T" "C" "T" "A" "C" "A"
## [16399] "G" "T" "T" "T" "T" "C" "G" "G" "G" "A" "C" "A" "T" "A" "T" "G" "C" "T"
## [16417] "G" "T" "A" "G" "T" "C" "A" "T" "G" "A" "T" "C" "A" "C" "G" "G" "A" "C"
## [16435] "A" "C" "G" "G" "C" "G" "T" " " "G" "C" "A" "C" "A" "T" "T" "T" "C" "T"
  [16453] "G" "C" "C" "C" "G" "A" "C" "G" "T" "G" "A" "A" "T" "G" "T" "G" "C"
## [16471] "G" "T" "T" "T" "G" "G" "G" "C" "A" "A" "A" "T" "T" "T" "T" "T" "T" "G" "C"
  [16489] "T" "A" "A" "C" "A" "C" "G" "T" "A" "G" "T" "C" "G" "A" "C" "T" "G" "A"
## [16507] "C" "T" "T" "C" "G" "T" " "A" "C" "C" "C" "A" "A" "G" "C" "G" "C" "C"
## [16525] "T" "C" "A" "A" "C" "T" "A" "G" "T" "G" "T" "T" "G" "A" "T" "G" "T" "C"
## [16543] "G" "G" "T" "A" "T" "G" "G" "A" "A" "A" "G" "G" "T" "G" "T" "A" "T"
  [16561] "G" "G" "C" "G" "T" "C" "T" "G" "C" "C" "A" "T" "G" "T" "C" "T" "G" "A"
  [16579] "C" "A" "C" "A" "A" "A" " "A" "A" "T" "T" "C" "A" "C" "A" "T" "T" "T"
## [16597] "T" "G" "G" "G" "T" "G" "T" "C" "C" "A" "G" "T" "A" "A" "T" "C" "G"
## [16615] "T" "G" "T" "T" "C" "A" "A" "C" "A" "T" "C" "C" "A" "T" "A" "A" "A" "C"
## [16633] "A" "T" "G" "T" "A" "T" "G" "A" "A" "T" "G" "G" "A" "A" "A" "A" "T" "T"
## [16651] "C" "A" "G" "T" " "G" "T" "T" "T" "T" "A" "G" "G" "A" "A" "A" "T" "C"
## [16669] "C" "T" "A" "A" "A" "C" "C" "T" "A" "C" "T" "A" "G" "A" "T" "A" "C" "A"
## [16687] "C" "C" "G" "T" "T" "G" "C" "C" "G" "T" "C" "A" "T" "G" "T" "C" "T" "G"
## [16705] "T" "T" "G" "T" "G" "C" "T" "A" "C" "G" "T" "G" "G" "T" "G" "G" "T" "T"
## [16723] "T" "C" "C" " " "T" "A" "A" "G" "A" "A" "C" "T" "A" "G" "G" "T" "A" "T"
## [16741] "A" "A" "C" "C" "G" "A" "A" "G" "G" "C" "C" "A" "C" "A" "T" "T" "G" "A"
  [16759] "C" "A" "A" "T" "A" "A" "C" "G" "G" "A" "C" "T" "G" "G" "T" "C" "A" "T"
## [16777] "G" "G" "T" "C" "A" "C" "A" "C" "A" "T" "G" "T" "G" "T" "T" "G"
## [16795] "T" "A" " "G" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "T" "C" "A"
## [16813] "C" "T" "A" "A" "C" "C" "A" "A" "C" "G" "G" "G" "G" "G" "T" "G" "A"
   [16831] "T" "C" "G" "A" "T" "C" "T" "A" "T" "T" "A" "G" "A" "A" "A" "A" "C" "A" "T"
  [16849] "T" "C" "G" "A" "A" "A" "T" "C" "G" "T" "C" "G" "T" "A" "G" "A" "T" "G"
  [16867] "T" " " "C" "G" "T" "T" "T" "T" "C" "G" "T" "G" "T" "C" "T" "T" "T" "C"
## [16885] "T" "A" "T" "T" "A" "T" "G" "T" "C" "A" "A" "C" "T" "T" "A" "A" "C" "C"
## [16903] "G" "T" "C" "C" "G" "T" "G" "A" "A" "G" "A" "C" "A" "A" "C" "G" "T" "A"
## [16921] "A" "T" "G" "G" "T" "C" "G" "A" "A" "C" "A" "T" "C" "T" "G" "C" "A" "T"
## [16939] " " "G" "A" "C" "A" "C" "G" "T" "C" "G" "A" "T" "T" "T" "T" "G" "A" "T"
## [16957] "G" "G" "T" "T" "C" "A" "T" "G" "G" "T" "A" "T" "G" "G" "A" "G" "A" "T"
```

```
## [16975] "A" "A" "A" "T" "C" "C" "A" "A" "C" "A" "A" "A" "T" "T" "A" "G" "G" "A"
   ## [17011] "G" "A" "A" "G" "T" "G" "A" "A" "A" "C" "C" "T" "G" "G" "A" "A" "A" "A"
## [17029] "T" "C" "C" "A" "C" "A" "C" "A" "G" "A" "T" "T" "T" "G" "T" "T" "T"
## [17047] "G" "G" "A" "T" "G" "T" "T" "C" "C" "A" "C" "C" "A" "A" "G" "G" "T" "C"
## [17065] "A" "A" "G" "A" "C" "A" "T" "A" "T" "T" "A" "T" "A" "T" "C" "A" "T" " "G"
## [17083] "G" "T" "C" "A" "A" "G" "G" "T" "A" "G" "T" "G" "A" "G" "A" "A" "T" "C"
## [17101] "C" "C" "T" "T" "A" "G" "A" "T" "C" "G" "G" "G" "T" "A" "A" "A" "A" "G" "T"
   [17119] "T" "T" "A" "G" "G" "A" "C" "A" "T" "T" "A" "G" "G" "C" "T" "A" "T"
## [17137] "T" "G" "T" "C" "A" "C" "G" "T" "T" "C" "A" "T" "G" "T" "T" "T" "G"
  [17155] "G" "A" "T" "G" "G" "A" "G" "G" "G" "A" "A" "A" "C" "A" "A" "C" "A" "C" "A" "C"
## [17173] "A" "A" "C" "A" "T" "C" "A" "T" "T" "C" "G" "A" "T" "T" "G" "C" "G" "T"
## [17191] "A" "A" "C" "A" "G" "T" "A" "G" "T" "C" "A" "C" "G" "T" "T" "C" "G" "T"
## [17209] "C" "A" "A" "A" "C" "A" "C" "A" "T" "C" "A" "T" "G" "G" " " "C" "C" "G"
## [17227] "T" "C" "G" "T" "G" "T" "T" "C" "T" "G" "T" "A" "G" "A" "C" "A" "G" "C"
## [17245] "A" "T" "C" "A" "C" "G" "T" "T" "G" "T" "C" "C" "T" "G" "A" "T" "T" "C"
## [17263] "G" "A" "G" "T" "A" "A" "T" "A" "G" "A" "C" "A" "T" "T" "A" "A" "A" "A"
## [17281] "C" "T" "G" "T" "C" "G" "T" "C" "T" "T" "A" "A" "C" " " "C" "G" "G" "G"
## [17299] "A" "A" "T" "T" "T" "C" "G" "A" "C" "A" "A" "T" "G" "T" "T" "A" "T" "T"
## [17317] "C" "T" "C" "C" "G" "G" "T" "A" "C" "G" "A" "T" "T" "T" "A" "A" "T" "C"
## [17335] "C" "A" "C" "T" "T" "A" "A" "C" "A" "G" "G" "T" "A" "T" "G" "A" "T" "T"
## [17353] "A" "A" "A" "G" "T" "G" "A" "T" "T" "C" "A" "A" " " "C" "T" "T" "G" "T"
## [17371] "T" "A" "A" "A" "A" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "A" "G" "A"
## [17389] "T" "G" "T" "T" "G" "G" "A" "C" "A" "A" "C" "C" "T" "A" "A" "A" "A" "G" "G"
## [17407] "G" "T" "G" "T" "T" "A" "C" "G" "A" "C" "T" "A" "C" "G" "T" "A" "C" "G" "T" "A" "T" "T"
## [17425] "C" "A" "T" "T" "T" "A" "C" "A" "A" "C" "A" " " "T" "G" "G" "T" "A" "G"
## [17443] "T" "G" "T" "G" "C" "A" "T" "A" "A" "A" "A" "A" "T" "A" "T" "A" "C" "A"
## [17461] "C" "A" "A" "T" "A" "T" "C" "A" "G" "A" "C" "C" "A" "T" "A" "C" "T" "G"
## [17479] "T" "T" "G" "G" "T" "A" "A" "T" "C" "A" "A" "A" "C" "C" "G" "A" "C" "G"
## [17497] "A" "C" "A" "A" "C" "A" "T" "T" "C" "T" " " "C" "C" "A" "T" "A" "A" "T"
## [17515] "A" "C" "A" "A" "G" "T" "T" "C" "C" "C" "T" "T" "G" "T" "G" "T" "T" "G"
## [17533] "G" "T" "A" "G" "A" "G" "A" "C" "G" "T" "A" "A" "C" "A" "A" "C" "T"
## [17551] "A" "T" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "C" "A" "C" "G" "T" "A"
## [17569] "G" "T" "A" "A" "T" "A" "G" "G" "T" " " "T" "G" "A" "A" "A" "G" "A" "T"
## [17587] "T" "C" "G" "T" "A" "T" "C" "A" "C" "T" "T" "T" "T" "C" "G" "T" "A" "A"
## [17605] "C" "A" "G" "A" "C" "G" "T" "A" "T" "C" "G" "T" "G" "A" "T" "C" "A" "T"
## [17623] "T" "G" "A" "A" "A" "A" "C" "G" "G" "G" "A" "G" "A" "A" "C" "A" "G" "G"
## [17641] "A" "G" "T" "C" "T" "A" "G" "A" " "T" "C" "G" "G" "A" "C" "A" "A" "A"
## [17659] "T" "A" "T" "G" "T" "A" "A" "A" "C" "C" "C" "A" "G" "T" "A" "T" "C" "G"
## [17677] "A" "A" "C" "T" "A" "G" "T" "C" "G" "G" "T" "A" "G" "A" "A" "A" "A" "A" "G"
## [17695] "G" "T" "T" "G" "A" "A" "T" "G" "C" "A" "A" "C" "G" "T" "A" "C" "C" "G"
## [17713] "A" "C" "G" "T" "A" "G" "T" " " "G" "C" "C" "A" "G" "T" "T" "T" "A" "A"
## [17731] "G" "T" "C" "T" "A" "A" "A" "T" "C" "G" "G" "T" "G" "T" "A" "A" "G" "T"
## [17749] "T" "T" "C" "T" "G" "A" "A" "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A"
## [17767] "A" "T" "T" "C" "T" "T" "G" "T" "T" "G" "A" "A" "G" "T" "C" "T" "T" "A"
## [17785] "G" "T" "G" "G" "T" "A" " "A" "T" "C" "G" "T" "T" "G" "T" "C" "G" "G"
   [17803] "A" "C" "G" "A" "G" "T" "A" "T" "T" "C" "G" "A" "A" "G" "A" "A" "C" "T"
## [17821] "C" "G" "T" "C" "A" "T" "C" "G" "T" "T" "T" "T" "C" "G" "A" "C" "G" "T"
  [17839] "A" "T" "A" "C" "T" "A" "C" "C" "T" "T" "C" "C" "C" "T" "T" "G" "A" "T"
## [17857] "T" "T" "G" "A" "G" " " "A" "C" "T" "C" "C" "G" "A" "T" "A" "T" "C" "G"
## [17875] "A" "A" "C" "A" "T" "T" "C" "C" "A" "A" "C" "G" "G" "G" "A" "C" "A" "A" "A"
## [17893] "C" "A" "G" "G" "T" "C" "G" "T" "A" "A" "A" "G" "A" "A" "G" "T" "G" "T"
## [17911] "T" "T" "C" "G" "A" "A" "C" "A" "A" "A" "A" "A" "C" "A" "G" "A" "T" "G"
## [17929] "T" "C" "G" "T" " " "G" "G" "G" "A" "C" "G" "T" "A" "C" "C" "T" "T" "T"
```

```
## [17947] "C" "G" "T" "T" "T" "T" "G" "T" "C" "T" "T" "T" "C" "A" "T" "C" "A" "C"
  [17965] "T" "T" "T" "G" "G" "T" "A" "A" "A" "A" "A" "A" "G" "T" "T" "T" "C" "C"
  [17983] "G" "A" "A" "G" "T" "C" "A" "T" "C" "A" "T" "A" "G" "A" "A" "A" "A" "T" "C"
## [18001] "G" "A" "T" " "T" "C" "T" "C" "T" "A" "A" "G" "A" "G" "T" "A" "A" "C"
## [18019] "A" "C" "A" "T" "T" "G" "A" "C" "C" "T" "G" "T" "G" "T" "A" "A" "C" "T"
## [18037] "C" "G" "G" "G" "T" "G" "T" "T" "A" "A" "A" "T" "C" "T" "A" "C" "T" "A"
## [18055] "C" "T" "A" "A" "G" "A" "T" "G" "A" "G" "A" "C" "T" "C" "A" "A" "C" "A"
## [18073] "A" "C" " " "G" "T" "T" "T" "G" "A" "C" "T" "C" "T" "C" "A" "T" "T"
  [18091] "C" "T" "G" "A" "T" "G" "A" "C" "T" "A" "C" "A" "C" "A" "C" "A" "A" "A"
  [18109] "A" "T" "G" "T" "A" "G" "A" "C" "T" "G" "T" "A" "A" "A" "A" "A" "T" "C" "T"
  [18127] "G" "A" "C" "A" "T" "G" "T" "C" "A" "C" "C" "G" "A" "T" "G" "A" "A" "A" "A"
## [18145] "C" " "T" "A" "T" "G" "T" "T" "C" "C" "A" "A" "A" "C" "G" "G" "T" "G"
  ## [18181] "A" "C" "A" "A" "C" "T" "C" "A" "A" "A" "C" "T" "T" "C" "C" "G" "T" "A"
## [18199] "G" "A" "T" "A" "C" "G" "A" "T" "A" "G" "A" "A" "C" "C" "C" "C" "A" "C"
## [18217] " " "C" "C" "T" "C" "A" "T" "C" "A" "G" "G" "G" "A" "C" "A" "C" "T" "T"
  [18235] "A" "A" "G" "T" "A" "T" "A" "T" "A" "G" "A" "T" "T" "T" "T" "G" "A" "G" "G"
  [18253] "A" "C" "A" "C" "A" "T" "C" "T" "T" "T" "G" "A" "T" "T" "C" "A" "T" "T"
## [18271] "A" "G" "T" "A" "T" "T" "T" "G" "T" "G" "T" "T" "C" "T" "C" "A" " "
## [18289] "G" "T" "C" "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "G" "C" "C" "A" "A"
## [18307] "C" "T" "C" "A" "T" "T" "T" "G" "T" "T" "T" "T" "C" "T" "C" "C" "G" "G"
## [18325] "T" "T" "T" "C" "A" "T" "T" "G" "T" "T" "C" "A" "T" "G" "T" "T" "T" "T"
## [18343] "T" "A" "T" "C" "G" "G" "A" "T" "T" "C" "T" "T" "T" "G" "T" "T" "T" " "A"
## [18361] "T" "T" "T" "G" "A" "T" "C" "G" "T" "A" "A" "T" "A" "T" "G" "T" "G" "A"
## [18379] "C" "T" "T" "C" "A" "C" "A" "T" "A" "A" "T" "G" "G" "T" "C" "A" "A" "T"
  [18397] "A" "C" "T" "T" "C" "T" "T" "T" "T" "A" "T" "C" "C" "C" "C" "G" "T" "T" "A"
## [18415] "T" "G" "A" "G" "T" "T" "G" "T" "G" "T" "G" "T" "A" "T" "T" "T" "T" "T"
  [18433] "T" "G" "T" "T" "A" "T" "G" "G" "A" "G" "A" "C" "C" "G" "G" "T" "T" "T"
## [18451] "T" "T" "G" "T" "A" "C" "T" "G" "T" "C" "A" "A" "C" "A" "T" "T" "G" "A"
## [18469] "T" "G" "T" "G" "G" "A" "C" "T" "C" "A" "T" "C" "A" "A" "T" "C" "T" "T"
## [18487] "C" "A" "T" "T" "G" "T" "C" "T" "C" "T" "A" "A" "T" "A" " " "T" "T" "C"
          "T" "C" "G" "G" "G" "T" "G" "T" "A" "C" "C" "T" "T" "T" "A" "C" "C" "G"
  [18505]
## [18523] "A" "A" "C" "T" "A" "G" "A" "T" "T" "T" "C" "G" "T" "A" "A" "T" "G" "G"
## [18541] "T" "A" "T" "T" "A" "T" "T" "G" "A" "A" "A" "A" "T" "A" "T" "T" "T" "G"
## [18559] "C" "T" "C" "A" "C" "A" "G" "T" "T" "C" "T" "G" "T" " " "A" "A" "G" "T"
## [18577] "A" "T" "T" "C" "A" "C" "A" "G" "G" "T" "G" "T" "G" "A" "G" "A" "G" "G"
## [18595] "A" "T" "C" "G" "T" "G" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "T" "G" "T"
## [18613] "G" "T" "C" "A" "A" "G" "A" "C" "G" "A" "C" "A" "C" "A" "G" "T" "A" "T" "T"
## [18631] "C" "C" "T" "A" "A" "T" "C" "A" "T" "T" "G" "T" " " "G" "A" "T" "G" "T"
## [18649] "C" "G" "A" "C" "T" "A" "C" "G" "T" "A" "T" "G" "T" "A" "T" "A" "T" "T" "G" "T"
## [18667] "G" "T" "C" "A" "G" "A" "A" "A" "A" "C" "G" "A" "A" "G" "T" "T" "T"
## [18685] "G" "A" "T" "C" "A" "T" "A" "G" "T" "T" "G" "G" "T" "A" "T" "A" "G" "G"
## [18703] "T" "T" "G" "G" "T" "A" "C" "A" "G" "T" "A" " "T" "T" "A" "T" "G" "C"
## [18721] "G" "T" "A" "G" "T" "G" "G" "T" "T" "G" "A" "T" "C" "G" "T" "C" "C"
## [18739] "G" "T" "A" "T" "A" "T" "C" "T" "G" "G" "T" "A" "T" "A" "A" "T" "T" "T" "T"
## [18757] "T" "A" "T" "T" "C" "G" "A" "T" "G" "T" "C" "A" "C" "C" "G" "T" "T" "C"
  [18793] "T" "T" "G" "T" "C" "T" "C" "T" "T" "A" "C" "G" "A"
  [18811] "A" "T" "A" "C" "A" "A" "A" "C" "T" "G" "T" "T" "T" "G" "T" "A" "G" "T"
## [18829] "A" "A" "C" "G" "T" "T" "T" "T" "C" "G" "T" "C" "T" "G" "T" "A" "T" "C"
          "G" "T" "T" "A" "T" "T" "A" "T" "G" " " "G" "G" "T" "A" "T" "C" "G" "T"
## [18847]
## [18865] "T" "T" "T" "C" "C" "A" "T" "T" "T" "T" "T" "C" "C" "G" "T" "A" "A" "A"
## [18901] "T" "T" "T" "C" "T" "G" "G" "T" "A" "A" "C" "T" "C" "A" "T" "G" "A" "G"
```

```
## [18919] "A" "C" "C" "T" "G" "A" "T" "T" " " "T" "T" "G" "A" "T" "T" "T" "T" "C"
   [18937] "A" "C" "T" "T" "C" "A" "G" "T" "T" "T" "T" "A" "A" "C" "A" "C" "T" "C"
  [18955] "A" "T" "T" "G" "T" "T" "G" "G" "T" "C" "A" "C" "A" "C" "A" "C" "A"
## [18973] "T" "G" "G" "G" "A" "A" "C" "T" "A" "A" "C" "A" "A" "G" "A" "A" "A" "A" "A"
## [18991] "G" "T" "G" "A" "C" "G" "T" " "G" "A" "A" "A" "C" "C" "T" "T" "T" "C"
## [19009] "A" "T" "T" "G" "T" "G" "G" "A" "C" "T" "C" "G" "T" "A" "A" "C" "A" "G"
## [19027] "A" "T" "T" "G" "T" "T" "G" "T" "A" "G" "T" "T" "T" "T" "T" "C" "C" "A" "C"
## [19045] "A" "T" "T" "T" "A" "A" "G" "T" "A" "G" "A" "A" "G" "A" "T" "T" "A" "T"
  [19063] "T" "T" "C" "G" "T" "G" " " "A" "T" "G" "G" "G" "T" "T" "A" "T" "A" "C"
  [19081] "C" "A" "T" "G" "C" "A" "G" "G" "T" "A" "A" "G" "T" "A" "T" "G" "G" "T"
  [19099] "A" "A" "A" "A" "C" "G" "T" "C" "A" "T" "T" "A" "A" "G" "A" "A" "A" "A" "A"
## [19117] "T" "T" "A" "C" "T" "T" "C" "G" "T" "G" "T" "G" "T" "A" "T" "A" "G" "A"
  [19135] "T" "T" "T" "T" "G" " " "C" "C" "G" "T" "T" "A" "A" "G" "G" "T" "C" "A"
## [19171] "A" "T" "C" "A" "T" "A" "C" "A" "G" "T" "T" "G" "T" "A" "C" "C" "A" "G"
## [19189] "A" "A" "C" "A" "C" "A" "A" "T" "C" "T" "C" "C" "A" "A" "G" "T" "A" "T"
  [19207] "T" "A" "A" "C" " " "A" "T" "G" "A" "A" "G" "T" "A" "T" "C" "G" "T"
  [19225] "G" "T" "T" "C" "C" "A" "A" "T" "T" "T" "C" "A" "G" "T" "A" "A" "T" "T"
  [19243] "C" "T" "C" "A" "A" "C" "A" "C" "C" "A" "T" "T" "T" "A" "G" "C" "T" "A"
## [19261] "A" "C" "T" "C" "T" "T" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "A" "G"
## [19279] "G" "T" "A" " " "A" "A" "T" "A" "T" "G" "T" "C" "G" "T" "C" "G" "C"
## [19297] "A" "T" "G" "T" "T" "G" "G" "T" "T" "C" "G" "A" "T" "T" "T" "T" "T" "G" "T"
## [19315] "A" "A" "T" "T" "G" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C" "A" "C"
## [19333] "A" "G" "G" "C" "A" "T" "G" "G" "T" "C" "G" "A" "C" "G" "A" "A" "C" "A"
## [19351] "C" "G" " " "A" "C" "A" "A" "A" "C" "G" "G" "A" "C" "A" "G" "T" "T" "G"
  [19369] "T" "T" "T" "T" "C" "C" "A" "G" "G" "T" "A" "T" "T" "T" "T" "C" "A" "A"
## [19387] "T" "G" "G" "A" "A" "G" "A" "T" "T" "C" "A" "G" "A" "C" "A" "C" "G" "G"
## [19405] "T" "C" "G" "T" "A" "C" "T" "T" "G" "A" "G" "G" "T" "C" "A" "A" "C" "C"
## [19423] "A" " "T" "T" "A" "A" "G" "G" "T" "A" "T" "A" "C" "C" "A" "C" "G" "T"
## [19441] "A" "C" "A" "T" "T" "G" "T" "T" "T" "T" "T" "C" "T" "C" "T" "G" "T" "G"
## [19459] "T" "C" "A" "G" "T" "A" "T" "T" "A" "G" "A" "T" "A" "C" "A" "A" "T" "T"
  [19477] "T" "T" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "G" "T" "G" "T" "A" "C"
## [19495] " " "T" "T" "G" "G" "T" "A" "A" "T" "T" "C" "C" "T" "T" "A" "C" "T" "T"
## [19513] "G" "G" "G" "A" "A" "T" "T" "A" "T" "C" "A" "C" "T" "T" "T" "A" "A" "C"
## [19531] "A" "C" "A" "G" "A" "G" "T" "A" "T" "C" "G" "T" "G" "T" "A" "A" "C" "C"
## [19549] "A" "T" "T" "T" "G" "T" "G" "T" "C" "T" "A" "C" "C" "A" "C" "T" " "
## [19567] "T" "G" "G" "T" "A" "A" "C" "A" "T" "T" "G" "T" "T" "C" "G" "A" "T" "T"
## [19585] "G" "T" "G" "A" "C" "T" "T" "T" "T" "C" "A" "G" "A" "C" "A" "G" "G"
## [19603] "A" "C" "C" "A" "A" "C" "T" "T" "A" "C" "G" "C" "T" "T" "G" "T" "T" "T"
## [19621] "G" "A" "A" "T" "A" "T" "G" "A" "A" "T" "C" "C" "A" "C" "A" "G" " " "A"
## [19639] "A" "T" "C" "C" "T" "A" "A" "C" "C" "G" "A" "C" "A" "T" "A" "G" "T" "T"
## [19657] "G" "G" "A" "A" "T" "T" "C" "G" "A" "A" "T" "T" "C" "A" "T" "G"
## [19675] "T" "T" "A" "A" "A" "A" "C" "G" "T" "A" "T" "C" "T" "T" "A" "C" "A" "G"
## [19693] "G" "T" "T" "A" "T" "T" "G" "G" "G" "A" "C" "T" "C" "A" "A" " " "C" "T"
## [19711] "T" "G" "T" "A" "A" "T" "G" "G" "T" "C" "G" "G" "A" "C" "A" "T" "G" "G"
## [19729] "T" "T" "C" "T" "T" "A" "A" "T" "A" "C" "T" "A" "A" "T" "C" "T" "G"
  [19747] "A" "A" "T" "G" "C" "T" "T" "A" "C" "T" "C" "A" "T" "T" "T" "A" "G" "A"
  [19765] "A" "G" "T" "A" "T" "T" "A" "A" "T" "C" "C" "C" "A" "A" "A" " "T" "T" "C"
  [19783] "G" "T" "A" "T" "A" "G" "A" "A" "G" "T" "C" "T" "C" "C" "A" "C" "G" "T"
## [19801] "C" "T" "A" "G" "T" "G" "T" "A" "C" "A" "G" "A" "A" "C" "C" "T" "G" "T"
  [19819] "C" "A" "T" "T" "T" "G" "A" "T" "G" "C" "A" "G" "T" "A" "G" "T" "T" "C"
## [19837] "G" "G" "T" "T" "T" "C" "T" "G" "G" "C" "A" "A" "T" " " "T" "C" "A" "C"
## [19855] "A" "T" "C" "A" "A" "C" "A" "T" "G" "G" "T" "G" "T" "T" "C" "A" "A" "T"
## [19873] "G" "A" "A" "C" "A" "T" "G" "G" "T" "A" "T" "G" "T" "T" "G" "G" "G" "A"
```

```
## [19891] "G" "T" "T" "G" "A" "A" "A" "T" "G" "G" "T" "C" "T" "A" "C" "C" "C" "T"
  [19909] "T" "A" "C" "G" "G" "T" "A" "A" "A" "A" "A" "G" " " "A" "T" "T" "T"
  [19927] "G" "G" "T" "G" "A" "G" "A" "C" "G" "T" "T" "T" "T" "G" "T" "C" "G" "A"
## [19963] "C" "C" "A" "C" "C" "A" "A" "C" "C" "A" "T" "T" "T" "C" "T" "T" "G" "T"
## [19981] "A" "G" "T" "C" "T" "T" "G" "G" "A" "C" "T" " " "C" "A" "A" "T" "G" "A"
## [19999] "C" "T" "T" "C" "A" "G" "T" "A" "A" "C" "T" "C" "T" "C" "G" "G" "A" "A"
## [20017] "A" "C" "G" "C" "T" "C" "T" "A" "C" "T" "G" "T" "T" "G" "T" "T" "C" "G"
  [20035] "T" "C" "G" "A" "A" "G" "A" "G" "A" "C" "A" "T" "C" "G" "A" "T" "C" "A"
  [20053] "A" "C" "A" "T" "A" "G" "G" "T" "A" "A" " " "C" "G" "A" "G" "G" "T" "G"
  [20071] "A" "T" "T" "T" "T" "A" "T" "G" "A" "A" "C" "A" "T" "G" "A" "A" "T" "A"
## [20089] "A" "T" "A" "T" "T" "T" "C" "T" "C" "G" "A" "T" "T" "C" "A" "T" "A" "G"
  [20107] "A" "T" "A" "A" "T" "A" "T" "A" "C" "G" "C" "A" "T" "T" "T" "T" "C"
## [20125] "C" "A" "T" "T" "A" "T" "C" "G" "T" " " "G" "T" "A" "G" "T" "G" "A" "T"
## [20143] "G" "C" "G" "T" "T" "G" "A" "A" "A" "T" "C" "T" "A" "T" "G" "T" "A" "A"
## [20161] "A" "G" "A" "A" "A" "T" "A" "A" "T" "T" "T" "G" "T" "T" "T" "T" "T" "C"
  [20179] "C" "A" "C" "G" "T" "G" "T" "C" "G" "C" "G" "T" "C" "G" "A" "A" "A" "G" "A"
  [20197] "A" "G" "T" "T" "T" "T" "C" "A" " " "T" "G" "A" "T" "T" "T" "C" "C" "T"
  [20215] "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T" "T" "C" "T" "G" "A" "T" "G"
## [20233] "T" "G" "C" "A" "G" "A" "G" "A" "A" "A" "T" "C" "C" "A" "T" "T" "A" "A"
## [20251] "T" "G" "A" "T" "T" "T" "C" "T" "T" "G" "G" "T" "T" "A" "T" "C" "T" "T"
## [20269] "T" "A" "C" "G" "A" "A" "A" " " "C" "A" "C" "C" "T" "T" "T" "A" "T" "G"
## [20287] "T" "T" "T" "A" "C" "T" "A" "T" "A" "T" "T" "C" "G" "T" "T" "A" "A" "C"
## [20305] "A" "A" "T" "A" "G" "G" "T" "C" "T" "T" "T" "C" "C" "A" "T" "G" "A" "T"
  [20323] "T" "T" "C" "C" "A" "C" "A" "C" "T" "T" "G" "T" "A" "T" "T" "G" "G" "T"
  [20341] "A" "G" "G" "T" "G" "A" " " "C" "T" "T" "A" "T" "A" "C" "A" "C" "G" "A"
## [20359] "T" "T" "T" "T" "T" "T" "T" "T" "G" "T" "A" "G" "T" "A" "A" "A" "T"
  [20377] "C" "A" "T" "T" "C" "T" "A" "T" "T" "T" "A" "C" "A" "G" "T" "T" "C"
## [20395] "A" "T" "G" "T" "T" "C" "A" "T" "T" "A" "T" "T" "G" "T" "C" "T" "T"
## [20413] "A" "T" "T" "T" "G" " "T" "G" "G" "T" "C" "C" "A" "T" "T" "C" "T" "T"
## [20431] "A" "C" "T" "C" "A" "T" "T" "T" "G" "A" "C" "C" "A" "C" "A" "A" "T" "T"
         "T" "G" "T" "C" "T" "C" "A" "T" "G" "T" "T" "A" "C" "T" "T" "A" "C" "T"
  [20449]
  [20467] "G" "T" "A" "T" "T" "C" "C" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "C" "A"
  [20485] "T" "A" "A" "T" " " "T" "T" "C" "C" "G" "T" "T" "G" "A" "T" "G" "T" "A"
## [20503] "C" "T" "G" "A" "C" "A" "T" "A" "A" "G" "T" "G" "G" "T" "T" "T" "T" "T" "C"
## [20521] "G" "A" "G" "A" "A" "G" "A" "T" "T" "T" "G" "G" "A" "G" "T" "A" "T" "T"
## [20539] "T" "T" "A" "T" "C" "A" "T" "C" "G" "T" "T" "C" "C" "G" "T" "A" "C"
## [20557] "A" "A" "T" " " "G" "A" "T" "G" "C" "T" "A" "T" "C" "G" "G" "T" "G" "T"
## [20575] "T" "A" "T" "G" "G" "T" "G" "G" "T" "C" "G" "A" "T" "G" "A" "T" "A" "T"
  [20593] "C" "T" "A" "C" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G" "G" "T" "T" "T"
##
  [20611] "C" "G" "T" "G" "G" "T" "T" "A" "T" "C" "C" "A" "A" "A" "C" "T" "T" "A" "A"
## [20629] "T" "C" " " "A" "C" "C" "A" "C" "A" "T" "T" "T" "G" "T" "A" "A" "A" "A"
## [20665] "T" "A" "G" "A" "T" "G" "T" "G" "T" "G" "T" "C" "T" "T" "T" "T" "T" "G"
## [20683] "A" "G" "G" "A" "C" "C" "A" "T" "T" "T" "C" "T" "A" "G" "A" "C" "A" "T"
## [20701] "T" " "A" "T" "T" "A" "G" "T" "A" "A" "C" "A" "A" "T" "T" "C" "A" "T"
  [20719] "G" "G" "G" "T" "A" "G" "A" "T" "G" "G" "T" "G" "A" "T" "C" "A" "T" "C"
  [20755] "G" "A" "C" "T" "A" "G" "A" "A" "A" "G" "T" "G" "T" "T" "C" "A" "C" "G"
  [20773] " " "G" "C" "A" "C" "G" "G" "A" "T" "G" "T" "C" "A" "T" "G" "A" "G" "T"
  [20791] "C" "T" "T" "A" "G" "T" "T" "T" "T" "C" "A" "A" "C" "A" "A" "T" "G" "G"
## [20809] "T" "G" "A" "G" "A" "T" "T" "G" "T" "C" "T" "T" "G" "G" "A" "A" "G" "T"
## [20827] "T" "C" "C" "A" "T" "C" "C" "A" "A" "T" "C" "C" "T" "T" "T" "T" "T" "
## [20845] "A" "A" "C" "T" "T" "A" "T" "A" "T" "C" "T" "C" "G" "G" "T" "A" "G"
```

```
## [20863] "G" "T" "A" "C" "T" "C" "G" "T" "G" "T" "A" "T" "T" "G" "C" "A" "C" "A"
  [20881] "C" "A" "G" "T" "C" "C" "C" "G" "C" "A" "T" "T" "T" "T" "G" "A" "A" "A" "G"
  [20899] "T" "A" "T" "T" "C" "G" "T" "T" "G" "T" "C" "T" "T" "G" "G" "A" " " "A"
  [20917] "G" "A" "T" "C" "A" "T" "G" "T" "A" "A" "C" "T" "A" "T" "A" "G" "T" "A"
## [20935] "T" "T" "G" "T" "T" "A" "T" "A" "C" "C" "A" "T" "G" "A" "C" "C" "G" "A"
## [20953] "A" "T" "G" "G" "T" "C" "T" "T" "C" "G" "T" "A" "G" "A" "A" "A" "T" "T"
## [20971] "T" "T" "A" "A" "A" "C" "A" "T" "G" "T" "A" "A" "G" "T" "C" " " "G" "T"
## [20989] "C" "G" "G" "T" "T" "T" "T" "G" "T" "G" "T" "C" "G" "A" "C" "T" "A"
  [21007] "C" "A" "A" "C" "G" "T" "T" "T" "C" "A" "G" "T" "C" "A" "C" "A" "T" "G"
  [21025] "A" "G" "A" "T" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "A" "C" "C" "A"
  [21043] "C" "A" "C" "A" "T" "T" "G" "T" "C" "T" "A" "C" "A" "A" " " "T" "G" "G"
## [21061] "T" "T" "G" "A" "C" "G" "T" "G" "A" "T" "T" "T" "T" "T" "G" "A" "G" "A"
  [21079] "T" "C" "C" "A" "T" "T" "C" "T" "T" "A" "C" "G" "T" "T" "T" "T" "T"
## [21097] "C" "A" "G" "T" "G" "G" "T" "A" "A" "T" "C" "A" "A" "C" "A" "C" "G" "C"
## [21115] "A" "T" "T" "A" "T" "A" "G" "C" "A" "C" "G" "G" "T" " " "C" "C" "G" "T"
## [21133] "T" "T" "G" "G" "T" "C" "C" "G" "T" "G" "C" "T" "G" "T" "T" "T" "T" "T" "G"
  [21169] "G" "A" "C" "G" "T" "C" "G" "T" "T" "A" "G" "T" "T" "A" "C" "C" "C" "G"
  [21187] "T" "T" "C" "G" "A" "A" "A" "C" "A" "G" "T" "A" " "A" " "A" "T" "C" "A" "T"
## [21205] "A" "T" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "C" "G" "A" "C" "C"
## [21223] "G" "A" "T" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "G" "T" "T" "T" "T"
## [21241] "A" "G" "T" "C" "G" "T" "A" "C" "A" "A" "C" "A" "A" "T" "C" "G" "T"
## [21259] "T" "T" "T" "G" "T" "T" "C" "A" "T" "A" "G" " " "A" "C" "A" "T" "C" "T"
## [21277] "A" "C" "G" "A" "T" "A" "C" "A" "G" "T" "G" "C" "T" "C" "A" "C" "T" "G"
## [21295] "T" "G" "G" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "T" "C" "G" "G" "A" "A"
  [21313] "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "T" "A" "A" "A" "A" "G" "T" "G" "A"
## [21331] "A" "C" "T" "T" "T" "C" "A" "G" "T" " " "C" "A" "T" "A" "C" "A" "A"
  [21349] "A" "T" "C" "T" "G" "T" "A" "C" "T" "A" "C" "T" "A" "C" "T" "T" "G" "T" "C"
## [21403] "T" "G" "T" "G" "T" "T" "C" "A" "C" " " "A" "T" "T" "G" "A" "A" "A" "T"
         "T" "A" "A" "T" "T" "G" "A" "C" "G" "A" "A" "G" "T" "T" "G" "G" "T" "T"
  [21421]
## [21439] "A" "A" "T" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "G" "G" "T"
## [21457] "G" "G" "G" "A" "A" "T" "T" "C" "A" "C" "G" "A" "T" "A" "G" "A" "A" "A"
## [21475] "C" "A" "A" "C" "A" "A" "T" "G" " "T" "T" "G" "T" "A" "A" "T" "T" "G"
## [21493] "T" "T" "G" "A" "A" "C" "A" "G" "A" "T" "C" "A" "T" "C" "A" "A" "C" "G"
## [21511] "T" "G" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" "T" "T" "T" "T" "T" "C" "C"
## [21529] "A" "T" "T" "C" "A" "A" "T" "A" "G" "A" "A" "A" "A" "A" "A" "T" "C" "G"
## [21547] "T" "C" "G" "T" "G" "A" "T" " "G" "C" "A" "T" "A" "A" "A" "C" "A" "A"
## [21565] "A" "A" "G" "C" "A" "T" "C" "A" "A" "C" "A" "A" "G" "T" "C" "T" "G" "T"
## [21583] "T" "A" "C" "T" "G" "T" "A" "C" "T" "T" "T" "A" "G" "A" "A" "A" "T" "T"
## [21601] "G" "C" "A" "A" "G" "G" "T" "A" "T" "A" "G" "T" "T" "T" "C" "G" "T" "T"
  [21619] "A" "C" "A" "A" "C" "A" " "C" "T" "G" "A" "A" "A" "A" "A" "A" "C" "G" "A"
## [21637] "T" "G" "G" "A" "C" "G" "C" "G" "T" "A" "A" "T" "T" "A" "T" "A" "C" "T"
## [21655] "G" "C" "G" "C" "G" "T" "G" "A" "T" "G" "T" "C" "A" "G" "T" "T" "A" "T"
## [21673] "G" "T" "T" "C" "G" "T" "G" "G" "T" "T" "C" "C" "A" "G" "T" "G" "C" "C"
          "C" "C" "A" "C" "A" " " "G" "T" "A" "C" "A" "A" "A" "A" "G" "T" "T" "G"
  [21691]
  [21709] "A" "A" "A" "C" "A" "A" "T" "A" "T" "C" "C" "A" "A" "C" "T" "A"
  [21727] "T" "A" "T" "C" "A" "A" "T" "A" "A" "T" "G" "T" "T" "G" "A" "T" "A" "G"
## [21745] "C" "G" "G" "T" "C" "A" "T" "T" "G" "A" "A" "G" "A" "T" "A" "C" "A" "G"
  [21763] "T" "C" "T" "A" " " "A" "C" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "T" "T" "A" "A"
## [21781] "A" "T" "T" "C" "T" "G" "T" "A" "A" "G" "T" "T" "G" "T" "T" "G" "T" "A"
## [21799] "G" "A" "A" "A" "T" "C" "A" "A" "A" "G" "A" "T" "G" "T" "A" "G" "A" "C"
```

```
## [21835] "C" "T" "C" " " "G" "A" "C" "G" "A" "C" "T" "T" "T" "A" "T" "T" "T" "T" "T"
  [21853] "C" "A" "T" "C" "T" "A" "T" "T" "C" "T" "G" "T" "A" "A" "A" "C" "A" "G" "A"
## [21871] "T" "T" "C" "C" "T" "G" "T" "G" "T" "A" "A" "A" "A" "A" "A" "C" "G" "T"
## [21907] "C" "G" " "T" "T" "G" "A" "T" "C" "A" "C" "A" "A" "A" "A" "A" "C" "T" "C"
## [21925] "A" "A" "A" "A" "A" "G" "G" "T" "A" "A" "C" "C" "A" "T" "G" "C" "A" "A"
## [21943] "T" "T" "T" "T" "C" "A" "A" "C" "T" "A" "C" "T" "T" "T" "T" "T" "G" "C" "A"
## [21961] "T" "A" "A" "T" "T" "G" "C" "A" "T" "T" "C" "G" "T" "A" "G" "T" "T" "T"
  [21979] "G" " "T" "A" "A" "A" "A" "T" "T" "G" "A" "C" "G" "T" "T" "G" "A" "A"
  [21997] "G" "G" "C" "G" "T" "G" "A" "T" "A" "G" "T" "G" "G" "T" "T" "G" "T" "A"
  [22015] "G" "T" "C" "T" "G" "T" "G" "A" "T" "T" "A" "C" "G" "G" "A" "C" "T" "A"
## [22033] "G" "A" "T" "C" "A" "T" "T" "G" "T" "C" "A" "T" "A" "T" "C" "C" "A" "A"
## [22051] " " "C" "T" "G" "T" "G" "T" "A" "T" "C" "G" "A" "C" "T" "G" "A" "C"
## [22069] "A" "T" "C" "A" "T" "T" "T" "G" "T" "G" "T" "G" "C" "G" "A" "C" "T" "A"
## [22087] "A" "A" "A" "C" "G" "T" "C" "T" "A" "C" "T" "A" "A" "G" "A" "A" "G" "A" "A" "G" "T"
## [22105] "G" "T" "A" "A" "A" "A" "C" "T" "A" "A" "A" "T" "G" "G" "T" "A" "G" "
  [22123] "T" "T" "T" "T" "T" "G" "A" "T" "A" "T" "G" "T" "A" "A" "T" "A"
## [22141] "T" "C" "C" "G" "T" "T" "A" "C" "T" "T" "G" "G" "A" "A" "A" "T" "C" "A"
  [22159] "C" "A" "A" "T" "A" "A" "T" "C" "G" "A" "G" "A" "G" "T" "C" "C" "A" "A"
## [22177] "C" "A" "G" "A" "T" "T" "C" "A" "A" "T" "T" "G" "T" "T" "T" "T" "T" "T" "A"
## [22213] "G" "T" "A" "T" "T" "C" "A" "G" "A" "A" "A" "A" "C" "T" "G" "G" "T" "C"
## [22231] "G" "A" "A" "A" "T" "A" "G" "T" "T" "T" "C" "A" "T" "T" "T" "C" "T" "A"
## [22249] "C" "C" "T" "A" "C" "C" "T" "T" "G" "G" "T" "A" "A" "G" "A" " " "A" "G"
## [22267] "T" "G" "A" "C" "A" "T" "T" "G" "T" "G" "A" "T" "A" "G" "T" "T" "G" "C"
## [22285] "T" "A" "C" "A" "T" "T" "C" "T" "C" "T" "G" "A" "C" "C" "A" "G" "A" "G" "T"
## [22303] "C" "A" "T" "C" "C" "T" "A" "A" "A" "T" "A" "A" "C" "C" "A" "G" "A" "A" "A"
## [22321] "A" "A" "T" "T" "T" "G" "A" "C" "A" "T" "C" "A" "C" "T" " " "G" "T" "T"
## [22339] "C" "A" "G" "A" "G" "A" "G" "C" "G" "T" "T" "G" "A" "A" "G" "T" "A" "G"
## [22357] "T" "G" "A" "T" "T" "A" "T" "T" "A" "C" "A" "T" "G" "A" "T" "G" "G"
## [22375] "T" "C" "G" "T" "G" "T" "C" "T" "A" "G" "A" "T" "A" "G" "T" "G" "T"
  [22393] "T" "A" "A" "T" "T" "G" "T" "G" "T" "A" "A" "A" "G" " " "G" "T" "T" "A"
## [22411] "A" "C" "A" "C" "A" "T" "C" "A" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G"
## [22429] "G" "A" "A" "A" "T" "G" "G" "A" "G" "G" "T" "A" "A" "T" "C" "G" "T" "A"
## [22447] "T" "C" "T" "G" "T" "A" "T" "T" "T" "T" "C" "C" "T" "G" "G" "A" "A" "G"
## [22465] "A" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T" " " "G" "T" "T" "A" "T"
## [22483] "C" "A" "A" "C" "A" "T" "G" "T" "A" "A" "G" "C" "T" "G" "A" "G" "A" "A" "A"
## [22501] "C" "A" "A" "C" "G" "A" "G" "A" "T" "A" "A" "T" "G" "C" "A" "A" "A" "A" "G"
## [22519] "A" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "T" "G" "T" "T" "C" "A" "A"
## [22537] "C" "T" "A" "C" "T" "T" "A" "A" "T" "G" "T" " "T" "G" "G" "C" "A" "G"
## [22555] "A" "T" "G" "T" "T" "G" "T" "A" "C" "G" "T" "G" "T" "A" "T" "T" "G" "A"
## [22591] "A" "C" "T" "A" "C" "G" "T" "T" "C" "T" "T" "C" "T" "A" "C" "A" "T"
## [22609] "G" "T" "A" "A" "G" "A" "T" "T" "G" "G" " " "T" "A" "T" "C" "G" "A" "C"
## [22627] "T" "T" "A" "G" "C" "C" "C" "G" "G" "T" "A" "A" "A" "C" "A" "T"
[22663] "T" "G" "T" "A" "T" "T" "C" "G" "G" "T" "T" "C" "T" "T" "A" "A" "T" "G"
## [22681] "A" "T" "T" "A" "T" "T" "T" "T" "A" " " "C" "A" "T" "G" "A" "C" "G" "T"
  [22699] "T" "T" "T" "A" "T" "C" "G" "A" "C" "T" "T" "T" "T" "T" "T" "G" "T" "T" "A"
## [22717] "A" "C" "G" "T" "A" "C" "T" "A" "A" "C" "G" "T" "C" "G" "G" "T" "T" "A"
         "G" "G" "T" "T" "C" "A" "T" "G" "T" "A" "T" "C" "T" "T" "T" "T" "T" "T" "G"
## [22735]
## [22753] "G" "A" "T" "C" "A" "C" "T" "T" " "T" "T" "C" "T" "T" "A" "T" "A" "T"
## [22771] "A" "C" "G" "G" "T" "T" "T" "T" "G" "G" "T" "G" "A" "G" "A" "C" "G"
## [22789] "T" "T" "G" "A" "T" "T" "C" "G" "G" "T" "T" "T" "T" "C" "G" "T" "C" "A"
```

```
## [22807] "A" "T" "T" "T" "A" "G" "G" "G" "T" "A" "A" "A" "T" "T" "T" "T" "T" "C" "T"
  [22825] "A" "C" "T" "T" "T" "A" "C" " " "C" "A" "T" "T" "A" "A" "A" "A" "C" "A" "T"
  [22843] "A" "T" "C" "A" "A" "A" "G" "A" "T" "T" "T" "C" "T" "T" "C" "T" "A"
  [22861] "T" "C" "C" "A" "C" "A" "G" "A" "T" "T" "T" "C" "T" "T" "A" "G" "A" "T"
## [22879] "T" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T" "G" "T" "T" "T" "G" "T" "G"
## [22897] "A" "T" "G" "T" "T" "C" " " "C" "A" "T" "A" "T" "C" "T" "T" "G" "G" "T"
## [22915] "C" "A" "T" "G" "T" "C" "A" "T" "C" "A" "A" "C" "G" "T" "T" "A" "T"
## [22933] "C" "A" "C" "T" "G" "T" "A" "A" "T" "C" "A" "T" "C" "T" "C" "A" "A" "G"
  [22951] "T" "T" "A" "T" "C" "G" "G" "A" "A" "G" "A" "G" "A" "C" "A" "T" "T"
  [22969] "G" "G" "T" "C" "A" " "T" "G" "T" "C" "A" "T" "T" "C" "T" "T" "C" "C"
  [22987] "G" "T" "A" "C" "G" "G" "A" "T" "T" "T" "A" "A" "T" "C" "T" "G" "T" "A"
## [23005] "A" "T" "T" "T" "T" "G" "T" "G" "G" "A" "T" "T" "T" "C" "G" "T" "C" "G"
  [23023] "C" "C" "A" "A" "C" "T" "C" "A" "T" "C" "T" "A" "A" "A" "T" "T" "C" "T"
## [23041] "T" "G" "G" "A" " " "T" "C" "C" "G" "T" "T" "T" "G" "T" "G" "A" "A" "T"
## [23059] "T" "A" "T" "C" "A" "T" "T" "T" "T" "G" "G" "T" "T" "T" "A" "A" "T"
## [23077] "A" "T" "T" "A" "T" "A" "A" "A" "T" "A" "G" "T" "C" "A" "A" "A" "T" "C"
  [23095]
         "T" "T" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C" "T" "G" "A" "A" "A" "G" "T"
  [23131] "A" "G" "A" "T" "C" "T" "G" "T" "T" "T" "T" "A" "A" "A" "A" "T" "G" "G" "C"
## [23149] "T" "G" "T" "G" "A" "G" "A" "A" "T" "T" "G" "T" "C" "A" "T" "A" "A" "G"
## [23167] "A" "A" "A" "C" "G" "A" "T" "A" "T" "C" "A" "T" "C" "A" "G" "C" "C" "G"
## [23185] "T" "A" " "T" "C" "T" "A" "C" "G" "A" "A" "A" "T" "T" "A" "A" "A" "G" "A"
## [23203] "T" "C" "T" "T" "A" "A" "A" "C" "A" "T" "G" "A" "A" "G" "A" "T" "C" "A"
## [23221] "T" "T" "T" "T" "C" "A" "T" "G" "T" "G" "T" "T" "A" "A" "C" "A" "T" "C"
[23257] "T" " " "C" "C" "G" "T" "A" "T" "A" "T" "A" "A" "A" "T" "C" "A" "T" "G"
## [23275] "T" "T" "G" "T" "G" "C" "C" "A" "A" "A" "T" "T" "T" "G" "T" "G" "G"
  [23293] "C" "A" "C" "A" "T" "T" "G" "A" "T" "A" "C" "A" "A" "T" "C" "A" "T" "C"
## [23311] "A" "A" "C" "A" "T" "G" "A" "T" "T" "G" "T" "T" "G" "A" "A" "A" "A" "C" "A"
## [23329] " " "A" "T" "T" "C" "T" "T" "T" "C" "C" "G" "A" "A" "T" "C" "G" "T"
## [23347] "A" "T" "T" "A" "A" "T" "C" "G" "A" "T" "A" "T" "C" "A" "T" "A" "G" "G"
  [23365] "G" "T" "T" "C" "C" "C" "T" "G" "T" "G" "A" "T" "A" "A" "T" "T" "G" "T"
  [23383] "C" "G" "T" "C" "G" "A" "T" "T" "T" "G" "G" "T" "A" "C" "T" "C" "A" " "
## [23401] "T" "C" "G" "T" "T" "C" "C" "C" "A" "A" "A" "A" "G" "T" "T" "T" "G" "G"
## [23419] "A" "T" "T" "A" "T" "G" "A" "G" "A" "T" "C" "T" "A" "T" "T" "A" "A" "G"
         "T" "A" "A" "T" "C" "C" "A" "A" "A" "G" "A" "A" "T" "T" "A" "T" "C" "A"
## [23437]
## [23455] "T" "T" "C" "T" "G" "A" "T" "C" "T" "T" "A" "A" "C" "A" "G" "A" " " "T"
## [23473] "G" "T" "A" "T" "T" "C" "G" "T" "C" "G" "T" "A" "A" "A" "A" "T" "C" "A"
## [23491] "G" "A" "C" "A" "C" "A" "C" "G" "G" "T" "T" "G" "G" "A" "G" "A" "A"
  ##
## [23527] "A" "T" "A" "A" "A" "C" "G" "A" "C" "C" "A" "A" "A" "T" "T" " " "C" "A"
## [23545] "T" "A" "T" "T" "A" "C" "A" "G" "A" "G" "A" "T" "G" "T" "T" "G" "A"
## [23563] "A" "G" "C" "C" "A" "T" "C" "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "T"
## [23581] "G" "T" "G" "A" "G" "T" "T" "C" "T" "T" "G" "C" "A" "G" "A" "A" "A" "A" "G"
## [23599] "A" "C" "A" "T" "A" "C" "C" "A" "T" "C" "C" "T" "A" "A" " " "A" "A" "G"
## [23617] "G" "T" "G" "A" "T" "G" "A" "A" "G" "A" "A" "G" "T" "C" "T" "C" "T" "G"
  [23635] "A" "C" "C" "A" "A" "A" "A" "T" "C" "T" "A" "G" "A" "A" "G" "C" "G" "T"
  [23653] "C" "C" "G" "T" "T" "C" "T" "A" "A" "T" "A" "G" "G" "G" "T" "A" "A" "G" "G"
  [23689] "A" "G" "T" "C" "A" "T" "G" "T" "A" "G" "T" "T" "T" "G" "C" "T" "T" "A"
         "A" "A" "C" "T" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "C" "C" "A" "A" "A"
  [23707]
## [23725] "A" "A" "C" "A" "C" "G" "A" "G" "G" "T" "T" "T" "C" "T" "G" "T" "T" "G"
## [23743] "C" "A" "T" "A" "T" "G" "T" "G" "G" "T" "C" "C" " " " "A" "T" "A" "A" "A" "A"
## [23761] "C" "C" "A" "A" "A" "T" "A" "T" "G" "C" "A" "C" "C" "G" "A" "A" "A" "A" "T"
```

```
## [23779] "A" "A" "T" "C" "A" "A" "C" "G" "T" "A" "A" "C" "A" "A" "T" "T" "G" "T"
  [23797] "A" "C" "G" "G" "T" "T" "T" "G" "T" "T" "A" "T" "C" "C" "A" "A" "A" "A" "T"
  [23815] "A" "C" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" " " " "T" "C" "G" "A" "G" "G"
  ## [23851] "C" "A" "T" "C" "A" "C" "A" "A" "A" "T" "A" "T" "T" "A" "G" "T" "T" "A"
## [23869] "T" "C" "G" "G" "T" "G" "G" "T" "G" "T" "A" "G" "T" "G" "T" "G" "T" "A" "A"
## [23905] "A" "T" "T" "G" "A" "A" "A" "T" "T" "C" "G" "A" "G" "A" "G" "A" "A" "C"
  [23923] "T" "T" "C" "G" "T" "C" "C" "A" "A" "A" "G" "A" "A" "T" "A" "T" "T" "G"
  [23941] "G" "T" "C" "A" "A" "T" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T" "T" "A"
  [23959] "G" "T" "A" "G" "T" "C" "G" "T" "T" " "T" "A" "A" "A" "A" "C" "T" "A" "T"
## [23977] "A" "A" "T" "A" "G" "T" "G" "T" "A" "T" "G" "T" "T" "T" "G" "A" "A" "T"
  [23995] "T" "T" "T" "A" "A" "T" "A" "G" "C" "T" "T" "C" "G" "A" "A" "C" "G" "C"
## [24031] "C" "C" "A" "T" "G" "T" "T" "C" " " "T" "A" "G" "T" "T" "A" "A" "G" "T" "A" "A" "A" "C" "C"
## [24049] "A" "A" "C" "G" "A" "G" "A" "C" "A" "C" "T" "T" "T" "A" "T" "T" "C" "T"
  [24067] "T" "A" "A" "C" "A" "G" "A" "A" "A" "G" "A" "A" "T" "A" "T" "A" "T"
## [24085] "T" "A" "A" "C" "A" "G" "G" "T" "T" "G" "A" "A" "T" "C" "C" "C" "A" "G"
## [24103] "T" "T" "A" "A" "A" "G" "A" " " "C" "A" "T" "G" "T" "T" "T" "G" "T" "T"
## [24121] "G" "T" "G" "G" "T" "A" "G" "G" "T" "T" "A" "A" "A" "T" "A" "T" "T" "C"
## [24157] "A" "A" "C" "A" "C" "A" "T" "T" "G" "A" "C" "A" "A" "A" "A" "A" "G" "A" "A"
## [24175] "A" "C" "A" "T" "C" "T" " "T" "T" "T" "G" "T" "A" "G" "G" "C" "A" "T"
## [24193] "T" "A" "T" "C" "C" "T" "G" "G" "A" "A" "A" "C" "A" "T" "A" "A" "G" "A"
## [24211] "C" "T" "C" "C" "T" "G" "A" "A" "A" "A" "C" "A" "T" "T" "C" "A" "T" "T" "T"
## [24229] "C" "G" "T" "G" "G" "C" "A" "G" "A" "T" "A" "C" "G" "T" "T" "A" "T" "G"
## [24247] "T" "T" "C" "A" " "A" "G" "A" "A" "A" "T" "C" "T" "T" "C" "A"
## [24265] "A" "T" "A" "T" "A" "C" "A" "A" "A" "T" "A" "T" "C" "A" "C" "T" "G" "G"
## [24283] "T" "G" "T" "G" "A" "C" "C" "A" "T" "T" "A" "A" "T" "G" "G" "T" "C" "A"
## [24301] "C" "A" "T" "G" "A" "G" "T" "G" "A" "T" "C" "G" "T" "G" "T" "T" "C" "A"
## [24319] "T" "T" "A" "A" "A" "T" "G" "G" "T" "A" "C" "G" "A" "A" "T" "T"
  [24337] "C" "A" "A" "G" "T" "A" "T" "G" "A" "C" "T" "C" "G" "T" "C" "C" "A" "C"
## [24355] "C" "A" "C" "G" "A" "C" "T" "G" "T" "A" "G" "T" "A" "T" "T" "G" "T" "T"
## [24373] "T" "T" "C" "C" "A" "C" "T" "G" "A" "G" "A" "C" "A" "C" "A" "T"
## [24391] "G" "A" "T" " "C" "T" "A" "T" "A" "A" "A" "A" "C" "A" "T" "C" "G" "A"
## [24409] "A" "C" "A" "A" "A" "T" "G" "G" "T" "G" "T" "G" "C" "A" "T" "G" "T" "T"
## [24427] "C" "C" "A" "T" "A" "G" "A" "C" "T" "T" "G" "T" "G" "G" "A" "A" "A" "A" "G"
## [24445] "A" "A" "T" "T" "T" "A" "A" "C" "A" "A" "G" "T" "A" "T" "T" "C" "T" "T"
## [24463] "T" "C" " "A" "C" "A" "C" "G" "G" "G" "T" "A" "C" "A" "T" "G" "T" "A"
## [24481] "T" "T" "G" "T" "C" "G" "A" "A" "G" "A" "T" "G" "T" "G" "G" "G" "A" "A"
## [24499] "T" "T" "C" "C" "C" "A" "A" "C" "A" "G" "A" "C" "G" "A" "C" "A" "A" "C"
## [24517] "A" "G" "G" "T" "G" "T" "T" "C" "A" "A" "A" "A" "T" "G" "T" "G" "T" "G"
## [24535] "G" " " "T" "G" "C" "A" "A" "G" "T" "T" "C" "T" "G" "A" "G" "A" "A" "A" "A"
## [24553] "A" "C" "G" "T" "T" "C" "T" "T" "A" "G" "A" "T" "T" "T" "A" "A" "C" "C"
## [24571] "G" "T" "A" "C" "A" "A" "C" "T" "T" "G" "T" "T" "C" "A" "T" "T" "G"
## [24589] "A" "G" "T" "A" "A" "C" "A" "A" "G" "A" "G" "A" "T" "T" "G" "T" "A"
  [24607] " " "G" "T" "G" "G" "A" "T" "T" "G" "A" "G" "T" "G" "G" "A" "T" "G" "A"
  [24625] "C" "A" "G" "A" "A" "T" "A" "A" "T" "G" "T" "C" "A" "T" "C" "C" "G" "A"
  [24643] "T" "T" "C" "T" "A" "T" "T" "C" "A" "C" "G" "T" "G" "T" "T" "T" "T" "T" "C"
## [24661] "A" "A" "T" "C" "G" "T" "C" "G" "A" "A" "G" "T" "G" "G" "T" "C" "G" "
  [24679] "G" "G" "A" "A" "C" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "C" "G"
## [24697] "T" "A" "G" "A" "A" "C" "A" "T" "C" "T" "C" "G" "T" "C" "C" "A" "C" "C"
## [24715] "T" "A" "A" "T" "T" "T" "G" "A" "A" "G" "T" "T" "G" "A" "G" "A" "T" "A"
## [24733] "A" "A" "C" "A" "A" "C" "C" "T" "C" "A" "C" "A" "A" "T" "T" "G" " " "T"
```

```
## [24751] "T" "A" "C" "G" "T" "C" "A" "C" "C" "G" "T" "T" "C" "T" "A" "T" "T" "G"
  [24769] "T" "C" "A" "A" "C" "A" "A" "T" "A" "G" "A" "C" "G" "G" "G" "G" "T" "A" "A"
## [24787] "A" "T" "T" "A" "T" "C" "T" "T" "C" "A" "A" "T" "T" "T" "G" "G" "T" "A"
  [24805] "A" "T" "T" "G" "A" "A" "C" "A" "C" "C" "C" "A" "T" "A" "A" " "A" " "A" "G"
## [24823] "G" "T" "G" "A" "A" "A" "A" "T" "C" "A" "C" "A" "C" "T" "A" "A" "A" "A"
## [24841] "T" "T" "A" "C" "G" "A" "C" "T" "G" "T" "A" "C" "A" "T" "G" "G" "A" "T"
## [24859] "G" "G" "G" "T" "C" "T" "T" "T" "G" "A" "T" "C" "C" "T" "A" "G" "T"
[24895] "T" "T" "T" "T" "C" "G" "G" "A" "G" "T" "T" "G" "T" "G" "C" "A" "T" "C"
  [24913] "T" "C" "A" "C" "A" "G" "T" "A" "G" "T" "A" "A" "A" "T" "C" "C" "A" "T" "T"
  [24931] "T" "T" "G" "T" "A" "T" "T" "T" "T" "A" "C" "A" "A" "A" "A" "A" "T" "G" "G"
## [24949] "A" "A" "G" "T" "A" "C" "A" "C" "T" "T" "A" "A" "T" " " "A" "C" "T" "C"
## [24985] "G" "T" "C" "G" "A" "G" "G" "T" "A" "G" "G" "T" "T" "T" "T" "T" "T" "C"
## [25003] "A" "A" "C" "C" "T" "G" "G" "T" "T" "T" "G" "A" "C" "A" "A" "C" "A" "G"
## [25021] "G" "T" "A" "T" "A" "C" "A" "G" "T" "A" "A" "C" " " "T" "G" "T" "A" "C"
  [25039]
         "A" "G" "G" "T" "G" "T" "T" "G" "A" "A" "C" "G" "C" "A" "C" "A" "C" "A" "C" "C"
  [25057] "T" "C" "C" "A" "A" "T" "T" "A" "C" "A" "A" "C" "A" "G" "A" "T" "G" "A"
  [25075] "C" "A" "A" "C" "A" "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "T" "T" "A" "T"
## [25093] "C" "A" "G" "G" "A" "G" "T" "G" "A" "A" "G" " " "A" "G" "A" "G" "T" "T"
## [25111] "T" "C" "T" "T" "T" "C" "T" "T" "C" "A" "G" "A" "A" "A" "T" "T" "C"
## [25129] "T" "A" "A" "C" "A" "G" "T" "T" "T" "C" "C" "A" "C" "T" "A" "T" "T" "G"
## [25147] "A" "A" "G" "T" "G" "G" "T" "A" "G" "A" "T" "C" "C" "A" "C" "C" "T" "T"
## [25165] "A" "C" "A" "C" "C" "A" "T" "C" "C" "T" " "A" "A" "T" "G" "A" "C" "C"
  [25183] "A" "C" "A" "T" "T" "A" "T" "A" "T" "G" "T" "G" "A" "A" "A" "A" "A" "A" "T" "A"
##
  [25201] "G" "T" "G" "G" "A" "G" "A" "G" "A" "T" "T" "C" "T" "T" "T" "T" "A" "A"
## [25219] "G" "A" "T" "A" "T" "G" "G" "A" "T" "C" "A" "A" "C" "A" "C" "A" "T" "C"
  [25237] "T" "A" "A" "C" "A" "G" "G" "T" "C" " " "T" "T" "A" "T" "C" "C" "T" "G"
## [25255] "G" "T" "T" "A" "G" "A" "A" "A" "T" "A" "T" "C" "C" "T" "T" "G" "G" "T"
## [25273] "C" "G" "T" "T" "C" "A" "C" "T" "C" "T" "A" "C" "C" "A" "A" "A" "G" "T"
## [25291] "T" "A" "T" "T" "T" "A" "C" "A" "A" "G" "A" "A" "G" "T" "C" "C" "A"
  [25327] "T" "T" "C" "T" "A" "T" "T" "G" "G" "T" "A" "A" "T" "A" "T" "G" "C" "G"
  [25345] "A" "C" "A" "T" "T" "G" "T" "C" "G" "T" "A" "G" "T" "C" "C" "A" "C" "T"
## [25363] "T" "C" "T" "T" "T" "G" "T" "C" "T" "T" "T" "G" "A" "C" "A" "T" "C" "G"
## [25381] "A" "C" "C" "G" "T" "G" "A" " " "A" "A" "C" "T" "C" "T" "C" "T" "A" "G"
## [25399] "A" "G" "T" "A" "T" "A" "T" "G" "G" "C" "T" "C" "G" "T" "C" "G" "A" "A"
## [25417] "G" "A" "A" "G" "G" "T" "T" "T" "A" "A" "A" "T" "T" "C" "G" "G" "T" "A"
## [25435] "C" "A" "C" "A" "A" "T" "G" "T" "A" "T" "C" "G" "G" "T" "T" "C" "A" "C"
## [25453] "C" "G" "T" "A" "A" "C" " " "A" "T" "T" "G" "T" "T" "C" "T" "C" "A" "A"
## [25471] "A" "G" "T" "A" "A" "A" "T" "C" "T" "A" "G" "C" "A" "A" "T" "T" "C" "A"
## [25489] "C" "A" "C" "A" "A" "C" "T" "A" "T" "T" "C" "A" "C" "T" "G" "C" "G" "A"
## [25507] "T" "G" "T" "C" "A" "A" "C" "A" "A" "A" "A" "T" "G" "A" "C" "C" "A" "C"
## [25561] "G" "A" "G" "A" "A" "C" "A" "T" "A" "A" "A" "A" "T" "T" "A" "T" "G" "G"
         "G" "A" "A" "T" "A" "T" "A" "A" "A" "T" "G" "C" "G" "A" "C" "A" "T" "A"
  [25579]
  [25597] "T" "C" "A" "A" " " "C" "T" "T" "G" "A" "T" "A" "C" "C" "G" "A" "A"
  [25615] "A" "T" "C" "A" "A" "A" "G" "G" "T" "G" "T" "G" "T" "C" "T" "G" "T" "C"
  [25633] "C" "G" "T" "A" "A" "T" "T" "A" "A" "A" "C" "G" "C" "A" "C" "A" "A" "A" "A"
  [25651] "G" "A" "A" "G" "A" "C" "G" "T" "A" "C" "A" "C" "G" "T"
## [25669] "A" "A" "A" " " "G" "A" "G" "C" "G" "T" "T" "T" "A" "A" "G" "G" "T" "T"
## [25687] "C" "T" "T" "T" "G" "T" "C" "A" "A" "G" "G" "T" "T" "C" "T" "T" "A" "A"
## [25705] "A" "G" "A" "A" "C" "G" "A" "A" "G" "A" "G" "T" "A" "A" "T" "C" "T" "C"
```

```
## [25723] "T" "A" "T" "T" "A" "T" "C" "T" "A" "C" "C" "A" "T" "C" "T" "T" "A" "C"
  [25741] "A" "T" " " "T" "T" "T" "T" "C" "G" "T" "G" "A" "A" "A" "A" "A" "T" "G" "T"
  [25759] "G" "A" "A" "A" "A" "A" "T" "T" "C" "G" "T" "G" "A" "C" "A" "G" "A" "A"
  [25777] "A" "C" "G" "G" "A" "G" "G" "A" "G" "A" "T" "G" "T" "C" "A" "C" "A" "T"
  [25795] "T" "G" "G" "T" "A" "A" "A" "T" "T" "T" "G" "G" "G" "A" "C" "T" "G" "G"
## [25813] "G" " " "C" "C" "C" "A" "T" "T" "C" "A" "C" "C" "A" "A" "T" "A" "T" "A"
## [25831] "T" "T" "A" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "C" "G" "T" "G" "A" "A"
## [25849] "A" "A" "G" "A" "G" "T" "T" "T" "C" "G" "A" "A" "A" "G" "C" "G" "A" "T"
  [25867] "C" "G" "T" "A" "A" "A" "G" "T" "C" "A" "T" "C" "A" "C" "G" "G" "T" "G"
  [25885] " " "A" "T" "C" "G" "G" "A" "A" "A" "A" "A" "T" "C" "A" "T" "C" "C" "A"
  [25903] "T" "A" "T" "T" "G" "G" "T" "G" "T" "C" "G" "T" "C" "A" "A" "T" "T" "T"
## [25921] "T" "G" "T" "G" "G" "G" "A" "G" "A" "A" "C" "T" "T" "G" "T" "T" "G" "T"
  [25939] "A" "G" "T" "G" "G" "G" "T" "G" "A" "T" "A" "T" "A" "T" "A" "C" "C" " "
## [25957] "T" "C" "G" "T" "A" "G" "A" "A" "G" "A" "A" "A" "A" "T" "T" "C" "T" "T"
## [25975] "T" "C" "A" "C" "T" "A" "C" "A" "G" "T" "T" "A" "C" "A" "G" "T" "G" "A"
## [25993] "T" "T" "G" "T" "T" "C" "T" "C" "A" "C" "C" "G" "T" "C" "T" "T" "A" "G"
  [26011] "A" "C" "C" "T" "A" "C" "T" "T" "C" "T" "A" "A" "A" "G" "G" "G" "T" " "A"
  [26029] "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "T" "A" "T" "T" "T" "T" "C" "A" "T"
  [26047] "T" "G" "T" "T" "C" "A" "A" "A" "G" "A" "C" "A" "C" "T" "C" "T"
## [26065] "T" "G" "A" "A" "T" "C" "A" "A" "A" "G" "A" "A" "G" "G" "T" "C" "T" "C"
## [26083] "A" "A" "C" "A" "A" "C" "A" "T" "T" "G" "A" "A" "G" "A" "A" " " "G" "T"
## [26119] "A" "A" "T" "A" "G" "T" "A" "G" "A" "A" "C" "A" "A" "A" "A" "A" "G" "A" "G"
  [26137] "A" "C" "A" "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "C" "A" "A" "A" "A" "T"
  [26155] "G" "A" "A" "A" "G" "T" "C" "A" "A" "T" "A" "T" "T" "T" "T" " " "A" "C" "C"
  ## [26191] "T" "T" "A" "G" "A" "G" "T" "C" "G" "C" "T" "A" "G" "A" "A" "A" "A" "C"
  [26209] "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "A" "A" "A" "A" "A" "G" "T" "G" "A"
## [26227] "G" "A" "A" "G" "T" "A" "A" "G" "G" "T" "T" "T" "T" "T" "T" "C" "G"
## [26245] "A" "A" "C" "T" "T" "G" "T" "C" "A" "A" "A" "C" "A" "G" "T" "A"
## [26263] "T" "C" "T" "C" "T" "A" "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "C" "T"
         "G" "T" "C" "G" "A" "T" "T" "C" "A" "T" "C" "T" "G" "T" "A" "A" "A" "A" "C"
  [26281]
  [26299] "A" "C" "G" "C" "T" "T" "G" "T" "C" "A" "T" "A" " " "G" "A" "T" "G" "T"
## [26317] "G" "T" "T" "T" "G" "A" "G" "A" "T" "T" "T" "C" "T" "T" "A" "C" "A"
## [26335] "T" "A" "T" "C" "C" "C" "A" "G" "T" "C" "G" "T" "G" "G" "T" "T" "T" "T"
## [26353] "T" "A" "T" "G" "G" "T" "C" "G" "A" "C" "T" "A" "T" "T" "A" "T" "T" "A"
## [26371] "C" "C" "A" "C" "G" "T" "T" "C" "A" "T" "C" " " "T" "T" "G" "A" "A" "G"
## [26407] "T" "A" "T" "T" "C" "G" "T" "G" "A" "G" "A" "A" "T" "T" "C" "T" "T" "C"
  [26425] "A" "A" "C" "T" "T" "A" "C" "A" "G" "A" "A" "G" "T" "G" "G" "A" "A" "A"
##
  [26443] "C" "A" "A" "T" "T" "G" "T" "A" "A" "A" " " " "C" "C" "C" "G" "G" "C" "T"
## [26461] "G" "T" "T" "G" "T" "A" "C" "T" "G" "T" "G" "T" "C" "A" "C" "A" "A"
## [26479] "A" "T" "C" "G" "T" "T" "C" "T" "A" "A" "C" "A" "C" "A" "G" "G" "C" "G"
## [26497] "A" "A" "T" "T" "T" "T" "G" "T" "G" "T" "G" "A" "T" "G" "G" "T" "G"
## [26515] "G" "G" "T" "G" "A" "A" "A" "T" "T" " " "C" "A" "C" "C" "A" "G" "G" "T"
## [26533] "A" "A" "T" "C" "A" "T" "C" "G" "A" "T" "A" "C" "A" "T" "T" "A" "G" "T"
  [26551] "A" "G" "T" "C" "T" "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "T" "A" "C"
  [26569] "C" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T" "C" "G" "G" "G" "A" "A" "T"
  [26587] "A" "A" "A" "T" "T" "C" "C" "G" " " "A" "G" "G" "A" "C" "G" "T" "T" "G"
## [26605] "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "A" "C" "A" "A" "A" "T" "T" "C"
         "C" "A" "T" "T" "T" "G" "T" "A" "A" "C" "C" "G" "A" "C" "G" "T" "A" "A"
  [26623]
## [26659] "A" "T" "G" "G" "A" "A" "A" "A" "A" "A" "C" "G" "A" "A" "G" "A" "A" "A"
## [26677] "G" "G" "T" "G" "T" "T" "A" "C" "A" "G" "A" "C" "G" "T" "A" "A" "A" "A" "A"
```

```
## [26695] "A" "T" "T" "A" "C" "A" "T" "A" "T" "G" "T" "A" "A" "C" "A" "G" "T" "C"
  [26731] "A" "T" "T" "T" "T" "G" " " "A" "T" "A" "A" "G" "T" "G" "A" "A" "G" "T"
  [26749] "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "G" "T" "T" "G" "A" "C" "A"
  [26767] "C" "A" "T" "T" "C" "A" "A" "G" "G" "T" "A" "G" "A" "G" "A" "T" "T" "A"
## [26785] "A" "C" "T" "C" "C" "A" "A" "C" "T" "T" "G" "G" "A" "G" "T" "T" "G" "T"
## [26803] "T" "A" "A" "C" "A" " " "A" "A" "C" "T" "T" "A" "T" "C" "A" "T" "C" "A"
## [26821] "A" "C" "A" "G" "A" "C" "T" "A" "A" "C" "A" "G" "G" "A" "G" "T" "G" "A"
  [26839] "C" "G" "G" "C" "A" "G" "A" "A" "C" "A" "A" "C" "T" "G" "G" "T" "T" "G"
  [26857] "T" "C" "A" "A" "A" "C" "A" "A" "C" "T" "G" "A" "T" "A" "G" "T" "A" "G"
  ## [26893] "G" "A" "A" "C" "G" "A" "G" "A" "G" "A" "A" "G" "T" "C" "C" "A" "A"
  [26911] "C" "T" "T" "C" "T" "C" "G" "T" "C" "G" "T" "C" "G" "T" "C" "T" "C" "A" "C" "C"
## [26929] "G" "T" "G" "G" "T" "T" "T" "A" "A" "G" "G" "T" "T" "T" "C" "C" "A" "A"
## [26947] "A" "T" "G" " " "G" "A" "A" "C" "C" "A" "T" "T" "A" "G" "T" "A" "G" "A"
## [26965] "A" "G" "T" "C" "A" "T" "G" "G" "T" "A" "T" "G" "A" "G" "T" "A" "T" "A"
  [26983] "A" "C" "T" "C" "A" "A" "C" "T" "A" "C" "C" "G" "A" "G" "A" "G" "T" "T" "T" "G"
  [27019] "G" "G" " " "A" "A" "G" "A" "A" "G" "A" "G" "A" "G" "T" "A" "G" "G" "A" "G"
## [27037] "T" "A" "G" "A" "C" "C" "T" "C" "C" "C" "A" "T" "T" "T" "T" "T" "T" "C" "T"
## [27055] "T" "G" "T" "T" "A" "T" "G" "T" "A" "T" "A" "C" "A" "C" "T" "T" "C" "G"
## [27073] "G" "T" "T" "A" "A" "A" "T" "T" "T" "G" "A" "G" "T" "G" "G" "T" "C" "T"
## [27091] "G" " "A" "G" "T" "A" "G" "T" "T" "T" "A" "T" "T" "C" "A" "T" "C" "A"
## [27109] "T" "A" "C" "A" "T" "C" "G" "G" "T" "A" "T" "G" "A" "G" "G" "T" "G" "A"
## [27127] "G" "T" "A" "G" "A" "T" "T" "T" "A" "G" "T" "T" "A" "C" "G" "G" "G" "T"
## [27145] "C" "A" "C" "C" "A" "C" "A" "T" "T" "C" "A" "T" "T" "A" "A" "A" "G" "T" "C"
## [27163] " " "T" "A" "T" "G" "A" "C" "C" "A" "A" "C" "G" "T" "T" "T" "C" "A" "A"
## [27181] "A" "A" "A" "T" "A" "C" "T" "G" "T" "C" "G" "T" "A" "G" "A" "C" "G" "G"
## [27199] "T" "G" "T" "G" "T" "G" "T" "C" "C" "G" "C" "T" "T" "G" "A" "G" "T"
## [27217] "A" "A" "A" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "G" "C" "T" "C" "
## [27235] "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "A" "T" "C" "C" "G" "T" "C" "T"
  [27253] "C" "G" "T" "G" "A" "A" "G" "A" "G" "T" "A" "A" "T" "T" "C" "A" "T" "G"
## [27271] "A" "A" "A" "T" "A" "G" "T" "T" "A" "G" "G" "A" "A" "A" "G" "T" "A" "G"
## [27289] "T" "T" "C" "A" "A" "G" "T" "T" "T" "T" "A" "C" "T" "A" "T" " " "A"
## [27307] "A" "G" "T" "G" "T" "G" "A" "G" "A" "A" "C" "A" "T" "T" "G" "G" "A" "A"
## [27325] "C" "G" "T" "G" "A" "A" "G" "A" "T" "A" "G" "T" "G" "T" "C" "A" "C" "A"
## [27343] "G" "T" "A" "G" "T" "G" "G" "T" "T" "T" "T" "C" "A" "T" "T" "G" "G" "A"
## [27361] "A" "A" "C" "A" "A" "C" "C" "A" "G" "G" "T" "G" "G" "G" "C" "G" " " " "G" "A"
## [27379] "A" "A" "C" "T" "C" "A" "C" "A" "C" "T" "T" "C" "C" "A" "T" "A" "A" "C"
## [27397] "A" "A" "A" "C" "A" "A" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "T" "A" "T"
## [27415] "C" "C" "A" "C" "G" "T" "T" "C" "C" "C" "G" "T" "G" "T" "C" "A" "T" "G"
## [27451] "A" "A" "G" "C" "T" "C" "G" "T" "T" "G" "T" "A" "T" "T" "C" "G" "G" "G"
## [27469] "C" "A" "A" "T" "T" "A" "T" "G" "T" "T" "G" "A" "C" "C" "A" "C" "A"
## [27487] "T" "G" "G" "T" "T" "G" "G" "T" "T" "A" "C" "C" "T" "C" "G" "A" "A" "G"
## [27505] "T" "T" "G" "T" "C" "G" "A" "A" "G" "T" "G" "A" "T" " " "C" "A" "T" "C"
  [27523] "C" "A" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C" "C" "A" "A" "C" "A" "T"
## [27541] "T" "T" "A" "G" "T" "G" "G" "T" "C" "A" "A" "A" "A" "G" "T" "T" "C" "T"
## [27559] "G" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A" "C" "A" "A" "T" "T" "T" "G" "T"
## [27577] "G" "A" "A" "G" "A" "C" "A" "C" "C" "T" "T" " " "C" "A" "C" "A" "A"
## [27595] "A" "G" "A" "G" "G" "G" "A" "G" "A" "T" "T" "C" "T" "T" "C" "T" "A" "T"
## [27613] "T" "A" "A" "A" "G" "A" "A" "A" "A" "C" "C" "C" "C" "G" "A" "A" "A" "A" "A"
## [27631] "T" "C" "T" "C" "C" "G" "T" "A" "C" "T" "C" "A" "T" "C" "C" "G" "G" "T"
## [27649] "C" "A" "A" "A" "G" "A" "G" "A" "G" "A" "G" "A" " "C" "C" "T" "A" "A" "A" "A"
```

```
## [27667] "T" "T" "G" "T" "G" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "T" "T"
  [27685] "A" "G" "G" "G" "A" "A" "A" "C" "T" "C" "A" "C" "G" "C" "A" "C" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G"
## [27703] "T" "T" "A" "C" "A" "A" "A" "G" "T" "G" "G" "A" "T" "T" "T" "A" "A"
## [27721] "G" "T" "T" "C" "C" "G" "A" "A" "A" "T" " " "T" "C" "A" "A" "A" "T" "C"
## [27739] "G" "A" "G" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "T" "A" "T" "A" "T" "C"
## [27757] "T" "C" "A" "G" "T" "C" "G" "T" "G" "T" "G" "T" "T" "T" "T" "C" "G" "G" "T"
## [27793] "A" "T" "T" "T" "C" "T" "T" "A" "C" " " "A" "G" "A" "C" "T" "T" "G" "T"
  ## [27829] "C" "G" "T" "G" "T" "C" "C" "A" "C" "T" "G" "T" "T" "A" "A" "A" "A" "C" "A"
  [27847] "G" "G" "T" "G" "G" "C" "T" "G" "T" "T" "A" "A" "A" "G" "T" "G" "T" "T"
## [27865] "C" "G" "T" "G" "T" "C" "C" "A" " " "A" "C" "T" "C" "T" "A" "T" "T" "T"
## [27883] "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "G" "G" "G" "T" "T" "G" "G"
## [27901] "C" "A" "G" "A" "G" "A" "T" "T" "C" "T" "T" "G" "A" "G" "A" "T" "G"
## [27919] "T" "G" "G" "A" "A" "G" "G" "A" "T" "T" "T" "T" "G" "A" "A" "G" "A" "G"
## [27937] "A" "A" "G" "T" "T" "C" "G" " " "G" "T" "T" "A" "G" "T" "T" "C" "C" "T"
  [27955]
         "G" "C" "C" "C" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A" "A" "A" "G" "T" "A"
## [27973] "T" "T" "G" "T" "C" "A" "C" "G" "G" "T" "T" "T" "C" "T" "A" "C" "A"
## [27991] "A" "T" "C" "A" "A" "T" "C" "G" "G" "T" "G" "A" "C" "G" "C" "T" "T" "C"
## [28009] "A" "G" "T" "T" "G" "A" " " "C" "T" "T" "G" "T" "T" "G" "T" "G" "T" "G" "T"
## [28027] "G" "G" "A" "C" "A" "T" "T" "A" "C" "A" "T" "C" "C" "G" "G" "T" "A" "A"
## [28045] "T" "G" "T" "T" "G" "A" "T" "C" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T"
## [28063] "C" "G" "G" "T" "T" "T" "A" "G" "T" "C" "T" "A" "C" "A" "C" "T" "T" "G"
## [28081] "T" "A" "G" "T" "A" " "T" "C" "G" "T" "A" "G" "T" "T" "A" "C" "T" "C"
## [28099] "A" "G" "A" "G" "T" "C" "A" "C" "T" "T" "A" "T" "G" "A" "C" "A" "C" "T"
  [28117] "T" "T" "A" "A" "G" "G" "T" "A" "G" "A" "T" "C" "A" "T" "A" "A" "A" "C" "A"
## [28135] "A" "T" "A" "T" "C" "G" "C" "C" "G" "A" "A" "A" "G" "A" "C" "A" "T" "T"
  [28153] "T" "T" "G" "T" " "G" "C" "G" "T" "G" "T" "C" "T" "T" "A" "A" "A" "A" "A"
## [28171] "C" "T" "C" "G" "T" "C" "A" "A" "G" "T" "T" "C" "T" "C" "A" "C" "G"
## [28189] "C" "C" "C" "T" "C" "T" "T" "T" "A" "A" "C" "T" "A" "G" "C" "A" "T"
## [28207] "G" "T" "G" "T" "G" "C" "T" "C" "G" "T" "C" "G" "A" "G" "A" "C"
         "T" "A" "C" " " "G" "T" "T" "T" "A" "C" "G" "T" "A" "T" "T" "T" "T" "C" "T"
  [28225]
  ## [28261] "A" "C" "A" "A" "G" "T" "G" "G" "T" "A" "A" "A" "A" "G" "G" "T" "C"
## [28279] "C" "G" "T" "G" "G" "A" "A" "A" "A" "A" "T" "C" "G" "A" "A" "A" "A" "A"
## [28297] "G" "G" " " "A" "A" "A" "A" "C" "A" "T" "T" "G" "A" "A" "A" "A" "T" "T" "T"
## [28315] "T" "A" "A" "T" "G" "G" "T" "G" "T" "C" "C" "T" "A" "A" "G" "T" "T" "G"
## [28333] "T" "T" "A" "A" "A" "C" "A" "A" "C" "T" "T" "A" "C" "C" "G" "A" "A" "A" "A"
## [28351] "T" "A" "T" "T" "A" "G" "G" "T" "T" "T" "G" "G" "A" "A" "A" "G" "T" "G"
## [28369] "T" " "C" "A" "A" "A" "G" "G" "T" "G" "T" "T" "T" "T" "C" "G" "T" "G"
## [28387] "A" "A" "C" "A" "C" "C" "T" "T" "C" "G" "T" "C" "T" "T" "T" "T" "T" "T" "C"
## [28405] "T" "A" "C" "G" "G" "T" "T" "T" "A" "T" "T" "A" "C" "C" "G" "C" "T"
## [28423] "A" "G" "A" "G" "A" "A" "G" "T" "A" "A" "T" "T" "C" "A" "A" "A" "T" "T"
## [28441] " " "T" "C" "A" "G" "T" "G" "T" "T" "G" "T" "T" "A" "A" "A" "C"
## [28477] "A" "C" "C" "T" "C" "A" "T" "A" "A" "A" "G" "T" "T" "C" "T" "T" "C" "C"
  [28495] "A" "A" "C" "A" "G" "T" "A" "A" "T" "T" "C" "T" "G" "G" "A" "A" "G" " "
  [28513] "C" "C" "T" "T" "G" "G" "A" "A" "G" "A" "G" "G" "T" "T" "G" "T" "T" "G"
  [28531] "T" "G" "G" "A" "C" "A" "T" "A" "C" "C" "A" "A" "T" "G" "T" "T" "G" "G"
## [28549] "A" "T" "A" "C" "A" "A" "T" "C" "G" "C" "G" "A" "T" "C" "G" "T" "G" "C"
         "A" "C" "C" "T" "T" "G" "G" "G" "T" "T" "A" "T" "C" "C" "G" "T" " " "G"
## [28567]
## [28585] "T" "G" "A" "A" "C" "A" "A" "T" "A" "C" "C" "G" "T" "T" "G" "G" "T" "T"
## [28603] "G" "T" "A" "T" "T" "C" "T" "C" "T" "G" "T" "G" "T" "G" "T" "C" "G"
## [28621] "G" "A" "G" "G" "T" "T" "T" "C" "C" "G" "T" "T" "A" "T" "C" "A" "C" "G"
```

```
## [28639] "C" "T" "G" "G" "T" "G" "G" "A" "A" "T" "G" "C" "T" "T" " "C" "T"
   [28657] "T" "A" "C" "C" "A" "A" "A" "A" "G" "T" "T" "C" "G" "G" "T" "C" "G" "T" "A"
  [28675] "A" "G" "T" "A" "A" "T" "A" "C" "C" "A" "T" "A" "A" "G" "C" "C" "G" "T"
  [28693] "T" "C" "T" "G" "A" "T" "A" "C" "G" "A" "G" "T" "C" "C" "A" "G" "G" "A"
  [28711] "T" "G" "A" "A" "G" "A" "C" "T" "T" "A" "A" "C" "A" "C" " " "T" "G" "T"
## [28747] "T" "T" "G" "T" "T" "G" "T" "C" "G" "T" "A" "A" "A" "A" "C" "C" "C" "C"
## [28765] "A" "T" "T" "C" "A" "T" "T" "G" "G" "T" "G" "T" "T" "C" "A" "T" "C" "A"
  [28783] "C" "C" "G" "T" "G" "G" "A" "A" "G" "A" "A" "A" "A" "T" " " "C" "A" "G" "T"
  [28801] "T" "T" "A" "A" "G" "A" "G" "T" "C" "A" "C" "G" "G" "T" "G" "T" "T" "T"
  [28819] "T" "A" "A" "G" "C" "G" "T" "T" "C" "A" "C" "C" "G" "A" "A" "A" "A" "T" "T"
## [28837] "G" "T" "T" "T" "T" "A" "G" "C" "G" "G" "G" "C" "A" "G" "A" "C" "G" "G"
## [28855] "T" "A" "C" "T" "T" "C" "A" "A" "A" "G" "T" "G" " " "G" "T" "G" "T" "T"
## [28873] "A" "C" "T" "A" "G" "T" "G" "T" "G" "A" "A" "G" "T" "A" "C" "T" "C" "T"
## [28891] "C" "A" "A" "C" "T" "T" "T" "C" "C" "G" "T" "G" "T" "A" "A" "A" "A" "C" "C"
## [28909] "A" "A" "C" "G" "T" "A" "A" "G" "T" "A" "A" "A" "C" "C" "A" "C" "T" "G"
  [28927]
          "C" "G" "T" "T" "G" "A" "C" "C" "T" "A" "T" " "C" "T" "G" "T" "G" "T"
  [28945] "A" "G" "C" "T" "T" "A" "A" "G" "A" "T" "G" "G" "G" "T" "A" "T" "T" "T"
  ## [28981] "A" "A" "G" "T" "T" "G" "G" "G" "A" "A" "C" "C" "A" "A" "C" "T" "T" "A"
## [28999] "T" "C" "A" "G" "A" "A" "C" "T" "A" "A" " " " "T" "A" "C" "C" "T" "T" "A"
## [29017] "A" "A" "T" "T" "C" "C" "C" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A"
## [29035] "A" "A" "C" "C" "T" "G" "T" "A" "A" "G" "G" "G" "G" "T" "A" "A" "C" "T"
## [29053] "T" "C" "C" "A" "C" "A" "G" "T" "T" "A" "A" "A" "A" "G" "A" "A" "A" "C"
[29089] "C" "C" "A" "C" "A" "G" "A" "C" "G" "T" "T" "A" "A" "A" "G" "T" "C"
## [29107] "G" "A" "G" "A" "A" "A" "A" "G" "T" "C" "T" "T" "G" "C" "A" "A" "G" "G"
  [29125] "C" "A" "C" "A" "T" "G" "G" "T" "T" "C" "G" "T" "T" "A" "A" "A" "A" "G" "T"
## [29143] "A" "C" "G" "A" "G" "T" "A" "C" " " "A" "A" "G" "T" "G" "C" "C" "G" "T"
## [29161] "C" "G" "T" "C" "A" "T" "A" "T" "G" "T" "G" "G" "G" "G" "A" "G" "A" "A"
## [29179] "T" "C" "A" "C" "A" "G" "T" "T" "A" "T" "T" "T" "C" "A" "G" "G" "T" "C"
  [29197] "A" "A" "C" "A" "A" "G" "C" "C" "T" "G" "T" "T" "T" "T" "C" "A" "C" "G" "T"
  [29215] "A" "C" "T" "T" "C" "G" "A" " " "A" "A" "T" "G" "G" "T" "C" "G" "T" "G"
  [29233] "C" "A" "C" "G" "A" "T" "C" "T" "T" "C" "C" "A" "G" "A" "A" "A" "T" "T"
## [29251] "A" "C" "G" "T" "G" "A" "G" "T" "T" "C" "T" "C" "C" "C" "A" "T" "C" "G"
## [29269] "G" "T" "A" "G" "T" "C" "C" "G" "G" "T" "G" "T" "C" "T" "T" "C" "A"
## [29287] "A" "C" "A" "A" "T" "A" " " "G" "C" "T" "G" "T" "A" "T" "C" "G" "C" "T"
## [29305] "C" "A" "C" "A" "T" "A" "C" "G" "G" "G" "G" "A" "G" "G" "C" "A" "A" "T"
## [29323] "T" "C" "G" "A" "G" "T" "G" "C" "G" "T" "A" "C" "T" "C" "A" "A" "G" "T"
  [29341] "G" "C" "C" "C" "A" "T" "T" "G" "T" "G" "G" "T" "G" "A" "C" "G" "A" "C" "G" "A" "T"
##
  [29359] "A" "C" "A" "A" "A" " " "T" "C" "A" "C" "A" "A" "G" "G" "T" "C" "A" "A"
## [29377] "A" "A" "G" "A" "A" "C" "T" "T" "T" "T" "A" "G" "A" "A" "G" "T" "A" "T"
## [29395] "T" "C" "C" "T" "A" "G" "T" "C" "A" "C" "G" "G" "T" "T" "C" "G" "A" "G"
## [29413] "C" "A" "G" "C" "G" "G" "A" "T" "T" "C" "A" "G" "T" "T" "T" "A" "C" "T"
## [29431] "G" "A" "A" "A" " "T" "C" "T" "A" "G" "C" "C" "G" "C" "G" "G" "C" "A"
## [29449] "T" "G" "G" "A" "T" "A" "C" "C" "G" "G" "T" "G" "G" "T" "C" "G" "A" "G"
          "G" "A" "A" "A" "T" "A" "A" "T" "G" "G" "C" "A" "A" "G" "A" "A" "T" "G"
  [29467]
  [29485] "C" "T" "T" "C" "T" "T" "C" "T" "T" "G" "G" "A" "A" "A" "C" "G" "C" "A"
  [29503] "T" "T" "C" " " "G" "G" "T" "G" "A" "C" "C" "A" "T" "A" "A" "A" "A" "G" "C"
          "G" "G" "G" "T" "G" "T" "A" "C" "T" "C" "C" "C" "T" "G" "T" "G" "T" "C" "C"
## [29521]
          "T" "G" "T" "G" "G" "T" "T" "C" "A" "C" "A" "G" "A" "G" "T" "G" "G" "T"
## [29539]
## [29557] "G" "A" "T" "G" "C" "T" "G" "G" "C" "A" "T" "G" "A" "C" "T" "T" "A" "C"
## [29575] "G" "G" " " "A" "A" "G" "C" "T" "C" "A" "A" "G" "A" "C" "G" "A" "T" "G"
## [29593] "G" "T" "C" "G" "A" "G" "T" "T" "G" "G" "T" "A" "T" "T" "G" "T" "A" "C"
```

```
## [29611] "T" "G" "G" "T" "A" "C" "T" "C" "C" "A" "C" "G" "T" "C" "A" "A" "G" "C"
   [29629] "T" "C" "G" "T" "A" "G" "C" "T" "T" "G" "C" "A" "A" "A" "A" "C" "T" "A"
## [29647] "C" " " "T" "T" "G" "T" "G" "T" "A" "T" "C" "C" "C" "G" "A" "C" "A" "A"
## [29665] "G" "T" "T" "C" "A" "A" "C" "T" "C" "C" "G" "T" "T" "T" "T" "T" "G" "C" "G"
## [29683] "G" "A" "A" "A" "A" "A" "G" "T" "T" "G" "A" "A" "G" "A" "T" "G" "A" "T"
## [29701] "T" "C" "G" "G" "T" "G" "T" "T" "C" "A" "C" "G" "G" "T" "A" "G" "A" "G"
## [29719] " " "A" "T" "T" "C" "T" "A" "C" "A" "C" "T" "G" "C" "A" "C" "G" "G"
## [29737] "A" "G" "A" "C" "T" "A" "T" "T" "C" "T" "G" "G" "A" "G" "G" "A" "G" "G"
## [29755] "T" "G" "C" "C" "T" "C" "A" "G" "A" "G" "T" "T" "T" "T" "C" "G" "G" "T"
## [29773] "G" "C" "A" "T" "G" "C" "T" "C" "G" "T" "G" "C" "A" "G" "C" "G" "C" "
## [29791] "T" "T" "G" "G" "A" "C" "A" "T" "T" "T" "T" "G" "T" "C" "C" "G" "T" "T"
## [29809] "T" "G" "A" "C" "T" "C" "A" "A" "C" "C" "T" "G" "C" "A" "C" "A" "C" "A"
## [29827] "A" "A" "G" "G" "G" "C" "A" "G" "C" "T" "T" "T" "G" "G" "T" "C" "C"
## [29845] "C" "T" "G" "T" "T" "C" "C" "G" "A" "G" "A" "G" "G" "T" "A" "G" " " "A"
## [29863] "A" "T" "G" "G" "A" "A" "A" "G" "C" "C" "A" "G" "T" "G" "T" "G" "G" "G"
## [29881] "C" "C" "T" "G" "T" "T" "T" "T" "G" "G" "A" "T" "C" "T" "A" "C" "A" "C"
## [29899] "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "G" "A" "C" "G" "T" "T" "G"
## [29917] "T" "G" "C" "C" "T" "G" "C" "T" "T" "T" "G" "G" "C" "A" "T" " "T" "C"
## [29935] "G" "T" "C" "G" "G" "A" "C" "G" "T" "C" "T" "T" "C" "T" "A" "T" "C" "T"
## [29953] "G" "C" "T" "C" "A" "A" "T" "G" "A" "G" "C" "A" "C" "A" "G" "G" "A" "C"
## [29971] "A" "G" "T" "T" "G" "C" "T" "G" "T" "C" "A" "T" "T" "A" "A" "T" "C" "A"
## [29989] "A" "T" "A" "A" "T" "T" "A" "A" "T" "G" "A" "C" " " "G" "C" "A"
## [30007] "C" "T" "C" "A" "C" "G" "T" "G" "A" "T" "T" "C" "G" "T" "A" "C" "G" "T"
## [30025] "C" "G" "G" "C" "T" "C" "A" "C" "T" "G" "T" "C" "G" "G" "T" "G" "T" "G"
## [30043] "T" "C" "T" "A" "A" "A" "A" "T" "T" "T" "C" "A" "A" "G" "C" "A" "A" "A" "A"
## [30061] "T" "C" "T" "C" "T" "G" "T" "C" "T" "A" "G" "A"
#strainAlpha
lengthAlpha <- lengthSeq(strainAlpha)</pre>
percentageGC_Alpha <- percentageGC(strainAlpha)</pre>
## [1] "GC : 37.4527237741358%"
percentageBasesAlpha <- percentageBases(strainAlpha)</pre>
reverseAlpha <- reverseSeq(strainAlpha)</pre>
print("strainAlpha")
## [1] "strainAlpha"
```

## strainAlpha

```
[1] "A" "G" "A" "T" "C" "T" "G" "T" "T" "C" "T" "C" "T" "A" "A" "A" "A" "C" "G"
##
      [19] "A" "A" "C" "T" "T" "T" "A" "A" "A" "A" "T" "C" "T" "G" "T" "G" "T" "G"
##
      [37] "G" "C" "T" "G" "T" "C" "A" "C" "T" "C" "G" "G" "G" "T" "G" "C" "A" "T"
##
##
      [55] "G" "C" "T" "T" "A" "G" "T" "G" "C" "A" "C" "T" "C" "A" "C" "A" "C" "G" " " " "C"
##
      [91] "T" "T" "A" "C" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" "A" "G" "G" "A"
##
     [109] "C" "A" "C" "G" "A" "G" "T" "A" "A" "C" "T" "C" "G" "T" "C" "T" "A" "T"
##
     [127] "C" "T" "T" "C" "T" "G" "C" "A" "G" "G" "C" "T" "G" "C" "T" " " "T" "A"
##
     [145] "C" "G" "G" "T" "T" "T" "C" "G" "T" "C" "C" "G" "T" "G" "T" "G" "T" "G" "C"
##
     [163] "A" "G" "C" "C" "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "C" "A" "T"
##
     [181] "C" "T" "A" "G" "G" "T" "T" "T" "T" "G" "T" "C" "C" "G" "G" "G" "T" "G"
     [199] "T" "G" "A" "C" "C" "G" "A" "A" "A" "G" "G" "T" "A" "A" " " " "G" "A" "T"
##
     [217] "G" "G" "A" "G" "A" "G" "C" "C" "T" "T" "G" "T" "C" "C" "C" "T" "G" "G"
##
     [235] "T" "T" "T" "C" "A" "A" "C" "G" "A" "G" "A" "A" "A" "A" "A" "C" "A" "C" "A"
##
     [253] "C" "G" "T" "C" "C" "A" "A" "C" "T" "C" "A" "G" "T" "T" "T" "T" "G" "C" "C"
##
```

```
[271] "T" "G" "T" "T" "T" "T" "A" "C" "A" "G" "G" "T" "T" " " " "C" "G" "C" "G"
##
     [289] "A" "C" "G" "T" "G" "C" "T" "C" "G" "T" "A" "C" "G" "T" "G" "G" "C" "T"
##
     [307] "T" "T" "G" "G" "A" "G" "A" "C" "T" "C" "C" "G" "T" "G" "G" "A" "G" "G"
##
##
     [325] "A" "G" "G" "T" "C" "T" "T" "A" "T" "C" "A" "G" "A" "G" "G" "C" "A" "C"
     [343] "G" "T" "C" "A" "A" "C" "A" "T" "C" "T" "T" "A" " " "A" "A" "G" "A" "T"
##
     [361] "G" "G" "C" "A" "C" "T" "T" "G" "T" "G" "G" "C" "T" "T" "A" "G" "T" "A"
##
     [379] "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "G" "C" "G" "T" "T"
##
     [397] "T" "T" "G" "C" "C" "T" "C" "A" "A" "C" "T" "T" "G" "A" "A" "A" "G"
##
     [415] "C" "C" "C" "T" "A" "T" "G" "T" "G" "T" "T" " " "C" "A" "T" "C" "A" "A"
##
     [433] "A" "C" "G" "T" "T" "C" "G" "G" "A" "T" "G" "C" "T" "C" "G" "A" "A" "C"
##
     [451] "T" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T" "C" "A" "T" "G" "T"
     [469] "T" "A" "T" "G" "G" "T" "T" "G" "A" "G" "C" "T" "G" "G" "T" "A" "G" "C"
##
     [487] "A" "G" "A" "A" "C" "T" "C" "G" "A" "A" " " " "G" "G" "C" "A" "T" "T" "C"
##
     [505] "A" "G" "T" "A" "C" "G" "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "T" "G"
##
##
     [523] "A" "G" "A" "C" "A" "C" "T" "T" "G" "G" "T" "G" "T" "C" "C" "T" "T" "G"
     [541] "T" "C" "C" "C" "T" "C" "A" "T" "G" "T" "G" "G" "G" "C" "G" "A" "A" "A" "A"
##
##
     [559] "T" "A" "C" "C" "A" "G" "T" "G" "G" " " "C" "T" "T" "A" "C" "C" "G" "C"
     [577] "A" "A" "G" "G" "T" "T" "C" "T" "T" "C" "T" "T" "C" "G" "T" "A" "A" "G"
##
     [595] "A" "A" "C" "G" "G" "T" "A" "A" "T" "A" "A" "A" "G" "G" "A" "G" "C" "T"
##
     [613] "G" "G" "T" "G" "G" "C" "C" "A" "T" "A" "G" "T" "T" "A" "C" "G" "G" "C"
##
     [631] "G" "C" "C" "G" "A" "T" "C" "T" " " "A" "A" "A" "G" "T" "C" "A" "T" "T"
##
     [649] "T" "G" "A" "C" "T" "T" "A" "G" "G" "C" "G" "A" "C" "G" "A" "G" "C" "T"
##
     [667] "T" "G" "G" "C" "A" "C" "T" "G" "A" "T" "C" "C" "T" "T" "A" "T" "G" "A"
##
     [685] "A" "G" "A" "T" "T" "T" "T" "C" "A" "A" "G" "A" "A" "A" "A" "A" "C" "T" "G"
##
     [703] "G" "A" "A" "C" "A" "C" "T" " " "A" "A" "A" "C" "A" "T" "A" "G" "C" "A"
##
     [721] "G" "T" "G" "G" "T" "G" "T" "T" "A" "C" "C" "C" "G" "T" "G" "A" "A" "C"
     [739] "T" "C" "A" "T" "G" "C" "G" "T" "G" "A" "G" "C" "T" "T" "A" "A" "C" "G"
##
     [757] "G" "A" "G" "G" "G" "G" "C" "A" "T" "A" "C" "A" "C" "T" "C" "G" "C" "T"
##
     [775] "A" "T" "G" "T" "C" "G" " " "A" "T" "A" "A" "C" "A" "A" "C" "T" "T" "C"
##
     [793] "T" "G" "T" "G" "G" "C" "C" "C" "T" "G" "A" "T" "G" "G" "C" "T" "A" "C"
     [811] "C" "C" "T" "C" "T" "T" "G" "A" "G" "T" "G" "C" "A" "T" "T" "A" "A" "A"
##
     [829] "G" "A" "C" "C" "T" "T" "C" "T" "A" "G" "C" "A" "C" "G" "T" "G" "C" "T"
##
     [847] "G" "G" "T" "A" "A" " " "A" "G" "C" "T" "T" "C" "A" "T" "G" "C" "A" "C"
##
     [865] "T" "T" "T" "G" "T" "C" "T" "G" "A" "A" "C" "A" "A" "C" "T" "G" "G" "A"
##
     [883] "C" "T" "T" "T" "A" "T" "T" "G" "A" "C" "A" "C" "T" "A" "A" "G" "A" "G"
##
     [901] "G" "G" "G" "T" "G" "T" "A" "T" "A" "C" "T" "G" "C" "T" "G" "C" "C" "G"
##
     [919] "T" "G" "A" "A" " " "C" "A" "T" "G" "A" "G" "C" "A" "T" "G" "A" "A" "A"
##
##
     [937] "T" "T" "G" "C" "T" "T" "G" "G" "T" "A" "C" "A" "C" "G" "G" "A" "A" "C"
     [955] "G" "T" "T" "C" "T" "G" "A" "A" "A" "A" "G" "A" "G" "C" "T" "A" "T" "G"
##
##
     [973] "A" "A" "T" "T" "G" "C" "A" "G" "A" "C" "A" "C" "C" "T" "T" "T" "T" "G"
     [1009] "A" "A" "A" "T" "T" "T" "G" "A" "C" "A" "C" "C" "T" "T" "C" "A" "A" "T"
##
    [1027] "G" "G" "G" "G" "A" "A" "T" "G" "T" "C" "C" "A" "A" "A" "T" "T" "T" "T"
    [1045] "G" "T" "A" "T" "T" "T" "C" "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C"
##
    [1063] "A" "T" " "A" "A" "T" "C" "A" "A" "G" "A" "C" "T" "A" "T" "T" "C" "A"
    [1081] "A" "C" "C" "A" "A" "G" "G" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "A" "A"
##
    [1099] "A" "A" "A" "G" "C" "T" "T" "G" "A" "T" "G" "G" "C" "T" "T" "T" "A" "T"
##
    [1117] "G" "G" "G" "T" "A" "G" "A" "A" "T" "T" "C" "G" "A" "T" "C" "G" "T"
##
    [1135] "C" " " "T" "A" "T" "C" "C" "A" "G" "T" "T" "G" "C" "G" "T" "C" "A" "C"
    [1153] "C" "A" "A" "A" "T" "G" "A" "A" "T" "G" "C" "A" "A" "C" "C" "A" "A" "A" "A"
##
    [1171] "T" "G" "T" "G" "C" "T" "T" "T" "T" "C" "A" "A" "C" "T" "C" "T" "C" "A"
##
    [1189] "T" "G" "A" "A" "G" "T" "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "T" "G"
##
    [1207] " " "G" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "T" "G" "G" "G" "C" "A" "G"
##
    [1225] "A" "C" "G" "G" "G" "C" "G" "A" "T" "T" "T" "T" "G" "T" "T" "A" "A" "A" "A"
##
```

```
[1243] "G" "C" "C" "A" "C" "T" "T" "G" "C" "G" "A" "A" "T" "T" "T" "T" "T" "G" "T"
    [1261] "G" "G" "C" "A" "C" "T" "G" "A" "G" "A" "A" "A" "T" "T" "T" "T" "G" "A" "C" " "
##
    [1279] "T" "A" "A" "A" "G" "A" "A" "G" "G" "T" "G" "C" "C" "A" "C" "T" "A" "C"
##
    [1297] "T" "T" "G" "T" "G" "G" "T" "T" "A" "C" "T" "T" "A" "C" "C" "C" "C" "C" "A"
##
    [1315] "A" "A" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "T"
    [1333] "T" "T" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "A" "T" "G" "T" " "C"
##
    [1351] "A" "C" "A" "A" "T" "T" "C" "A" "G" "A" "A" "G" "T" "A" "G" "G" "A" "C"
    [1369] "C" "T" "G" "A" "G" "C" "A" "T" "A" "G" "T" "C" "T" "T" "G" "C" "C" "G"
##
    [1387] "A" "A" "T" "A" "C" "C" "A" "T" "A" "A" "T" "G" "A" "A" "T" "C" "T" "G"
    [1405] "G" "C" "T" "T" "G" "A" "A" "A" "A" "C" "C" "A" "T" "T" "C" " " "T" "T"
##
    [1423] "C" "G" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "C" "G" "C" "A" "C" "T"
    [1441] "A" "T" "T" "G" "C" "C" "T" "T" "T" "G" "G" "A" "G" "G" "C" "T" "G" "T"
##
    [1459] "G" "T" "G" "T" "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "T"
    [1477] "T" "G" "C" "C" "A" "T" "A" "A" "C" "A" "A" "G" "T" "G" " " "T" "G" "C"
##
    [1495] "C" "T" "A" "T" "T" "G" "G" "G" "T" "T" "C" "C" "A" "C" "G" "T" "G" "C"
    [1513] "T" "A" "G" "C" "G" "C" "T" "A" "A" "C" "A" "T" "A" "G" "G" "T" "T" "G"
##
##
    [1531] "T" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "G" "T" "G" "T" "G" "T"
    [1549] "T" "G" "G" "A" "G" "A" "A" "G" "G" "T" "T" "C" "C" " " " "G" "A" "A" "G"
##
    [1567] "G" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "A" "A" "C" "C" "T" "T" "C"
##
    [1585] "T" "T" "G" "A" "A" "A" "T" "A" "C" "T" "C" "C" "A" "A" "A" "A" "A" "A" "A" "G"
##
    [1603] "A" "G" "A" "A" "A" "G" "T" "C" "A" "A" "C" "A" "T" "C" "A" "A" "T" "A"
##
    [1621] "T" "T" "G" "T" "T" "G" "G" "T" "G" "A" "C" "T" " " "T" "T" "A" "A" "A"
##
    [1639] "C" "T" "T" "A" "A" "T" "G" "A" "A" "G" "A" "G" "A" "T" "C" "G" "C" "C"
##
    [1657] "A" "T" "T" "A" "T" "T" "T" "T" "G" "G" "C" "A" "T" "C" "T" "T" "T" "T"
##
    [1675] "T" "C" "T" "G" "C" "T" "T" "C" "C" "A" "C" "A" "A" "G" "T" "G" "C" "T"
##
    [1693] "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "C" " " "T" "G" "T" "G" "A" "A"
    [1711] "A" "G" "G" "T" "T" "T" "G" "G" "A" "T" "T" "A" "T" "A" "A" "A" "A" "G" "C"
    [1729] "A" "T" "T" "C" "A" "A" "A" "C" "A" "A" "A" "T" "T" "G" "T" "T" "G" "A"
    ##
    [1783] "C" "T" "A" "A" "A" "A" "A" "A" "G" "G" "T" "G" "C" "C" "T" "G" "G" "A"
##
    [1801] "A" "T" "A" "T" "T" "G" "G" "T" "G" "A" "A" "C" "A" "G" "A" "A" "A" "T"
##
    [1819] "C" "A" "A" "T" "A" "C" "T" "G" "A" "G" "T" "C" "C" "T" "C" "T" "T" "T"
##
    [1837] "A" "T" "G" "C" "A" "T" "T" "T" "G" " " "C" "A" "T" "C" "A" "G" "A" "G"
    [1855] "G" "C" "T" "G" "C" "T" "C" "G" "T" "G" "T" "T" "G" "T" "A" "C" "G" "A"
##
    [1873] "T" "C" "A" "A" "T" "T" "T" "T" "C" "T" "C" "C" "C" "G" "C" "A" "C" "T"
##
    [1891] "C" "T" "T" "G" "A" "A" "A" "C" "T" "G" "C" "T" "C" "A" "A" "A" "A" "A" "T"
##
##
    [1909] "T" "C" "T" "G" "T" "G" "C" "G" " " " "T" "G" "T" "T" "T" "T" "A" "C" "A"
    [1927] "G" "A" "A" "G" "G" "C" "C" "G" "C" "T" "A" "T" "A" "A" "C" "A" "A" "T"
##
    [1945] "A" "C" "T" "A" "G" "A" "T" "G" "G" "A" "A" "T" "T" "T" "T" "C" "A" "C" "A"
##
    [1963] "G" "T" "A" "T" "T" "C" "A" "C" "T" "G" "A" "G" "A" "C" "T" "C" "A" "T"
    [1981] "T" "G" "A" "T" "G" "C" "T" " "A" "T" "G" "A" "T" "G" "T" "T" "C" "A"
    [1999] "C" "A" "T" "C" "T" "G" "A" "T" "T" "T" "G" "G" "C" "T" "A" "C" "T" "A"
##
    [2017] "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "T" "G" "T" "A" "A" "A" "T" "G" "G"
    [2035] "C" "C" "T" "A" "C" "A" "T" "T" "A" "C" "A" "G" "G" "T" "G" "G" "T" "G"
    [2053] "T" "T" "G" "T" "T" "C" " "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "G"
##
    [2071] "C" "A" "G" "T" "G" "G" "C" "T" "A" "A" "C" "T" "A" "A" "C" "A" "C" "A" "T" "C"
##
    [2089] "T" "T" "G" "G" "G" "C" "A" "C" "T" "G" "T" "T" "T" "A" "T" "G" "A" "A"
##
    [2107] "A" "A" "A" "C" "T" "C" "A" "A" "A" "C" "C" "C" "G" "T" "C" "C" "T" "T"
    ##
    [2143] "G" "T" "T" "T" "A" "A" "G" "G" "A" "A" "G" "G" "T" "G" "T" "A" "G" "A"
##
    [2161] "G" "T" "T" "T" "C" "T" "T" "A" "G" "A" "G" "A" "C" "G" "G" "T" "T" "G"
##
    [2179] "G" "G" "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "T" "T" "T" "T" "A" "T"
##
    [2197] "C" "T" "C" "A" " " "A" "C" "C" "T" "G" "T" "G" "C" "T" "T" "G" "T" "G"
##
```

```
[2215] "A" "A" "A" "T" "T" "G" "T" "C" "G" "G" "T" "G" "G" "A" "C" "A" "A" "A" "A"
   [2233] "T" "T" "G" "T" "C" "A" "C" "C" "T" "G" "T" "G" "C" "A" "A" "A" "A" "G" "G"
##
   [2251] "A" "A" "A" "T" "T" "A" "A" "G" "G" "A" "G" "A" "G" "T" "G" "T" "C"
##
   [2269] "A" "G" "A" " " "C" "A" "T" "T" "C" "T" "T" "T" "A" "A" "A" "G" "C" "T" "T"
##
   [2305] "T" "T" "G" "T" "G" "T" "G" "C" "T" "G" "A" "C" "T" "C" "T" "A" "T" "C"
##
   [2323] "A" "T" "T" "A" "T" "T" "G" "G" "T" "G" "G" "A" "G" "C" "T" "A" "A" "A" "A"
   [2341] "C" "T" " "T" "A" "A" "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "T" "T"
##
   [2359] "A" "G" "G" "T" "G" "A" "A" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" "C"
   [2377] "G" "C" "A" "C" "T" "C" "A" "A" "A" "G" "G" "G" "A" "T" "T" "G" "T" "A"
##
   [2395] "C" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "T" "T" "A" "A" "A" "A" "T" "C"
   ##
   [2431] "T" "A" "C" "T" "C" "A" "T" "G" "C" "C" "T" "C" "T" "A" "A" "A" "A" "G"
   [2449] "C" "C" "C" "C" "A" "A" "A" "A" "G" "A" "A" "A" "T" "T" "A" "T" "C" "T"
##
   [2485] " " "T" "T" "C" "C" "C" "A" "C" "A" "G" "A" "A" "G" "T" "G" "T" "T" "A"
##
##
   [2503] "A" "C" "A" "G" "A" "G" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T" "G"
   [2521] "A" "A" "A" "A" "C" "T" "G" "G" "T" "G" "A" "T" "T" "T" "A" "C" "A" "A"
##
   [2539] "C" "C" "A" "T" "T" "A" "G" "A" "A" "C" "A" "A" "C" "C" "C" "T" "A" "C" "
##
   [2557] "T" "A" "G" "T" "G" "A" "A" "G" "C" "T" "G" "T" "T" "G" "A" "A" "G" "C"
##
   [2575] "T" "C" "C" "A" "T" "T" "G" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "C" "C"
##
   [2593] "A" "G" "T" "T" "T" "G" "T" "A" "T" "T" "A" "A" "C" "G" "G" "G" "C" "T"
##
   [2611] "T" "A" "T" "G" "T" "T" "G" "C" "T" "C" "G" "A" "A" "A" "T" "C" " " "A"
##
   [2629] "A" "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A" "A" "A" "G" "T" "A" "C" "T"
   [2647] "G" "T" "G" "C" "C" "C" "T" "T" "G" "C" "A" "C" "C" "T" "A" "A" "T" "A"
##
   [2683] "C" "C" "T" "T" "C" "A" "C" "A" "C" "T" "C" "A" "A" "A" "A" "A" "A" "G" " " "G" "C"
##
   [2719] "A" "C" "T" "T" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "C" "A" "C" "A" "C" "T"
##
   [2737] "G" "T" "G" "A" "T" "A" "G" "A" "A" "G" "T" "G" "C" "A" "A" "G" "T"
   [2755] "T" "A" "C" "A" "A" "G" "A" "G" "T" "G" "T" "G" "A" "A" "A" " " " "T" "A" "T"
##
##
   [2773] "C" "A" "C" "T" "T" "T" "T" "G" "A" "A" "C" "T" "T" "G" "A" "T" "G" "A"
   [2791] "A" "A" "G" "G" "A" "T" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "C" "T"
##
   [2809] "T" "A" "A" "T" "G" "A" "G" "A" "A" "G" "T" "G" "C" "T" "C" "T" "G" "C"
##
   [2827] "C" "T" "A" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" " " " "C" "T" "C" "G"
##
   [2845] "G" "T" "A" "C" "A" "G" "A" "A" "G" "T" "A" "A" "A" "A" "T" "G" "A" "G" "T"
##
   [2863] "T" "C" "G" "C" "C" "T" "G" "T" "G" "T" "T" "G" "T" "G" "T" "G" "C" "A" "G"
##
##
   [2881] "A" "T" "G" "C" "T" "G" "T" "C" "A" "T" "A" "A" "A" "A" "A" "A" "C" "T" "T"
   [2899] "T" "G" "C" "A" "A" "C" "C" "A" "G" "T" "A" "T" " " "C" "T" "G" "A" "A"
##
   [2917] "T" "T" "A" "C" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "G" "C"
##
   [2953] "A" "G" "T" "A" "T" "G" "G" "C" "T" "A" "C" "A" "T" "A" "C" "T" "A" "C"
##
   [2971] "T" "T" "A" "T" "T" "T" "G" "A" "T" "G" "A" " " " "G" "T" "C" "T" "C" "T" "G" "G"
##
   [2989] "T" "G" "A" "G" "T" "T" "T" "A" "A" "A" "T" "T" "G" "G" "C" "T" "T" "C"
   [3007] "A" "C" "A" "T" "A" "T" "G" "T" "A" "T" "T" "G" "T" "T" "C" "T" "T" "T"
   [3025] "T" "T" "A" "C" "C" "C" "T" "C" "C" "A" "G" "A" "T" "G" "A" "G" "A" "G" "A"
##
   ##
   [3061] "G" "T" "G" "A" "A" "G" "A" "A" "G" "A" "A" "G" "A" "G" "A" "G" "T" "T" "T" "T" "G"
##
   [3079] "A" "G" "C" "C" "A" "T" "C" "A" "A" "C" "T" "C" "A" "A" "T" "A" "T" "G"
   [3097] "A" "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "G" "A" "A" "G" "A" "T" "G"
##
   [3115] "A" "T" "T" "A" "C" "C" "A" "A" "G" " " "G" "T" "A" "A" "A" "A" "C" "C" "T"
##
   [3133] "T" "T" "G" "G" "A" "A" "T" "T" "T" "G" "G" "T" "G" "C" "C" "A" "C" "T"
##
   [3151] "T" "C" "T" "G" "C" "T" "G" "C" "T" "C" "T" "T" "C" "A" "A" "C" "C" "T"
##
   ##
```

```
[3187] "G" "A" "T" "T" "G" "G" "T" "T" " " "A" "G" "A" "T" "G" "A" "T" "G" "A"
   [3205] "T" "A" "G" "T" "C" "A" "A" "C" "A" "A" "A" "C" "T" "G" "T" "G" "T" "G"
##
   [3223] "T" "C" "A" "A" "C" "A" "A" "G" "A" "C" "G" "G" "C" "A" "G" "T" "G" "A"
##
   [3241] "G" "G" "A" "C" "A" "A" "T" "C" "A" "G" "A" "C" "A" "A" "C" "A" "T"
   [3259] "T" "A" "T" "T" "C" "A" "A" " " "A" "C" "A" "A" "T" "T" "G" "T" "T" "G"
   [3277] "A" "G" "G" "T" "T" "C" "A" "A" "C" "C" "T" "C" "A" "A" "T" "T" "A" "G"
##
   [3295] "A" "G" "A" "T" "G" "G" "A" "A" "C" "T" "T" "A" "C" "A" "C" "A" "G"
   [3313] "T" "T" "G" "T" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "G"
##
   [3331] "T" "G" "A" "A" "T" "A" " " "G" "T" "T" "T" "T" "A" "G" "T" "G" "G" "T"
   [3349] "T" "A" "T" "T" "T" "A" "A" "A" "A" "C" "T" "T" "A" "C" "T" "G" "A" "C"
##
   [3385] "G" "C" "A" "G" "A" "C" "A" "T" "T" "G" "T" "G" "G" "A" "A" "A" "G" "A" "A"
##
   [3403] "G" "C" "T" "A" "A" " "A" "A" "A" "G" "G" "T" "A" "A" "A" "A" "C" "C"
   [3421] "A" "A" "C" "A" "G" "T" "G" "G" "T" "T" "G" "T" "T" "A" "A" "T" "G" "C"
##
   [3439] "A" "G" "C" "C" "A" "A" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "A" "A"
   [3457] "A" "C" "A" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "G" "T" "T" "G" "C"
##
##
   [3475] "A" "G" "G" "A" " " "G" "C" "C" "T" "T" "A" "A" "A" "A" "T" "A" "A" "G" "G"
   [3493] "C" "T" "A" "C" "T" "A" "A" "C" "A" "A" "T" "G" "C" "C" "A" "T" "G" "C"
   [3511] "A" "A" "G" "T" "T" "G" "A" "A" "T" "C" "T" "G" "A" "T" "G" "A" "T" "T"
   [3529] "A" "C" "A" "T" "A" "G" "C" "T" "A" "C" "T" "A" "A" "T" "G" "G" "A" "C"
##
   [3547] "C" "A" "C" " " "T" "T" "A" "A" "A" "G" "T" "G" "G" "G" "T" "G" "G" "T"
##
   [3583] "C" "A" "C" "A" "A" "T" "C" "T" "T" "G" "C" "T" "A" "A" "A" "A" "C" "A" "C"
##
   [3601] "T" "G" "T" "C" "T" "T" "C" "A" "T" "G" "T" "T" "G" "T" "C" "G" "G" "C"
##
   [3619] "C" "C" " " "A" "A" "A" "T" "G" "T" "T" "A" "A" "C" "A" "A" "A" "G" "G"
##
   [3637] "T" "G" "A" "A" "G" "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "T" "C" "T"
   [3655] "T" "A" "A" "G" "A" "G" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "A"
   [3673] "T" "T" "T" "T" "A" "A" "T" "C" "A" "G" "C" "A" "C" "G" "A" "A" "A" "G" "T"
   [3691] "T" " "C" "T" "A" "C" "T" "T" "G" "C" "A" "C" "C" "A" "T" "T" "A" "T"
##
   [3709] "T" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "A" "T" "T" "T" "T" "T" "T" "G"
   [3727] "G" "T" "G" "C" "T" "G" "A" "C" "C" "C" "T" "A" "T" "A" "T" "A" "T" "T"
##
##
   [3745] "C" "T" "T" "T" "A" "A" "G" "A" "G" "T" "T" "T" "G" "T" "G" "T" "A" "G"
   [3763] " "A" "T" "A" "C" "T" "G" "T" "T" "C" "G" "C" "A" "C" "A" "A" "A" "A" "T"
##
   [3781] "G" "T" "C" "T" "A" "C" "T" "A" "G" "C" "T" "G" "T" "C" "T" "T" "T"
   [3799] "G" "A" "T" "A" "A" "A" "A" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A" "C"
##
   [3817] "A" "A" "A" "C" "T" "T" "G" "T" "T" "T" "C" "A" "A" "G" "C" "T" "T" "
##
   [3835] "T" "T" "G" "G" "G" "A" "A" "A" "T" "G" "A" "A" "G" "A" "G" "A" "G" "A"
##
##
   [3853] "A" "A" "A" "G" "C" "A" "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "A" "A" "A"
   [3871] "G" "A" "T" "C" "G" "C" "T" "G" "A" "G" "A" "T" "T" "C" "C" "T" "A" "A"
##
   [3889] "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "A" "A" "G" "C" "C" "A" " " "T"
##
   [3907] "T" "T" "A" "T" "A" "A" "C" "T" "G" "A" "A" "A" "G" "T" "A" "A" "A" "C"
   [3925] "C" "T" "T" "C" "A" "G" "T" "T" "G" "A" "A" "C" "A" "G" "A" "G" "A" "A"
   [3961] "T" "C" "A" "A" "A" "G" "C" "T" "T" "G" "T" "G" "T" "T" "G" " " "A" "A"
##
   [3979] "G" "A" "A" "G" "T" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "C" "T" "G"
   [3997] "G" "A" "A" "G" "A" "A" "A" "C" "T" "A" "A" "G" "T" "T" "C" "C" "T" "C"
##
   [4015] "A" "C" "A" "G" "A" "A" "A" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T" "T"
##
   [4033] "T" "A" "T" "A" "T" "T" "G" "A" "C" "A" "T" "T" "A" "A" " " "T" "G" "G"
##
   [4051] "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "C" "A" "G" "A" "G" "A" "T" "T" "C"
   [4069] "T" "G" "C" "C" "A" "C" "T" "C" "T" "T" "G" "T" "T" "A" "G" "T" "G" "A"
##
   ##
   [4105] "A" "A" "A" "G" "A" "A" "G" "A" "T" "G" "C" "T" " "C" "C" "A" "T"
##
   [4123] "A" "T" "A" "T" "A" "G" "T" "G" "G" "G" "T" "G" "A" "T" "G" "A" "T" "G"
##
   ##
```

```
[4159] "C" "T" "G" "C" "T" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "C" "T" "A"
    [4177] "C" "T" "A" "A" "A" "A" "A" "G" "G" "C" "T" "G" " " " "G" "T" "G" "T" "G" "C"
##
    [4195] "A" "C" "T" "A" "C" "T" "G" "A" "A" "A" "T" "G" "C" "T" "A" "G" "C" "G"
##
    [4213] "A" "A" "A" "G" "C" "T" "T" "T" "G" "A" "G" "A" "A" "A" "A" "A" "G" "T" "G"
##
    [4231] "C" "C" "A" "A" "C" "A" "G" "A" "C" "A" "A" "T" "T" "A" "T" "A" "T" "A"
    [4249] "A" "C" "C" "A" "C" "T" "T" "A" "C" "C" "C" "C" " " "G" "G" "G" "T" "C" "A"
##
    [4267] "G" "G" "G" "T" "T" "T" "A" "A" "A" "T" "G" "G" "T" "T" "A" "C" "A" "C"
    [4285] "T" "G" "T" "A" "G" "A" "G" "G" "A" "G" "G" "C" "A" "A" "A" "A" "A" "C"
##
    [4303] "A" "G" "T" "G" "C" "T" "T" "A" "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "A"
##
    [4321] "A" "A" "G" "T" "G" "C" "C" "T" "T" "T" "T" "A" "C" "A" "T" "T" "C"
##
    [4339] "T" "A" "C" "C" "A" "T" "C" "T" "A" "T" "T" "A" "T" "C" "T" "C" "T" "A"
    [4357] "A" "T" "G" "A" "G" "A" "A" "G" "C" "A" "A" "G" "A" "A" "A" "A" "A" "T" "T" "C"
##
    [4375] "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "T" "C" "T" "C" "T" "G" "A"
    [4393] "A" "T" "T" "T" "G" "C" "G" "A" "G" " " "A" "A" "A" "T" "G" "C" "T" "T"
##
    [4429] "C" "G" "C" "A" "A" "A" "T" "T" "A" "A" "T" "G" "C" "C" "T" "G" "T" "C"
##
##
    [4447] "T" "G" "T" "G" "T" "G" "G" "A" "A" "A" "C" "T" "A" "A" "A" "A" "C" "T" "A" "A" "A" "G" "C" "C"
    [4465] "A" "T" "A" "G" "T" "T" "T" "C" " " "A" "A" "C" "T" "A" "T" "A" "C" "A"
    [4483] "G" "C" "G" "T" "A" "A" "A" "T" "A" "T" "A" "G" "G" "G" "G" "T" "A" "T"
    [4501] "T" "A" "A" "A" "A" "T" "A" "C" "A" "A" "G" "A" "G" "G" "G" "G" "T" "G" "T"
##
    [4519] "G" "G" "T" "T" "G" "A" "T" "T" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G"
##
    [4537] "A" "T" "T" "T" "T" "A" "C" " " "T" "T" "T" "T" "A" "C" "A" "C" "C" "A"
##
    [4555] "G" "T" "A" "A" "A" "A" "C" "A" "A" "C" "T" "G" "T" "A" "G" "C" "G" "T"
##
    [4573] "C" "A" "C" "T" "T" "A" "T" "C" "A" "A" "C" "A" "C" "A" "C" "A" "C" "T" "T" "A"
    [4591] "A" "C" "G" "A" "T" "C" "T" "A" "A" "A" "T" "G" "A" "A" "A" "A" "C" "T" "C"
##
    [4609] "T" "T" "G" "T" "T" "A" " " "C" "A" "A" "T" "G" "C" "C" "A" "C" "T" "T"
    [4627] "G" "G" "C" "T" "A" "T" "G" "T" "A" "A" "C" "A" "C" "A" "T" "G" "G" "C"
##
    [4645] "T" "T" "A" "A" "A" "T" "T" "T" "G" "G" "A" "A" "G" "A" "A" "G" "C" "T"
    [4663] "G" "C" "T" "C" "G" "G" "T" "A" "T" "A" "T" "G" "A" "G" "A" "T" "C" "T"
##
    [4681] "C" "T" "C" "A" "A" " " "A" "G" "T" "G" "C" "C" "A" "G" "C" "T" "A" "C"
    [4699] "A" "G" "T" "T" "T" "C" "T" "G" "T" "T" "T" "C" "T" "T" "C" "A" "C" "C"
##
    [4717] "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" "A" "C" "A" "G" "C" "G" "T" "A"
##
    [4735] "T" "A" "A" "T" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "T" "C"
##
    [4753] "T" "T" "C" "T" " "T" "C" "T" "A" "A" "A" "A" "C" "A" "C" "A" "C" "T" "G"
##
    [4771] "A" "A" "G" "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "T" "G" "A" "A" "A" "A"
##
    [4789] "C" "C" "A" "T" "C" "T" "C" "A" "C" "T" "T" "G" "C" "T" "G" "G" "T" "T"
##
    [4807] "C" "C" "T" "A" "T" "A" "A" "A" "G" "A" "T" "T" "G" "G" "T" "C" "C" "T"
##
##
    [4825] "A" "T" "T" " " "C" "T" "G" "G" "A" "C" "A" "A" "T" "C" "T" "A" "C" "A"
    [4843] "C" "A" "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "G" "A" "A" "T" "T" "T"
##
    [4861] "C" "T" "T" "A" "A" "G" "A" "G" "A" "G" "T" "G" "A" "T" "A" "A" "A" "A"
##
    [4879] "A" "G" "T" "G" "T" "A" "T" "A" "T" "A" "C" "A" "C" "T" "A" "G" "T"
    [4897] "A" "A" " " "T" "C" "C" "T" "A" "C" "C" "A" "C" "A" "T" "T" "T" "C" "C" "A"
##
    [4915] "C" "C" "T" "A" "G" "A" "T" "G" "G" "T" "G" "A" "A" "A" "T" "T" "A" "T"
    [4933] "C" "A" "C" "C" "T" "T" "T" "G" "A" "C" "A" "A" "T" "C" "T" "T" "A" "A"
##
    [4969] "A" " "G" "A" "A" "G" "T" "G" "A" "G" "G" "A" "C" "T" "A" "T" "T" "A"
##
    [4987] "A" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "A" "C" "A" "G" "T" "A" "G"
##
    [5005] "A" "C" "A" "A" "C" "A" "T" "T" "A" "A" "C" "C" "T" "C" "C" "A" "C" "A"
##
    [5023] "C" "G" "C" "A" "A" "G" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "G" "T"
    [5041] " "C" "A" "A" "T" "G" "A" "C" "A" "T" "A" "T" "G" "G" "A" "C" "A" "A"
##
    [5059] "C" "A" "G" "T" "T" "T" "G" "G" "T" "C" "C" "A" "A" "C" "T" "T" "A" "T"
##
    [5077] "T" "T" "G" "G" "A" "T" "G" "G" "A" "G" "C" "T" "G" "A" "T" "G" "T" "T"
##
    ##
    [5113] "T" "A" "A" "T" "T" "C" "A" "C" "A" "T" "G" "A" "A" "G" "G" "T" "A" "A" "A"
##
```

```
[5131] "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A" "C" "C"
    [5149] "T" "A" "A" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T" "C" "T" "A" "C" "T" "A" "C" "G"
##
    [5167] "T" "G" "T" "T" "G" "A" "G" "G" "C" "T" "T" "T" "T" "G" "A" "G" " " " "T"
##
   [5185] "A" "C" "T" "A" "C" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "A" "T" "C"
##
   [5203] "C" "T" "A" "G" "T" "T" "T" "T" "C" "T" "G" "G" "G" "T" "A" "G" "G" "T"
##
   [5221] "A" "C" "A" "T" "G" "T" "C" "A" "G" "C" "A" "T" "T" "A" "A" "A" "A" "T" "C"
   [5257] "T" "A" "C" "C" "C" "A" "C" "A" "A" "G" "T" "T" "A" "A" "A" "A" "T" "G" "T"
##
    [5275] "T" "T" "A" "A" "C" "T" "T" "C" "T" "A" "T" "T" "A" "A" "A" "A" "A" "T" "G" "G"
##
   [5293] "G" "C" "A" "G" "A" "T" "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "T"
##
    [5311] "C" "T" "T" "G" "C" "C" "A" "C" "T" "G" "C" "A" "T" "T" "T" " "G" "T" "T"
   [5329] "A" "A" "C" "A" "C" "T" "C" "C" "A" "A" "C" "A" "A" "A" "T" "A" "G" "A"
##
    [5347] "G" "T" "T" "G" "A" "A" "G" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C" "C"
   [5365] "T" "G" "C" "T" "C" "T" "A" "C" "A" "A" "G" "A" "T" "G" "C" "T" "T" "A"
##
   [5383] "T" "T" "A" "C" "A" "G" "A" "G" "C" "A" "A" "G" "G" "G" " " " "G" "C" "T" "G"
   [5401] "G" "T" "G" "A" "A" "G" "C" "T" "G" "A" "T" "A" "A" "C" "T" "T" "T" "T"
##
##
   [5419] "G" "T" "G" "C" "A" "C" "T" "T" "A" "T" "C" "T" "T" "A" "G" "C" "T"
    [5437] "A" "C" "T" "G" "T" "A" "A" "T" "A" "A" "G" "A" "C" "A" "G" "T" "A" "G"
##
   [5455] "G" "T" "G" "A" "G" "T" "T" "A" "G" "G" "T" "G" " " "A" "T" "G" "T" "T"
   [5473] "A" "G" "A" "G" "A" "A" "A" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "C"
##
   [5491] "T" "T" "G" "T" "T" "T" "C" "A" "A" "C" "A" "T" "G" "C" "C" "A" "A" "T"
##
   [5509] "T" "T" "A" "G" "A" "T" "T" "C" "T" "T" "G" "C" "A" "A" "A" "A" "A" "G" "A"
##
   [5527] "G" "T" "C" "T" "T" "G" "A" "A" "C" "G" "T" " "G" "G" "T" "G" "T" "G"
##
   [5545] "T" "A" "A" "A" "A" "C" "T" "T" "G" "T" "G" "G" "A" "C" "A" "A" "C" "A"
##
   [5563] "G" "C" "A" "G" "A" "C" "A" "A" "C" "C" "C" "T" "T" "A" "A" "G" "G" "G"
##
    [5581] "T" "G" "T" "A" "G" "A" "A" "G" "C" "T" "G" "T" "T" "A" "T" "G" "T" "A"
   [5599] "C" "A" "T" "G" "G" "G" "C" "A" "C" "A" " "C" "T" "T" "T" "T" "C" "T" "T"
##
   [5617] "A" "T" "G" "A" "A" "C" "A" "A" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G"
   [5635] "G" "T" "G" "T" "T" "C" "A" "G" "A" "T" "A" "C" "C" "T" "T" "G" "T" "A"
##
   [5653] "C" "G" "T" "G" "T" "G" "G" "T" "A" "A" "A" "C" "A" "A" "G" "C" "T" "A"
   [5671] "C" "A" "A" "A" "A" "T" "A" "T" "C" " "T" "A" "G" "T" "A" "C" "A" "A"
##
         "C" "A" "G" "G" "A" "G" "T" "C" "A" "C" "C" "T" "T" "T" "T" "T" "G" "T" "T"
##
    [5689]
   ##
   [5725] "G" "C" "T" "C" "A" "G" "T" "A" "T" "G" "A" "A" "C" "T" "T" "A" "A" "G"
##
   [5743] "C" "A" "T" "G" "G" "T" "A" "C" " " "A" "T" "T" "T" "A" "C" "T" "T" "G"
##
   [5761] "T" "G" "C" "T" "A" "G" "T" "G" "A" "G" "T" "A" "C" "A" "C" "T" "G" "G"
##
   [5779] "T" "A" "A" "T" "T" "A" "C" "C" "A" "G" "T" "G" "T" "G" "G" "T" "C" "A"
##
##
   [5797] "C" "T" "A" "T" "A" "A" "A" "A" "C" "A" "T" "A" "T" "A" "A" "C" "T" "T" "C"
   [5815] "T" "A" "A" "A" "G" "A" "A" " " "A" "C" "T" "T" "T" "G" "T" "A" "T" "T"
##
   [5833] "G" "C" "A" "T" "A" "G" "A" "C" "G" "G" "T" "G" "C" "T" "T" "T" "T" "A" "C"
##
    [5851] "T" "T" "A" "C" "A" "A" "A" "G" "T" "C" "C" "T" "C" "A" "G" "A" "A" "T"
   [5869] "A" "C" "A" "A" "A" "G" "G" "T" "C" "C" "T" "A" "T" "T" "A" "C" "G" "G"
##
   [5887] "A" "T" "G" "T" "T" "T" " "T" "C" "T" "A" "C" "A" "A" "A" "A" "A" "A" "A"
##
   [5923] "A" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "T" "A" "C" "T" "T" "A" "T"
   ##
         "T" "G" "T" "A" "C" " " "A" "G" "A" "A" "A" "T" "T" "G" "A" "T" "C" "C"
##
    [5959]
   [5977] "T" "A" "A" "G" "T" "T" "G" "G" "A" "C" "A" "A" "T" "T" "A" "T" "A" "T" "A"
##
    [5995] "T" "A" "A" "G" "A" "A" "A" "G" "A" "C" "A" "A" "T" "T" "T" "C" "T" "T" "A"
   [6013] "T" "T" "T" "T" "A" "C" "A" "G" "A" "G" "C" "A" "A" "C" "C" "A" "A" "T"
##
    [6031] "T" "G" "A" "T" " " "C" "T" "T" "G" "T" "A" "C" "C" "A" "A" "A" "A" "C" "C"
##
   [6049] "A" "A" "C" "C" "A" "T" "A" "T" "C" "C" "A" "A" "A" "C" "G" "C" "A" "A"
##
    ##
    [6085] "T" "T" "G" "T" "A" "T" "G" "T" "G" "A" "T" "A" "A" "T" "A" "T" "A" "T" "C" "A"
##
```

```
[6103] "A" "A" "T" " "T" "T" "G" "C" "T" "G" "A" "T" "G" "A" "T" "T" "T" "T" "A"
    [6121] "A" "A" "C" "C" "A" "G" "T" "T" "A" "A" "C" "T" "G" "G" "T" "T" "A" "T"
##
    [6139] "A" "A" "G" "A" "A" "A" "C" "C" "T" "G" "C" "T" "T" "C" "A" "A" "G" "A"
   [6157] "G" "A" "G" "C" "T" "T" "A" "A" "A" "G" "T" "T" "A" "C" "A" "T" "T" "T"
   [6175] "T" "T" " " "C" "C" "C" "T" "G" "A" "C" "T" "T" "A" "A" "A" "A" "T" "G" "G"
   [6193] "T" "G" "A" "T" "G" "T" "G" "G" "T" "G" "G" "C" "T" "A" "T" "T" "G" "A"
##
    [6229] "C" "T" "C" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G" "G" "G" "A" "G" "C"
##
    [6247] "T" " " "A" "A" "A" "T" "T" "G" "T" "T" "A" "C" "A" "T" "A" "A" "A" "A" "C"
##
    [6265] "C" "T" "A" "T" "T" "G" "T" "T" "T" "G" "G" "C" "A" "T" "G" "T" "T" "A"
##
    [6283] "A" "C" "A" "A" "T" "G" "C" "A" "A" "C" "T" "A" "A" "T" "A" "A" "A" "A" "A" "G"
   [6301] "C" "C" "A" "C" "G" "T" "A" "T" "A" "A" "A" "C" "C" "A" "A" "A" "A" "T" "A"
##
    [6319] " " "C" "C" "T" "G" "G" "T" "G" "T" "A" "T" "A" "C" "G" "T" "T" "G" "T"
   ##
   [6355] "G" "T" "T" "G" "A" "A" "A" "C" "A" "T" "C" "A" "A" "A" "A" "T" "T" "C" "G"
   [6373] "T" "T" "T" "G" "A" "T" "G" "T" "A" "C" "T" "G" "A" "A" "G" "T" "C" " "
##
##
    [6391] "A" "G" "A" "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "G" "G" "A" "A" "T"
    [6409] "G" "G" "A" "T" "A" "A" "T" "C" "T" "T" "G" "C" "C" "T" "G" "C" "G" "A"
##
   [6427] "A" "G" "A" "T" "C" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "C" "T" "C"
##
   [6445] "T" "G" "A" "A" "G" "A" "A" "G" "T" "A" "G" "T" "G" "G" "A" "A" "A" " "A"
##
   [6463] "A" "T" "C" "C" "T" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "A" "A" "A" "A" "G"
##
   [6481] "A" "C" "G" "T" "T" "C" "T" "T" "G" "A" "G" "T" "G" "T" "A" "A" "T" "G"
   [6499] "T" "G" "A" "A" "A" "A" "C" "T" "A" "C" "C" "G" "A" "A" "G" "T" "T" "G"
##
   [6517] "T" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "A" "C" " " "T" "T"
##
   [6535] "A" "A" "A" "C" "C" "A" "G" "C" "A" "A" "A" "T" "A" "A" "T" "A" "G" "T"
##
    [6553] "T" "T" "A" "A" "A" "A" "A" "T" "T" "A" "C" "A" "G" "A" "A" "G" "A" "G"
   [6571] "G" "T" "T" "G" "G" "C" "C" "A" "C" "A" "C" "A" "G" "A" "T" "C" "T" "A"
##
    [6589] "A" "T" "G" "G" "C" "T" "G" "C" "T" "T" "A" "T" "G" "T" " " "A" "G" "A"
   [6607] "C" "A" "A" "T" "T" "C" "T" "A" "G" "T" "C" "T" "T" "A" "C" "T" "A" "T"
##
   [6625] "T" "A" "A" "G" "A" "A" "A" "C" "C" "T" "A" "A" "T" "G" "A" "A" "T" "T"
   [6643] "A" "T" "C" "T" "A" "G" "A" "G" "T" "A" "T" "T" "A" "G" "G" "T" "T" "T"
##
         "G" "A" "A" "A" "A" "C" "C" "C" "C" "T" "T" "G" "C" "T" " " " "A" "C" "T" "C"
##
    [6661]
    [6679] "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "T" "G" "C" "T" "G" "T" "G" "T" "T" "A"
##
   [6697] "A" "T" "A" "G" "T" "G" "T" "C" "C" "C" "T" "T" "G" "G" "G" "A" "T" "A"
   [6715] "C" "T" "A" "T" "A" "G" "C" "T" "A" "A" "T" "T" "A" "T" "G" "C" "T" "A"
##
   [6733] "A" "G" "C" "C" "T" "T" "T" "T" "C" "T" "T" "A" " " "A" "A" "A" "A" "A"
##
   [6751] "G" "T" "T" "G" "T" "A" "G" "T" "A" "C" "A" "A" "C" "T" "A" "C" "T"
##
##
   [6769] "A" "A" "C" "A" "T" "A" "G" "T" "T" "A" "C" "A" "C" "G" "G" "T" "G" "T"
   [6787] "T" "T" "A" "A" "A" "C" "C" "G" "T" "G" "T" "T" "T" "G" "T" "A" "C" "T"
##
   [6805] "A" "A" "T" "T" "A" "T" "A" "T" "G" "C" "C" " " "T" "T" "A" "T" "T" "T"
##
    [6823] "C" "T" "T" "T" "A" "C" "T" "T" "T" "A" "T" "T" "G" "C" "T" "A" "C" "A"
   [6841] "A" "T" "T" "G" "T" "G" "T" "A" "C" "T" "T" "T" "T" "A" "C" "T" "A" "G"
##
    [6859] "A" "A" "G" "T" "A" "C" "A" "A" "A" "T" "T" "C" "T" "A" "G" "A" "A" "T"
##
   [6877] "T" "A" "A" "A" "G" "C" "A" "T" "C" "T" " "A" "T" "G" "C" "C" "G" "A"
    [6913] "C" "T" "G" "T" "T" "A" "A" "G" "A" "G" "T" "G" "T" "C" "G" "G" "T" "A"
##
    [6931] "A" "A" "T" "T" "T" "T" "G" "T" "C" "T" "A" "G" "A" "G" "G" "C" "T" "T"
##
    ##
   [6967] "T" "C" "A" "C" "C" "T" "A" "A" "T" "T" "T" "T" "T" "C" "T" "A" "A" "A" "A"
   [6985] "C" "T" "G" "A" "T" "A" "A" "A" "T" "A" "T" "A" "T" "A" "C" "A" "A" "T" "T"
##
   [7003] "T" "G" "G" "T" "T" "T" "T" "A" "C" "T" "A" "T" "T" "A" "A" "G" "T"
##
   [7021] "G" "T" "T" "T" "G" "C" "C" "T" " "A" "G" "G" "T" "T" "C" "T" "T" "T"
##
   [7039] "A" "A" "T" "C" "T" "A" "C" "T" "C" "A" "A" "C" "C" "G" "C" "G" "C"
##
   [7057] "T" "T" "A" "G" "G" "T" "G" "T" "T" "T" "T" "A" "A" "T" "G" "T" "C"
##
```

```
[7075] "T" "A" "A" "T" "T" "T" "A" "G" "G" "C" "A" "T" "G" "C" "C" "T" "T" "C"
    [7093] "T" "T" "A" "C" "T" "G" "T" " " "A" "C" "T" "G" "G" "T" "T" "A" "C" "A"
##
    [7111] "G" "A" "G" "A" "A" "G" "G" "C" "T" "A" "T" "T" "T" "G" "A" "A" "C" "T"
##
    [7129] "C" "T" "A" "C" "T" "A" "A" "T" "G" "T" "C" "A" "C" "T" "A" "T" "T" "G"
    [7147] "C" "A" "A" "C" "C" "T" "A" "C" "T" "G" "T" "A" "C" "T" "G" "T" "G" "T" "T"
    [7165] "C" "T" "A" "T" "A" "C" " " "C" "T" "T" "G" "T" "A" "G" "T" "G" "T" "T"
##
    [7183] "T" "G" "T" "C" "T" "T" "A" "G" "T" "G" "G" "T" "T" "T" "A" "G" "A" "T"
    [7201] "T" "C" "T" "T" "T" "A" "G" "A" "C" "A" "C" "C" "T" "A" "T" "C" "C" "T"
##
    [7219] "T" "C" "T" "T" "T" "A" "G" "A" "A" "A" "C" "T" "A" "T" "A" "C" "A" "A"
    [7237] "A" "T" "T" "A" "C" " " "C" "A" "T" "T" "T" "C" "A" "T" "C" "A" "T" "C" "T" "T"
##
    [7255] "T" "A" "A" "A" "T" "G" "G" "G" "A" "T" "T" "T" "A" "A" "C" "T" "G" "C"
    [7273] "T" "T" "T" "T" "G" "G" "C" "T" "T" "A" "G" "T" "T" "G" "C" "A" "G" "A"
##
    [7309] "T" "C" "T" "T" "T" "T" "C" "A" "C" "T" "A" "G" "G" "T" "T" "T" "T" "T"
##
##
    [7327] "T" "C" "T" "A" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "T" "T" "G" "G"
    [7345] "C" "T" "G" "C" "A" "A" "T" "C" "A" "T" "G" "C" "A" "A" "T" "T" "G" "T"
##
##
    [7363]
          "T" "T" "T" "T" "C" "A" "G" "C" "T" "A" "T" "T" "T" "T" "T" "G" "C" "A" "G"
    [7381] "T" "A" "C" " "A" "T" "T" "T" "T" "A" "T" "A" "G" "T" "A" "A" "T"
##
    [7399] "T" "C" "T" "T" "G" "G" "C" "T" "T" "A" "T" "G" "T" "G" "G" "T" "T" "A"
##
    [7417] "A" "T" "A" "A" "T" "T" "A" "A" "T" "C" "T" "T" "G" "T" "A" "C" "A" "A"
##
    [7435] "A" "T" "G" "G" "C" "C" "C" "C" "G" "A" "T" "T" "T" "C" "A" "G" "C" "T"
##
    [7453] "A" "T" " "G" "G" "T" "T" "A" "G" "A" "A" "T" "G" "T" "A" "C" "A" "T"
    [7471] "C" "T" "T" "C" "T" "T" "T" "G" "C" "A" "T" "C" "A" "T" "T" "T" "T" "A"
##
    [7489] "T" "T" "A" "T" "G" "T" "A" "T" "G" "G" "A" "A" "A" "A" "A" "G" "T" "T" "A"
##
    [7507] "T" "G" "T" "G" "C" "A" "T" "G" "T" "T" "G" "T" "A" "G" "A" "C" "G"
##
    [7525] "T" " " "T" "G" "T" "A" "A" "T" "T" "C" "A" "T" "C" "A" "A" "C" "T" "T"
    [7543] "G" "T" "A" "T" "G" "A" "T" "G" "T" "G" "T" "A" "C" "A" "A" "A" "A" "C"
##
    [7561] "G" "T" "A" "A" "T" "A" "G" "A" "G" "C" "A" "A" "C" "A" "A" "G" "A" "G"
    [7579] "T" "C" "G" "A" "A" "T" "G" "T" "A" "C" "A" "A" "C" "T" "A" "T" "T" "G"
##
    [7597] " " "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "A" "G" "A" "A" "G" "G"
    [7615] "T" "C" "C" "T" "T" "T" "T" "A" "T" "G" "T" "C" "T" "A" "T" "G" "T"
##
    [7633] "A" "A" "T" "G" "G" "A" "G" "G" "T" "A" "A" "A" "G" "G" "C" "T" "T" "T"
##
    [7651] "T" "G" "C" "A" "A" "A" "C" "T" "A" "C" "A" "C" "A" "A" "T" "T" "G" " "
##
    [7669] "G" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "T" "T" "G" "T" "G" "A"
##
    [7687] "T" "A" "C" "A" "T" "T" "C" "T" "G" "T" "G" "C" "T" "G" "G" "T" "A" "G"
##
    [7705] "T" "A" "C" "A" "T" "T" "T" "A" "T" "T" "A" "G" "T" "G" "A" "T" "G" "A"
##
    [7723] "A" "G" "T" "T" "G" "C" "G" "A" "G" "A" "G" "A" "C" "T" "T" "G" " "T"
##
##
    [7741] "C" "A" "C" "T" "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "A" "A" "G" "A" "C"
    [7759] "C" "A" "A" "T" "A" "A" "A" "T" "C" "C" "T" "A" "C" "T" "G" "A" "C" "C"
##
    [7777] "A" "G" "T" "C" "T" "T" "C" "T" "T" "A" "C" "A" "T" "C" "G" "T" "T" "G"
##
    [7795] "A" "T" "A" "G" "T" "G" "T" "T" "A" "C" "A" "G" "T" "G" "A" " "A" "G"
    [7813] "A" "A" "T" "G" "G" "T" "T" "C" "C" "A" "T" "C" "C" "A" "T" "C" "C" "A" "T" "C" "T" "T"
##
    [7831] "T" "A" "C" "T" "T" "T" "G" "A" "T" "A" "A" "A" "G" "C" "T" "G" "G" "T"
##
    [7849] "C" "A" "A" "A" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "G" "A"
    [7867] "C" "A" "T" "T" "C" "T" "C" "T" "C" "T" "C" "T" "C" "A" " " "T" "T" "T"
    [7885] "T" "G" "T" "T" "A" "A" "C" "T" "T" "A" "G" "A" "C" "A" "A" "C" "C" "T"
##
          "G" "A" "G" "A" "G" "C" "T" "A" "A" "T" "A" "A" "C" "A" "C" "T" "A" "A"
##
    [7903]
    [7921] "A" "G" "G" "T" "T" "C" "A" "T" "T" "G" "C" "C" "T" "A" "T" "A" "A"
##
    [7939] "T" "G" "T" "T" "A" "T" "A" "G" "T" "T" "T" "T" "T" " " "G" "A" "T" "G"
    [7957] "G" "T" "A" "A" "A" "T" "C" "A" "A" "A" "A" "T" "G" "T" "G" "A" "A" "A" "G"
##
    [7975] "A" "A" "T" "C" "A" "T" "C" "T" "G" "C" "A" "A" "A" "A" "A" "T" "C" "A" "G"
##
    [7993] "C" "G" "T" "C" "T" "G" "T" "T" "T" "A" "C" "T" "A" "C" "A" "G" "T" "C"
##
    [8011] "A" "G" "C" "T" "T" "A" "T" "G" "T" "G" "T" "C" " " "A" "A" "A" "C" "C" "T"
##
    [8029] "A" "T" "A" "C" "T" "G" "T" "T" "A" "C" "T" "A" "G" "A" "T" "C" "A" "G"
##
```

```
[8047] "G" "C" "A" "T" "T" "A" "G" "T" "G" "T" "C" "T" "G" "A" "T" "G" "T" "T"
    [8065] "G" "G" "T" "G" "A" "T" "A" "G" "T" "G" "C" "G" "G" "A" "A" "A" "G" "T" "T"
##
    [8083] "G" "C" "A" "G" "T" "T" "A" "A" "A" "A" "T" " " "G" "T" "T" "T" "G" "A"
##
    [8101] "T" "G" "C" "T" "T" "A" "C" "G" "T" "T" "A" "A" "T" "A" "C" "G" "T" "T"
    [8119] "T" "T" "C" "A" "T" "C" "A" "A" "C" "T" "T" "T" "T" "A" "A" "C" "G" "T"
    [8137] "A" "C" "C" "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A"
##
    [8155] "A" "A" "C" "A" "C" "T" "A" "G" "T" "T" " " "G" "C" "A" "A" "C" "T" "G"
    [8173] "C" "A" "G" "A" "A" "G" "C" "T" "G" "A" "A" "C" "T" "T" "G" "A" "A"
##
    [8191] "A" "G" "A" "A" "T" "G" "T" "G" "T" "C" "C" "T" "T" "A" "G" "A" "C" "A"
##
    [8209] "A" "T" "G" "T" "C" "T" "T" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "A"
##
    [8227] "T" "T" "T" "C" "A" "G" "C" "A" "G" " " "C" "T" "C" "G" "G" "G" "C" "A" "A"
    [8245] "G" "G" "G" "T" "T" "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "G" "A" "T"
##
    [8263] "G" "T" "A" "G" "A" "A" "A" "C" "T" "A" "A" "A" "G" "A" "T" "G" "T" "T"
    [8281] "G" "T" "T" "G" "A" "A" "T" "G" "T" "C" "T" "T" "A" "A" "A" "T" "T" "G"
##
##
    [8299] "T" "C" "A" "C" "A" "T" "C" "A" " " "A" "T" "C" "T" "G" "A" "C" "A" "T"
    [8317] "A" "G" "A" "A" "G" "T" "T" "A" "C" "T" "G" "G" "C" "G" "A" "T" "A" "G"
##
##
    [8335]
          "T" "T" "G" "T" "A" "A" "T" "A" "A" "C" "T" "A" "T" "A" "T" "G" "C" "T"
    [8353] "C" "A" "C" "C" "T" "A" "T" "A" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A"
##
    [8371] "A" "A" "A" "C" "A" "T" "G" " " "A" "C" "A" "C" "C" "C" "C" "C" "G" "T" "G"
##
    [8389] "A" "C" "C" "T" "T" "G" "G" "T" "G" "C" "T" "T" "G" "T" "A" "T" "T" "G"
##
    [8407] "A" "C" "T" "G" "T" "A" "G" "T" "G" "C" "G" "C" "G" "T" "C" "A" "T" "A"
##
    [8425] "T" "T" "A" "A" "T" "G" "C" "G" "C" "A" "G" "G" "T" "A" "G" "C" "A" "A"
    [8443] "A" "A" "A" "G" "T" "C" " " "A" "C" "A" "A" "C" "A" "T" "T" "G" "C" "T"
##
    [8461] "T" "T" "G" "A" "T" "A" "T" "G" "G" "A" "A" "C" "G" "T" "T" "A" "A" "A" "A"
##
    [8479] "G" "A" "T" "T" "T" "C" "A" "T" "G" "T" "C" "A" "T" "T" "G" "T" "C" "A" "T" "T" "G" "T" "C" "T"
##
    [8497] "G" "A" "A" "C" "A" "A" "C" "T" "A" "C" "G" "A" "A" "A" "A" "A" "C" "A" "A"
    [8515] "A" "T" "A" "C" "G" " " "T" "A" "G" "T" "G" "C" "T" "G" "C" "T" "A" "A"
##
    [8533] "A" "A" "A" "G" "A" "A" "T" "A" "A" "C" "T" "T" "A" "C" "C" "T" "T" "T"
    [8551] "T" "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "G" "T" "G" "C" "A" "A" "C"
##
    [8569] "T" "A" "C" "T" "A" "G" "A" "C" "A" "A" "G" "T" "T" "G" "T" "T" "A" "A" "A"
    ##
          "T" "A" "G" "C" "A" "C" "T" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "A"
##
    [8605]
    [8623] "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "T" "A" "A" "T" "T" "G" "G" "T"
##
    ##
    [8659] "T" "T" "A" " " "C" "A" "C" "T" "T" "G" "T" "G" "T" "T" "C" "C" "T" "T"
##
    [8677] "T" "T" "T" "G" "T" "T" "G" "C" "T" "G" "C" "T" "A" "T" "T" "T" "T" "C"
##
    ##
##
    [8713] "C" "A" "T" "G" "T" "C" "A" "T" "G" "T" "C" "T" "A" "A" "A" "A" "C" "A" "T"
    [8731] "A" "C" " "T" "G" "A" "C" "T" "T" "T" "T" "C" "A" "A" "G" "T" "G" "A"
##
    [8749] "A" "A" "T" "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "A" "A" "G" "G" "C"
##
    [8767] "T" "A" "T" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "T" "G" "T" "C" "A" "C"
    [8785] "T" "C" "G" "T" "G" "A" "C" "A" "T" "A" "G" "C" "A" "T" "C" "A" "T" "C" "A" "T" "C" "A" "T" "A" "C"
##
    [8803] "A" " " "G" "A" "T" "A" "C" "T" "T" "G" "T" "T" "T" "T" "G" "C" "T" "A"
    [8821] "A" "C" "A" "A" "A" "C" "A" "T" "G" "C" "T" "G" "A" "T" "T" "T" "T" "T" "G"
##
    [8839] "A" "C" "A" "C" "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "C" "A" "G" "C"
    [8857] "G" "T" "G" "G" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "T" "A" "C" "T" "A"
##
    [8875] " " "A" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "G" "C" "C" "C" "A"
##
    [8893] "T" "T" "G" "A" "T" "T" "G" "C" "T" "G" "C" "A" "G" "T" "C" "A" "T" "A"
##
    [8911] "A" "C" "A" "A" "G" "A" "G" "A" "A" "G" "T" "G" "G" "G" "T" "T" "T"
    [8929] "G" "T" "C" "G" "T" "G" "C" "C" "T" "G" "G" "T" "T" "T" "T" "G" "C" "C" "
##
          "T" "G" "G" "C" "A" "C" "G" "A" "T" "A" "T" "A" "C" "G" "C" "A" "C"
##
    [8947]
    [8965] "A" "A" "C" "T" "A" "A" "T" "G" "G" "T" "G" "A" "C" "T" "T" "T" "T" "T"
##
    [8983] "G" "C" "A" "T" "T" "T" "C" "T" "T" "A" "C" "C" "T" "A" "G" "A" "G" "T"
##
    [9001] "T" "T" "T" "T" "A" "G" "T" "G" "C" "A" "G" "T" "T" "G" "G" "T" " "A"
##
```

```
[9019] "A" "C" "A" "T" "C" "T" "G" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "A" "T"
   [9037] "C" "A" "A" "A" "A" "C" "T" "T" "A" "T" "A" "G" "A" "G" "T" "A" "C" "A"
##
   [9055] "C" "T" "G" "A" "C" "T" "T" "T" "G" "C" "A" "A" "C" "A" "T" "C" "A" "G"
##
   [9109] "G" "A" "T" "G" "C" "T" "T" "C" "T" "G" "G" "T" "A" "A" "G" "C" "C" "A"
##
   [9127] "G" "T" "A" "C" "C" "A" "T" "A" "T" "T" "G" "T" "T" "A" "T" "G" "A" "T"
   [9145] "A" "C" "C" "A" "A" "T" "G" "T" "A" "C" "T" "A" "G" "A" " " "A" "G" "G"
##
   [9163] "T" "T" "C" "T" "G" "T" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "G"
   [9181] "T" "T" "T" "A" "C" "G" "C" "C" "C" "T" "G" "A" "C" "A" "C" "A" "C" "A" "C" "G"
##
   [9199] "T" "T" "A" "T" "G" "T" "G" "C" "T" "C" "A" "T" "G" "G" "A" "T" "G" "G"
   [9217] "C" "T" "C" "T" "A" "T" "T" "A" "T" "T" "C" "A" "A" " " "T" "T" "T" "C"
##
   [9235] "C" "T" "A" "A" "C" "A" "C" "C" "T" "A" "C" "C" "T" "T" "G" "A" "A" "G"
   [9253] "G" "T" "T" "C" "T" "G" "T" "T" "A" "G" "A" "G" "T" "G" "G" "T" "A" "A"
##
   [9271] "C" "A" "A" "C" "T" "T" "T" "T" "G" "A" "T" "T" "C" "T" "G" "A" "G" "T"
   [9289] "A" "C" "T" "G" "T" "A" "G" "G" "C" "A" "C" "G" " " "G" "C" "A" "C" "T"
##
##
   [9307]
         "T" "G" "T" "G" "A" "A" "A" "G" "A" "T" "C" "A" "G" "A" "A" "G" "C" "T"
   [9325] "G" "G" "T" "G" "T" "T" "T" "G" "T" "G" "T" "A" "T" "C" "T" "A" "C" "T"
##
   [9343] "A" "G" "T" "G" "G" "T" "A" "G" "A" "T" "G" "G" "G" "T" "A" "C" "T" "T"
##
   [9361] "A" "A" "C" "A" "A" "T" "G" "A" "T" "T" "A" " "T" "T" "A" " "T" "A" "C" "A" "G"
##
   [9379] "A" "T" "C" "T" "T" "T" "A" "C" "C" "A" "G" "G" "A" "G" "T" "T" "T" "T"
##
   [9397] "C" "T" "G" "T" "G" "G" "T" "G" "T" "A" "G" "A" "T" "G" "C" "T" "G" "T"
##
   [9415] "A" "A" "A" "T" "T" "T" "A" "C" "T" "A" "C" "T" "A" "A" "A" "A" "A" "T" "A" "T"
##
   [9433] "G" "T" "T" "T" "A" "C" "A" "C" "C" "A" " " "C" "T" "A" "A" "T" "T" "C"
##
   [9451] "A" "A" "C" "C" "T" "A" "T" "T" "G" "G" "T" "G" "C" "T" "T" "T" "T" "G" "G"
##
   [9469] "A" "C" "A" "T" "A" "T" "C" "A" "G" "C" "A" "T" "C" "T" "A" "T" "A" "G"
   [9487] "T" "A" "G" "C" "T" "G" "G" "T" "G" "G" "T" "A" "T" "T" "G" "T" "A" "G"
   [9505] "C" "T" "A" "T" "C" "G" "T" "A" "G" " "T" "A" "A" "C" "A" "T" "G" "C"
   [9523] "C" "T" "T" "G" "C" "C" "T" "A" "C" "T" "A" "T" "T" "T" "T" "A" "T" "G"
##
   [9541] "A" "G" "G" "T" "T" "T" "A" "G" "A" "A" "G" "A" "G" "C" "T" "T" "T" "T"
   [9559] "G" "G" "T" "G" "A" "A" "T" "A" "T" "A" "G" "T" "C" "A" "T" "G" "T" "A"
##
         "G" "T" "T" "G" "C" "C" "T" "T" " " "T" "A" "A" "T" "A" "C" "T" "T" "T"
##
   [9577]
   [9595] "A" "C" "T" "A" "T" "T" "C" "C" "T" "T" "A" "T" "G" "T" "C" "A" "T" "T"
##
   [9613] "C" "A" "C" "T" "G" "T" "A" "C" "T" "C" "T" "G" "T" "T" "T" "A" "A" "C"
   [9631] "A" "C" "C" "A" "G" "T" "T" "T" "A" "C" "T" "C" "A" "T" "T" "C" "T" "T"
##
   [9649] "A" "C" "C" "T" "G" "G" "T" " "G" "T" "T" "A" "T" "T" "C" "T" "G"
##
   [9667] "T" "T" "A" "T" "T" "T" "A" "C" "T" "T" "G" "T" "A" "C" "T" "T" "G" "A"
##
##
   ##
   [9721] "A" "T" "A" "T" "T" "C" " " "A" "G" "T" "G" "G" "A" "T" "G" "G" "T" "T"
##
   [9739] "A" "T" "G" "T" "T" "C" "A" "C" "A" "C" "C" "T" "T" "T" "A" "G" "T" "A"
   [9757] "C" "C" "T" "T" "T" "C" "T" "G" "G" "A" "T" "A" "A" "C" "A" "A" "T" "T"
##
   [9775] "G" "C" "T" "T" "A" "T" "A" "T" "C" "A" "T" "T" "T" "T" "G" "T" "A" "T" "T"
##
   [9793] "T" "C" "C" "A" "C" " " "A" "A" "A" "G" "C" "A" "T" "T" "T" "C" "T" "A"
   [9811] "T" "T" "G" "G" "T" "T" "C" "T" "T" "T" "A" "G" "T" "A" "A" "A" "T" "T" "A"
   [9829] "C" "C" "T" "A" "A" "A" "G" "A" "G" "A" "C" "G" "T" "G" "T" "A" "G" "T"
##
         "C" "T" "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "T" "C" "C" "T" "T"
##
   [9847]
   [9865] "T" "A" "G" "T" " "A" "C" "T" "T" "T" "T" "G" "A" "A" "G" "A" "A" "G"
##
   [9883] "C" "T" "G" "C" "G" "C" "T" "G" "T" "G" "C" "A" "C" "C" "T" "T" "T" "T"
   ##
   [9919] "A" "T" "C" "T" "A" "A" "A" "G" "T" "T" "G" "C" "G" "T" "A" "G" "T" "G"
##
   [9937] "A" "T" "G" " "T" "G" "C" "T" "A" "T" "A" "C" "C" "T" "C" "T" "T"
##
   [9955] "A" "C" "G" "C" "A" "A" "T" "A" "T" "A" "T" "A" "G" "A" "T" "A" "C"
##
   ##
```

```
[9991] "T" "A" "C" "A" "A" "G" "T" "A" "T" "T" "T" "T" "A" "G" "T" "G" "G" "A"
  [10009] "G" "C" " " "A" "A" "T" "G" "G" "A" "T" "A" "C" "A" "A" "C" "T" "A" "G"
  [10027] "C" "T" "A" "C" "A" "G" "A" "G" "A" "G" "C" "T" "G" "C" "T" "G"
  [10045] "T" "T" "G" "T" "C" "A" "T" "C" "T" "C" "G" "C" "A" "A" "A" "A" "G" "G" "C"
## [10063] "T" "C" "T" "C" "A" "A" "T" "G" "A" "C" "T" "T" "C" "A" "G" "T" "A" "A"
## [10081] "C" " " "T" "C" "A" "G" "G" "T" "T" "C" "T" "G" "A" "T" "G" "T" "T" "C"
## [10117] "C" "C" "T" "C" "T" "A" "T" "C" "A" "C" "C" "T" "C" "A" "G" "C" "T" "G"
  [10135] "T" "T" "T" "T" "G" "C" "A" "G" "A" "G" "T" "G" "G" "T" "T" "T" "T" "A"
  [10153] " " "G" "A" "A" "A" "A" "A" "T" "G" "G" "C" "A" "T" "T" "C" "C" "C" "A"
  [10171] "T" "C" "T" "G" "G" "T" "A" "A" "A" "G" "T" "T" "G" "A" "G" "G" "G" "T"
## [10189] "T" "G" "T" "A" "T" "G" "G" "T" "A" "C" "A" "A" "G" "T" "A" "A" "C" "T"
  ## [10225] "T" "A" "A" "C" "G" "G" "T" "C" "T" "T" "T" "G" "G" "C" "T" "T" "G" "A"
## [10243] "T" "G" "A" "C" "G" "T" "A" "G" "T" "T" "T" "A" "C" "T" "G" "T" "C" "C"
## [10261] "A" "A" "G" "A" "C" "A" "T" "G" "T" "G" "A" "T" "C" "T" "G" "C" "A" "C"
  [10279] "C" "T" "C" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "C" "T" "T" " "A"
  [10297] "A" "C" "C" "C" "T" "A" "A" "T" "T" "A" "T" "G" "A" "A" "G" "A" "T" "T"
  [10315] "T" "A" "C" "T" "C" "A" "T" "T" "C" "G" "T" "A" "A" "A" "G" "T" "C" "T" "A"
## [10333] "A" "T" "C" "A" "T" "A" "A" "T" "T" "T" "C" "T" "T" "G" "G" "T" "A" "C"
## [10351] "A" "G" "G" "C" "T" "G" "G" "T" "A" "A" "T" "G" "T" "T" "C" " " "A" "A"
## [10369] "C" "T" "C" "A" "G" "G" "G" "T" "T" "A" "T" "T" "G" "G" "A" "C" "A" "T"
## [10387] "T" "C" "T" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "G" "T" "G" "T" "A"
## [10405] "C" "T" "T" "A" "A" "G" "C" "T" "T" "A" "A" "G" "G" "T" "T" "G" "A" "T"
## [10423] "A" "C" "A" "G" "C" "C" "A" "A" "T" "C" "C" "T" "A" "A" " " " "G" "A" "C"
  [10441] "A" "C" "C" "T" "A" "A" "G" "T" "A" "T" "A" "A" "G" "T" "T" "T" "G" "T"
## [10459] "T" "C" "G" "C" "A" "T" "T" "C" "A" "A" "C" "C" "A" "G" "G" "A" "C" "A"
## [10477] "G" "A" "C" "T" "T" "T" "T" "C" "A" "G" "T" "G" "T" "T" "A" "G" "C"
## [10495] "T" "T" "G" "T" "T" "A" "C" "A" "A" "T" "G" "G" "T" " " "T" "C" "A" "C"
## [10513] "C" "A" "T" "C" "T" "G" "G" "T" "G" "T" "T" "T" "A" "C" "C" "A" "A" "T"
## [10531] "G" "T" "G" "C" "T" "A" "T" "G" "A" "G" "G" "C" "C" "C" "A" "A" "T" "T"
  [10549] "T" "C" "A" "C" "T" "A" "T" "T" "A" "G" "G" "G" "G" "T" "T" "C" "A" "T"
  [10567] "T" "C" "C" "T" "T" "A" "A" "T" "G" "G" "T" "T" "T" " " "C" "A" "T" "G" "T"
## [10603] "A" "T" "A" "G" "A" "T" "T" "A" "T" "G" "A" "C" "T" "G" "T" "G" "T" "C"
## [10621] "T" "C" "T" "T" "T" "T" "T" "G" "T" "A" "C" "A" "T" "G" "C" "A" "C"
## [10639] "C" "A" "T" "A" "T" "G" "G" "A" "A" "T" "T" " " "A" "C" "C" "A" "A" "C"
## [10657] "T" "G" "G" "A" "G" "T" "T" "C" "A" "T" "G" "C" "T" "G" "G" "C" "A" "C"
## [10675] "A" "G" "A" "C" "T" "T" "A" "G" "A" "A" "G" "G" "T" "A" "A" "C" "T" "T"
  ##
## [10711] "C" "A" "G" "G" "C" "A" "A" "A" "C" "A" " " "G" "C" "A" "C" "A" "A" "G"
## [10729] "C" "A" "G" "C" "T" "G" "G" "T" "A" "C" "G" "G" "A" "C" "A" "C" "A" "A"
  [10747] "C" "T" "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "A" "A" "T" "G" "T" "T"
## [10765] "T" "A" "G" "C" "T" "T" "G" "G" "T" "T" "G" "T" "A" "C" "G" "C" "T" "G"
## [10783] "C" "T" "G" "T" "T" "A" "T" "A" "A" " " "A" "T" "G" "G" "A" "G" "A" "C"
## [10801] "A" "G" "G" "T" "G" "G" "T" "T" "T" "C" "T" "C" "A" "A" "T" "C" "G" "A"
  [10819] "T" "T" "A" "C" "C" "A" "C" "A" "A" "C" "T" "C" "T" "T" "A" "A" "T"
  [10837] "G" "A" "C" "T" "T" "T" "A" "A" "C" "C" "T" "T" "G" "T" "G" "G" "C" "T"
  [10855] "A" "T" "G" "A" "A" "G" "T" "A" " " "C" "A" "A" "T" "T" "A" "T" "G" "A"
## [10873] "A" "C" "C" "T" "C" "T" "A" "A" "C" "A" "C" "A" "G" "A" "C" "C" "A"
  [10891] "T" "G" "T" "T" "G" "A" "C" "A" "T" "A" "C" "T" "A" "G" "G" "A" "C" "C"
## [10909] "T" "C" "T" "T" "T" "C" "T" "G" "C" "T" "C" "A" "A" "A" "C" "T" "G" "G"
## [10927] "A" "A" "T" "T" "G" "C" "C" " " "G" "T" "T" "T" "T" "A" "G" "A" "T" "A"
## [10945] "T" "G" "T" "G" "T" "G" "C" "T" "T" "C" "A" "T" "T" "A" "A" "A" "A" "A" "G"
```

```
## [10963] "A" "A" "T" "T" "A" "C" "T" "G" "C" "A" "A" "A" "A" "T" "G" "G" "T" "A"
  [10981] "T" "G" "A" "A" "T" "G" "G" "A" "C" "G" "T" "A" "C" "C" "A" "T" "A" "T"
  [10999] "T" "G" "G" "G" "T" "A" " " "G" "T" "G" "C" "T" "T" "T" "A" "T" "T" "A" "T" "A"
## [11017] "G" "A" "A" "G" "A" "T" "G" "A" "T" "T" "T" "T" "A" "C" "A" "C" "A" "C" "T"
## [11035] "T" "T" "T" "G" "A" "T" "G" "T" "T" "G" "T" "T" "A" "G" "A" "C" "A" "A"
## [11053] "T" "G" "C" "T" "C" "A" "G" "G" "T" "G" "T" "T" "A" "C" "T" "T" "T" "C"
## [11071] "C" "A" "A" "A" "G" " " "T" "G" "C" "A" "G" "T" "G" "A" "A" "A" "A" "A" "G"
## [11089] "A" "A" "C" "A" "A" "T" "C" "A" "A" "G" "G" "G" "T" "A" "C" "A" "C" "A"
  [11107] "C" "C" "A" "C" "T" "G" "G" "T" "T" "G" "T" "T" "A" "C" "T" "C" "A" "C"
  [11125] "A" "A" "T" "T" "T" "T" "G" "A" "C" "T" "T" "C" "A" "C" "T" "T" "T" "T"
  [11143] "A" "G" "T" "T" " " "T" "T" "A" "G" "T" "C" "C" "A" "G" "A" "G" "T" "A"
## [11161] "C" "T" "C" "A" "A" "T" "G" "G" "T" "C" "T" "T" "T" "G" "T" "T" "C" "T"
  [11179] "T" "T" "T" "T" "T" "T" "T" "G" "T" "A" "T" "G" "A" "A" "A" "A" "A" "T" "G"
## [11197] "C" "C" "T" "T" "T" "T" "A" "C" "C" "T" "T" "T" "T" "G" "C" "T" "A"
## [11215] "T" "G" "G" " " "G" "T" "A" "T" "T" "A" "T" "T" "G" "C" "T" "A" "T" "G"
## [11233] "T" "C" "T" "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "T" "G" "A" "T" "G"
  [11251] "T" "T" "T" "G" "T" "C" "A" "A" "A" "C" "A" "T" "A" "A" "G" "C" "A" "T"
  ## [11287] "T" "T" " " "G" "T" "T" "A" "C" "C" "T" "T" "C" "T" "C" "T" "T" "G" "C"
## [11323] "T" "A" "T" "G" "G" "T" "C" "T" "A" "T" "A" "T" "G" "C" "C" "T" "G" "C"
## [11341] "T" "A" "G" "T" "T" "G" "G" "G" "T" "G" "A" "T" "G" "C" "G" "T" "A" "T"
## [11359] "T" " "A" "T" "G" "A" "C" "A" "T" "G" "G" "T" "T" "G" "G" "A" "T" "A"
## [11377] "T" "G" "G" "T" "T" "G" "A" "T" "A" "C" "T" "A" "G" "T" "T" "T" "T" "G" "A"
## [11395] "A" "G" "C" "T" "A" "A" "A" "G" "A" "C" "T" "G" "T" "G" "T" "T" "A"
  [11413] "T" "G" "T" "A" "T" "G" "C" "A" "T" "C" "A" "G" "C" "T" "G" "T" "A" "G"
## [11431] " " "T" "G" "T" "T" "A" "C" "T" "A" "A" "T" "C" "C" "T" "T" "A" "T" "G"
## [11449] "A" "C" "A" "G" "C" "A" "A" "G" "A" "A" "C" "T" "G" "T" "G" "T" "A" "T"
## [11467] "G" "A" "T" "G" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G" "G" "A" "G" "A"
## [11485] "G" "T" "G" "T" "G" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "
## [11503] "T" "G" "T" "C" "T" "T" "G" "A" "C" "A" "C" "T" "C" "G" "T" "T" "T" "A"
  [11521] "T" "A" "A" "A" "G" "T" "T" "T" "A" "T" "A" "T" "G" "G" "T" "A" "A"
  [11539] "T" "G" "C" "T" "T" "T" "A" "G" "A" "T" "C" "A" "A" "G" "C" "C" "A" "T"
## [11557] "T" "T" "C" "C" "A" "T" "G" "T" "G" "G" "G" "C" "T" "C" "T" "T" " " "A"
## [11575] "T" "A" "A" "T" "C" "T" "C" "T" "G" "T" "T" "A" "C" "T" "T" "C" "T" "A"
## [11593] "A" "C" "T" "A" "C" "T" "C" "A" "G" "G" "T" "G" "T" "A" "G" "T" "T" "A"
## [11647] "A" "T" "G" "T" "G" "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "G" "C"
  [11665] "C" "C" "T" "A" "T" "T" "T" "T" "C" "T" "T" "C" "A" "T" "A" "A" "C" "T"
##
  [11683] "G" "G" "T" "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "A" "G" "T" "G" "T"
## [11701] "A" "T" "A" "A" "T" "G" "C" "T" "A" "G" "T" "T" "A" "T" "A" " " "T" "T" "G"
  [11719] "T" "T" "T" "C" "T" "T" "A" "G" "G" "C" "T" "A" "T" "T" "T" "T" "T" "G"
## [11737] "T" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T" "T" "T" "G" "G" "C" "C" "T"
## [11755] "C" "T" "T" "T" "T" "G" "T" "T" "T" "A" "C" "T" "C" "A" "A" "C" "C" "G"
## [11773] "C" "T" "A" "C" "T" "T" "T" "A" "G" "A" "C" "T" "G" " " "A" "C" "T" "C"
  [11791] "T" "T" "G" "G" "T" "G" "T" "T" "T" "A" "T" "G" "A" "T" "T" "A" "C" "T"
  [11809] "T" "A" "G" "T" "T" "T" "C" "T" "A" "C" "A" "C" "A" "G" "A" "G" "T"
  [11827] "T" "T" "A" "G" "A" "T" "A" "T" "A" "T" "G" "A" "A" "T" "T" "C" "A" "C"
## [11845] "A" "G" "G" "G" "A" "C" "T" "A" "C" "T" "C" "C" " " "C" "A" "C" "C" "C"
## [11863] "A" "A" "G" "A" "A" "T" "A" "G" "C" "A" "T" "A" "G" "C" "C"
## [11881] "T" "T" "C" "A" "A" "C" "T" "C" "A" "A" "C" "A" "T" "T" "A" "A" "A" "A"
## [11917] "A" "A" "A" "C" "C" "T" "T" "G" "T" "A" "T" " " "C" "A" "A" "A" "A" "G" "T"
```

```
## [11935] "A" "G" "C" "C" "A" "C" "T" "G" "T" "A" "C" "A" "G" "T" "C" "T" "A" "A"
   [11953] "A" "A" "T" "G" "T" "C" "A" "G" "A" "T" "G" "T" "A" "A" "A" "A" "G" "T" "G"
  [11971] "C" "A" "C" "A" "T" "C" "A" "G" "T" "A" "G" "T" "C" "T" "T" "A" "C" "T"
## [11989] "C" "T" "C" "A" "G" "T" "T" "T" "G" " " "C" "A" "A" "C" "A" "A" "C"
## [12007] "T" "C" "A" "G" "A" "G" "T" "A" "G" "A" "A" "T" "C" "A" "T" "C" "A" "T"
## [12025] "C" "T" "A" "A" "A" "T" "T" "G" "T" "G" "G" "G" "C" "T" "C" "A" "A" "T"
## [12043] "G" "T" "G" "T" "C" "C" "A" "G" "T" "T" "A" "C" "A" "C" "A" "A" "T" "G"
## [12061] "A" "C" "A" "T" "T" "C" "T" "C" "T" " "T" "A" "G" "C" "T" "A" "A" "A"
## [12079] "G" "A" "T" "A" "C" "T" "A" "C" "T" "G" "A" "A" "G" "C" "C" "T" "T" "T"
## [12097] "G" "A" "A" "A" "A" "A" "A" "T" "G" "G" "T" "T" "T" "C" "A" "C" "T" "A"
  [12115] "C" "T" "T" "T" "C" "T" "G" "T" "T" "T" "T" "G" "C" "T" "T" "T" "T" "C" "C"
## [12133] "A" "T" "G" "C" "A" "G" "G" "G" " " "T" "G" "C" "T" "G" "T" "A" "G" "A"
## [12151] "C" "A" "T" "A" "A" "A" "C" "A" "G" "C" "T" "T" "T" "T" "G" "T" "G" "A"
## [12169] "A" "G" "A" "A" "A" "T" "G" "C" "T" "G" "G" "A" "C" "A" "A" "C" "A" "G"
## [12187] "G" "G" "C" "A" "A" "C" "C" "T" "T" "A" "C" "A" "A" "G" "C" "T" "A" "T"
## [12205] "A" "G" "C" "C" "T" "C" "A" " " "G" "A" "G" "T" "T" "T" "A" "G" "T" "T"
  [12223] "C" "C" "C" "T" "T" "C" "C" "A" "T" "C" "A" "T" "A" "T" "A" "T" "G" "C" "A" "G"
## [12241] "C" "T" "T" "T" "T" "G" "C" "T" "A" "C" "T" "G" "C" "T" "C" "A" "A" "G"
## [12259] "A" "A" "G" "C" "T" "T" "A" "T" "G" "A" "G" "C" "A" "G" "G" "C" "T" "G"
## [12277] "T" "T" "G" "C" "T" "A" " " "A" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T"
## [12295] "G" "A" "A" "G" "T" "T" "G" "T" "T" "C" "T" "T" "A" "A" "A" "A" "A" "A" "G"
## [12313] "T" "T" "G" "A" "A" "G" "A" "A" "G" "T" "C" "T" "T" "T" "G" "A" "A" "T"
## [12331] "G" "T" "G" "G" "C" "T" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T" "T"
## [12349] "G" "A" "C" "C" "G" " " "T" "G" "A" "T" "G" "C" "A" "G" "C" "C" "A" "T"
## [12367] "G" "C" "A" "A" "C" "G" "T" "A" "A" "G" "T" "T" "G" "G" "A" "A" "A" "A" "A"
## [12385] "G" "A" "T" "G" "G" "C" "T" "G" "A" "T" "C" "A" "A" "G" "C" "T" "A" "T"
## [12403] "G" "A" "C" "C" "C" "A" "A" "A" "T" "G" "T" "A" "T" "A" "A" "A" "A" "C" "A"
## [12421] "G" "G" "C" "T" " "A" "G" "A" "T" "C" "T" "G" "A" "G" "G" "A" "C" "A"
## [12439] "A" "G" "A" "G" "G" "G" "C" "A" "A" "A" "A" "G" "T" "T" "A" "C" "T" "A"
## [12457] "G" "T" "G" "C" "T" "A" "T" "G" "C" "A" "G" "A" "C" "A" "A" "T" "G" "C"
## [12475] "T" "T" "T" "T" "C" "A" "C" "T" "A" "T" "G" "C" "T" "T" "A" "G" "A" "A"
  [12493] "A" "G" "T" " "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "G" "C" "A"
## [12511] "C" "T" "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C"
## [12529] "A" "A" "T" "G" "C" "A" "A" "G" "A" "G" "A" "T" "G" "G" "T" "T" "G" "T"
## [12547] "G" "T" "T" "C" "C" "C" "T" "T" "G" "A" "A" "C" "A" "T" "A" "A" "T" "A"
## [12565] "C" "C" " " "T" "C" "T" "T" "A" "C" "A" "A" "C" "A" "G" "C" "A" "G" "C"
## [12583] "C" "A" "A" "A" "C" "T" "A" "A" "T" "G" "G" "T" "T" "G" "T" "C" "A" "T"
## [12601] "A" "C" "C" "A" "G" "A" "C" "T" "A" "T" "A" "A" "C" "A" "C" "A" "T" "A"
## [12619] "T" "A" "A" "A" "A" "A" "T" "A" "C" "G" "T" "G" "T" "G" "A" "T" "G" "G"
## [12637] "T" " "A" "C" "A" "A" "C" "A" "T" "T" "T" "A" "C" "T" "T" "A" "T" "G"
## [12655] "C" "A" "T" "C" "A" "G" "C" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "A" "A"
## [12673] "T" "C" "C" "A" "A" "C" "A" "G" "G" "T" "T" "G" "T" "A" "G" "A" "T" "G"
## [12691] "C" "A" "G" "A" "T" "A" "G" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "C"
## [12709] " " "A" "A" "C" "T" "T" "A" "G" "T" "G" "A" "A" "A" "T" "T" "A" "G" "T"
## [12727] "A" "T" "G" "G" "A" "C" "A" "A" "T" "T" "C" "A" "C" "C" "T" "A" "A" "T"
## [12745] "T" "T" "A" "G" "C" "A" "T" "G" "G" "C" "C" "T" "C" "T" "T" "A" "T" "T"
   [12763] "G" "T" "A" "A" "C" "A" "G" "C" "T" "T" "T" "A" "A" "G" "G" "G" "C" " "
## [12781] "C" "A" "A" "T" "T" "C" "T" "G" "C" "T" "G" "T" "C" "A" "A" "A" "A" "T" "T"
  [12799] "A" "C" "A" "G" "A" "A" "T" "A" "A" "T" "G" "A" "G" "C" "T" "T" "A" "G"
## [12817] "T" "C" "C" "T" "G" "T" "T" "G" "C" "A" "C" "T" "A" "C" "G" "A" "C" "A"
## [12835] "G" "A" "T" "G" "T" "C" "T" "G" "T" "G" "T" "G" "C" "T" "G" "C" "C" " " "G"
## [12853] "G" "T" "A" "C" "T" "A" "C" "A" "C" "A" "A" "A" "C" "T" "G" "C" "T" "T"
## [12871] "G" "C" "A" "C" "T" "G" "A" "T" "G" "A" "A" "T" "G" "A" "A" "T" "G" "C" "G" "T"
```

```
## [12907] "C" "A" "A" "A" "G" "G" "G" "A" "G" "G" "T" "A" "G" "G" "T" " "T" "T"
  [12925] "G" "T" "A" "C" "T" "T" "G" "C" "A" "C" "T" "G" "T" "T" "A" "T" "A" "T" "C" "C"
## [12943] "G" "A" "T" "T" "T" "A" "C" "A" "G" "G" "A" "T" "T" "T" "T" "G" "A" "A" "A"
## [12961] "T" "G" "G" "G" "C" "T" "A" "G" "A" "T" "T" "C" "C" "C" "T" "A" "A" "G"
## [12979] "A" "G" "T" "G" "A" "T" "G" "G" "A" "A" "C" "T" "G" "G" " " "T" "A" "C"
## [12997] "T" "A" "T" "C" "T" "A" "T" "A" "C" "A" "G" "A" "A" "C" "T" "G" "G" "A"
## [13015] "A" "C" "C" "A" "C" "C" "T" "T" "G" "T" "A" "G" "G" "T" "T" "T" "G" "T"
## [13033] "T" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "T" "A" "A" "A" "A" "G" "G"
  [13051] "T" "C" "C" "T" "A" "A" "A" "G" "T" "G" "A" "A" "G" " " "T" "A" "T" "T"
  [13087] "T" "A" "A" "A" "C" "A" "A" "C" "C" "T" "A" "A" "A" "A" "T" "A" "G" "A" "G"
## [13105] "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "T" "G" "G" "T" "A" "G" "T" "T"
  [13123] "T" "A" "G" "C" "T" "G" "C" "C" "A" "C" "A" "G" " " " "T" "A" "C" "G" "T"
## [13141] "C" "T" "A" "C" "A" "A" "G" "C" "T" "G" "G" "T" "A" "A" "T" "G" "C" "A"
## [13159] "A" "C" "A" "G" "A" "A" "G" "T" "G" "C" "C" "T" "G" "C" "C" "A" "A" "T"
## [13177] "T" "C" "A" "A" "C" "T" "G" "T" "A" "T" "T" "A" "T" "C" "T" "T" "T" "C"
  [13195] "T" "G" "T" "G" "C" "T" "T" "T" "T" "G" "C" " " " "T" "G" "T" "A" "G" "A"
  [13213] "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "G" "C" "T" "T" "A" "C" "A" "A"
  [13231] "A" "G" "A" "T" "T" "A" "T" "C" "T" "A" "G" "C" "T" "A" "G" "T" "A" "G" "T" "G" "G"
## [13249] "G" "G" "G" "A" "C" "A" "A" "C" "C" "A" "A" "T" "C" "A" "C" "T" "A" "A"
## [13267] "T" "T" "G" "T" "G" "T" "T" "A" "A" "G" " " "A" "T" "G" "T" "T" "G" "T"
## [13285] "G" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "T" "A" "C" "T" "G"
## [13303] "G" "T" "C" "A" "G" "G" "C" "A" "A" "T" "A" "A" "C" "A" "G" "T" "T" "A"
## [13321] "C" "A" "C" "C" "G" "G" "A" "A" "G" "C" "C" "A" "A" "T" "A" "T" "G" "G"
## [13339] "A" "T" "C" "A" "A" "G" "A" "A" "T" " " "C" "C" "T" "T" "T" "G" "G" "T"
  [13357] "G" "G" "T" "G" "C" "A" "T" "C" "G" "T" "G" "T" "T" "G" "T" "C" "T" "G"
## [13375] "T" "A" "C" "T" "G" "C" "C" "G" "T" "T" "G" "C" "C" "A" "T" "A"
  [13393] "G" "A" "T" "C" "A" "T" "C" "C" "A" "A" "A" "T" "C" "C" "T" "A" "A" "A" "A"
## [13411] "G" "G" "A" "T" "T" "T" "T" "G" " "T" "G" "A" "C" "T" "T" "A" "A" "A"
## [13429] "A" "G" "G" "T" "A" "A" "G" "T" "A" "T" "G" "T" "A" "C" "A" "A" "A" "T"
## [13447] "A" "C" "C" "T" "A" "C" "A" "A" "C" "T" "T" "G" "T" "G" "C" "T" "A" "A"
  ## [13483] "A" "C" "T" "T" "A" "A" "A" "A" "A" "C" "A" "C" "A" "G" "T" "C" "T"
## [13501] "G" "T" "A" "C" "C" "G" "T" "C" "T" "G" "C" "G" "G" "T" "A" "T" "G" "T"
## [13519] "G" "G" "A" "A" "A" "G" "G" "T" "T" "A" "T" "G" "G" "C" "T" "G" "T" "A"
## [13537] "G" "T" "T" "G" "T" "G" "A" "T" "C" "A" "A" "C" "T" "C" "C" "G" "C" "G"
## [13555] "A" "A" "C" "C" "C" "A" " "T" "G" "C" "T" "T" "C" "A" "G" "T" "C" "A"
## [13573] "G" "C" "T" "G" "A" "T" "G" "C" "A" "C" "A" "A" "T" "C" "G" "T" "T" "T"
## [13591] "T" "T" "A" "A" "A" "C" "G" "G" "G" "T" "T" "T" "G" "C" "G" "G" "T" "G"
## [13609] "T" "A" "A" "G" "T" "G" "C" "A" "G" "C" "C" "C" "G" "T" "C" "T" "T" "A"
## [13627] "C" "A" "C" "C" "G" " " "T" "G" "C" "G" "G" "C" "A" "C" "A" "G" "G" "C"
## [13645] "A" "C" "T" "A" "G" "T" "A" "C" "T" "G" "A" "T" "G" "T" "C" "G" "T" "A"
## [13663] "T" "A" "C" "A" "G" "G" "G" "C" "T" "T" "T" "T" "G" "A" "C" "A" "T" "C"
## [13681] "T" "A" "C" "A" "A" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "G" "C" "T"
## [13699] "G" "G" "T" "T" " "T" "T" "G" "C" "T" "A" "A" "A" "T" "T" "C" "C" "T"
## [13717] "A" "A" "A" "A" "A" "C" "T" "A" "A" "T" "T" "G" "T" "T" "G" "T" "C" "G"
  [13735] "C" "T" "T" "C" "C" "A" "A" "G" "A" "A" "A" "A" "G" "G" "A" "C" "G" "A"
  [13753] "A" "G" "A" "T" "G" "A" "C" "A" "A" "T" "T" "T" "A" "A" "T" "T" "G" "A"
  [13771] "T" "T" "C" " " "T" "T" "A" "C" "T" "T" "T" "G" "T" "A" "G" "T" "A"
## [13789] "A" "G" "A" "G" "A" "C" "A" "C" "T" "T" "T" "T" "C" "T" "C" "T" "A"
## [13843] "A" "G" " " "G" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "T" "G" "T" "T"
## [13861] "G" "C" "T" "A" "A" "A" "C" "A" "T" "G" "A" "C" "T" "T" "C" "T" "T" "T"
```

```
## [13879] "A" "A" "G" "T" "T" "T" "A" "G" "A" "A" "T" "A" "G" "A" "C" "G" "G" "T"
  [13897] "G" "A" "C" "A" "T" "G" "G" "T" "A" "C" "C" "A" "C" "A" "T" "A" "T" "A"
## [13915] "T" " " "C" "A" "C" "G" "T" "C" "A" "A" "C" "G" "T" "C" "T" "T" "A" "C"
## [13951] "C" "C" "T" "C" "G" "T" "C" "T" "A" "T" "G" "C" "T" "T" "T" "A" "A" "G"
## [13969] "G" "C" "A" "T" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "G" "T" "A" "A"
## [13987] " " "T" "T" "G" "T" "G" "A" "C" "A" "C" "A" "T" "T" "A" "A" "A" "A" "A" "G"
## [14005] "A" "A" "A" "T" "A" "C" "T" "T" "G" "T" "C" "A" "C" "A" "T" "A" "C" "A"
## [14023] "A" "T" "T" "G" "T" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T" "T"
## [14041] "A" "T" "T" "T" "C" "A" "A" "T" "A" "A" "A" "A" "A" "G" "G" "A" "C" "
  [14059] "T" "G" "G" "T" "A" "T" "G" "A" "T" "T" "T" "T" "G" "T" "A" "G" "A" "A" "A"
## [14077] "A" "A" "C" "C" "C" "A" "G" "A" "T" "A" "T" "A" "T" "A" "T" "A" "C" "G" "C"
## [14095] "G" "T" "A" "T" "A" "C" "G" "C" "A" "A" "C" "T" "T" "A" "G" "G" "T"
## [14113] "G" "A" "A" "C" "G" "T" "G" "T" "A" "C" "G" "C" "C" "A" "A" "G" " " "C"
## [14131] "T" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "A" "G" "T" "A" "C" "A"
## [14149] "A" "T" "T" "C" "T" "G" "T" "G" "A" "T" "G" "C" "C" "A" "T" "G" "C" "G"
  [14167] "A" "A" "A" "T" "G" "C" "T" "G" "G" "T" "A" "T" "T" "G" "T" "G" "G"
  [14185] "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "T" "A" "G" "A" " "T" "A"
  [14203] "A" "T" "C" "A" "A" "G" "A" "T" "C" "T" "C" "A" "A" "T" "G" "G" "T" "A"
## [14221] "A" "C" "T" "G" "G" "T" "A" "T" "G" "A" "T" "T" "T" "C" "G" "G" "T" "G"
## [14239] "A" "T" "T" "T" "C" "A" "T" "A" "C" "A" "A" "A" "C" "C" "A" "C" "G" "C"
## [14257] "C" "A" "G" "G" "T" "A" "G" "T" "G" "G" "A" "G" "T" "T" " " "C" "C" "T"
## [14275] "G" "T" "T" "G" "T" "A" "G" "A" "T" "T" "C" "T" "T" "A" "T" "T" "A" "T"
## [14293] "T" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "G" "C" "C" "T" "A" "T" "A"
## [14311] "T" "T" "A" "A" "C" "C" "T" "T" "G" "A" "C" "C" "A" "G" "G" "G" "C" "T"
## [14329] "T" "T" "A" "A" "C" "T" "G" "C" "A" "G" "A" "G" "T" " " "C" "A" "C" "A"
## [14347] "T" "G" "T" "T" "G" "A" "C" "A" "C" "T" "G" "A" "C" "T" "T" "A" "A" "C"
## [14365] "A" "A" "A" "G" "C" "C" "T" "T" "A" "C" "A" "T" "T" "A" "A" "G" "T" "G"
## [14383] "G" "G" "A" "T" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "A" "T" "G" "A"
## [14419] "T" "A" "A" "A" "A" "C" "T" "C" "T" "T" "T" "G" "A" "C" "C" "C" "G" "T" "T"
## [14437] "A" "T" "T" "T" "T" "A" "A" "A" "A" "T" "A" "T" "G" "G" "G" "A" "T" "C"
## [14473] "G" "T" "G" "T" "T" "A" "A" "C" "T" "G" "T" " " "T" "T" "G" "G" "A" "T"
## [14491] "G" "A" "C" "A" "G" "A" "T" "G" "C" "A" "T" "T" "C" "T" "G" "C" "A" "T"
## [14509] "T" "G" "T" "G" "C" "A" "A" "A" "C" "T" "T" "T" "A" "A" "T" "G" "T" "T"
## [14527] "T" "T" "A" "T" "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "T" "T" "C"
## [14545] "C" "C" "A" "C" "T" "T" "A" "C" "A" "A" " " "G" "T" "T" "T" "T" "G" "G"
## [14581] "A" "T" "T" "T" "G" "T" "T" "G" "A" "T" "G" "G" "T" "G" "T" "T" "C" "C"
## [14599] "A" "T" "T" "T" "G" "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "G" "G"
## [14617] "A" "T" "A" "C" "C" "A" "C" "T" "T" " " "C" "A" "G" "A" "G" "A" "G" "A" "G" "A" "G" "A" "G" "C"
## [14635] "T" "A" "G" "G" "T" "G" "T" "G" "T" "A" "C" "A" "T" "A" "A" "T" "C"
## [14653] "A" "G" "G" "A" "T" "G" "T" "A" "A" "C" "T" "T" "A" "C" "A" "T" "A"
## [14671] "G" "C" "T" "C" "T" "A" "G" "A" "C" "T" "T" "A" "G" "T" "T" "T" "T" "A"
## [14689] "A" "G" "G" "A" "A" "T" "T" "A" " " "C" "T" "T" "G" "T" "G" "T" "A" "T"
  [14707] "G" "C" "T" "G" "C" "T" "G" "A" "C" "C" "C" "T" "G" "C" "T" "A" "T" "G"
## [14725] "C" "A" "C" "G" "C" "T" "G" "C" "T" "C" "T" "G" "G" "T" "A" "A" "T"
  [14743] "C" "T" "A" "T" "T" "A" "C" "T" "A" "G" "A" "T" "A" "A" "A" "A" "C" "G" "C"
## [14761] "A" "C" "T" "A" "C" "G" "T" " "G" "C" "T" "T" "T" "T" "T" "C" "A" "G" "T"
## [14779] "A" "G" "C" "T" "G" "C" "A" "C" "T" "A" "C" "T" "A" "A" "A" "C" "A" "A"
## [14797] "T" "G" "T" "T" "G" "C" "T" "T" "T" "T" "C" "A" "A" "A" "C" "T" "G" "T"
## [14815] "C" "A" "A" "A" "C" "C" "T" "G" "G" "T" "A" "A" "T" "T" "T" "T" "A" "A"
## [14833] "C" "A" "A" "A" "G" "A" " "C" "T" "T" "C" "T" "A" "T" "G" "A" "C" "T"
```

```
## [14851] "T" "T" "G" "C" "T" "G" "T" "G" "T" "C" "T" "A" "A" "G" "G" "G" "T" "T"
  ## [14887] "C" "T" "G" "T" "T" "G" "A" "A" "T" "T" "A" "A" "A" "A" "A" "C" "A" "C" "T"
## [14905] "T" "C" "T" "T" "C" " " "T" "T" "T" "G" "C" "T" "C" "A" "G" "G" "A" "T"
## [14923] "G" "G" "T" "A" "A" "T" "G" "C" "T" "G" "C" "T" "A" "T" "C" "A" "G" "C"
## [14941] "G" "A" "T" "T" "A" "T" "G" "A" "C" "T" "A" "C" "T" "A" "T" "C" "G" "T"
## [14959] "T" "A" "T" "A" "A" "T" "C" "T" "A" "C" "C" "A" "A" "C" "A" "A" "T" "G"
## [14977] "T" "G" "T" "G" " " "A" "T" "A" "T" "C" "A" "G" "A" "C" "A" "A" "C" "T"
  [14995] "A" "C" "T" "A" "T" "T" "T" "G" "T" "A" "G" "T" "T" "G" "A" "A" "G" "T"
  [15013] "T" "G" "T" "T" "G" "A" "T" "A" "G" "T" "A" "C" "T" "T" "T" "T" "G" "A"
  [15031] "T" "T" "G" "T" "T" "A" "C" "G" "A" "T" "G" "G" "T" "G" "G" "C" "T" "G"
## [15049] "T" "A" "T" " "T" "A" "A" "T" "G" "C" "T" "A" "A" "C" "C" "A" "A" "G"
  [15067] "T" "C" "A" "T" "C" "G" "T" "C" "A" "A" "C" "A" "A" "C" "A" "G"
## [15085] "A" "C" "A" "A" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "T" "T" "T" "T" "C"
## [15103] "C" "A" "T" "T" "T" "A" "A" "A" "A" "A" "T" "G" "G" "G" "G" "T" "A"
## [15121] "A" "G" " " "G" "C" "T" "A" "G" "A" "C" "T" "T" "T" "A" "T" "T" "A" "T"
  [15139] "G" "A" "T" "T" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "T" "G" "A" "G"
  [15157] "G" "A" "T" "C" "A" "A" "G" "A" "T" "G" "C" "A" "C" "T" "T" "T" "T" "C"
  [15175] "G" "C" "A" "T" "A" "T" "A" "C" "A" "A" "A" "A" "A" "C" "G" "T" "A" "A" "T"
## [15193] "G" " " "T" "C" "A" "T" "C" "C" "C" "T" "A" "C" "T" "A" "T" "A" "T" "A" "A" "C"
## [15211] "T" "C" "A" "A" "A" "T" "G" "A" "A" "T" "C" "T" "T" "A" "A" "A" "G" "T" "A"
## [15247] "C" "A" "G" "A" "G" "C" "T" "C" "G" "C" "A" "C" "C" "G" "T" "A" "G" "C"
## [15265] " " "T" "G" "G" "T" "G" "T" "C" "T" "C" "T" "A" "T" "C" "T" "G" "T" "A"
## [15283] "G" "T" "A" "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "T" "A" "G" "A" "C"
  [15301] "A" "G" "T" "T" "T" "C" "A" "T" "C" "A" "A" "A" "A" "A" "A" "T" "T" "T" "A" "T"
[15337] "A" "C" "T" "A" "G" "A" "G" "A" "G" "C" "T" "A" "C" "T" "A" "C" "T" "A"
## [15355] "G" "T" "A" "A" "T" "T" "G" "G" "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A"
## [15391] "A" "A" "C" "A" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "T" "G" " " "T"
  ## [15427] "C" "C" "C" "T" "C" "A" "T" "C" "T" "T" "A" "T" "G" "G" "G" "T" "T" "G"
## [15445] "G" "G" "A" "T" "T" "A" "T" "C" "C" "T" "A" "A" "A" "T" "G" "T" "G" "A"
## [15463] "T" "A" "G" "A" "G" "C" "C" "A" "T" "G" "C" "C" "T" "A" "A" " " "C" "A"
## [15481] "T" "G" "C" "T" "T" "A" "G" "A" "A" "T" "T" "A" "T" "G" "G" "C" "C" "T"
## [15499] "C" "A" "C" "T" "T" "G" "T" "T" "C" "T" "T" "G" "C" "T" "C" "G" "C" "A"
## [15517] "A" "A" "C" "A" "T" "A" "C" "A" "A" "C" "G" "T" "G" "T" "G" "T" "A"
## [15535] "G" "C" "T" "T" "G" "T" "C" "A" "C" "A" "C" "C" "G" "T" " " "T" "T" "C"
## [15553] "T" "A" "T" "A" "G" "A" "T" "T" "A" "G" "C" "T" "A" "A" "T" "G" "A" "G"
## [15571] "T" "G" "T" "G" "C" "T" "C" "A" "A" "G" "T" "A" "T" "T" "G" "A" "G" "T"
## [15589] "G" "A" "A" "A" "T" "G" "G" "T" "C" "A" "T" "G" "T" "G" "T" "G" "T" "G" "C"
## [15607] "G" "G" "T" "T" "C" "A" "C" "T" "A" "T" "A" "T" "G" " " "T" "T" "A" "A"
## [15625] "A" "C" "C" "A" "G" "G" "T" "G" "G" "A" "A" "C" "C" "T" "C" "A" "T" "C"
## [15643] "A" "G" "G" "A" "G" "A" "T" "G" "C" "C" "A" "C" "A" "A" "C" "T" "G" "C"
## [15661] "T" "T" "A" "T" "G" "C" "T" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T" "T"
  [15679] "T" "A" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" " " "A" "G" "C" "T" "G"
  [15697] "T" "C" "A" "C" "G" "G" "C" "C" "A" "A" "T" "G" "T" "T" "A" "A" "T" "G"
  [15715] "C" "A" "C" "T" "T" "T" "T" "A" "T" "C" "T" "A" "C" "T" "G" "A" "T" "G"
  [15733] "G" "T" "A" "A" "C" "A" "A" "A" "A" "T" "T" "G" "C" "C" "G" "A" "T" "A"
  [15751] "A" "G" "T" "A" "T" "G" "T" "C" "C" "G" "C" " " "A" "A" "T" "T" "T" "A"
## [15769] "C" "A" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T" "T" "A" "T" "G" "A" "G"
## [15787] "T" "G" "T" "C" "T" "C" "T" "A" "T" "A" "G" "A" "A" "A" "A" "T" "A" "G" "A"
## [15805] "G" "A" "T" "G" "T" "T" "G" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T" "T"
```

```
## [15823] "G" "T" "G" "A" "A" "T" "G" "A" "G" "T" " " "T" "T" "T" "A" "C" "G" "C"
  [15841] "A" "T" "A" "T" "T" "T" "G" "C" "G" "T" "A" "A" "A" "C" "A" "T" "T" "T"
## [15859] "C" "T" "C" "A" "A" "T" "G" "A" "T" "G" "A" "T" "A" "C" "T" "C" "T" "C"
## [15877] "T" "G" "A" "C" "G" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "G" "T" "G"
## [15895] "T" "T" "T" "C" "A" "A" "T" "A" "G" " " "C" "A" "C" "T" "T" "A" "T" "G"
## [15913] "C" "A" "T" "C" "T" "C" "A" "A" "G" "G" "T" "C" "T" "A" "G" "T" "G" "G"
## [15931] "C" "T" "A" "G" "C" "A" "T" "A" "A" "G" "A" "A" "C" "T" "T" "T" "A"
## [15949] "A" "G" "T" "C" "A" "G" "T" "T" "C" "T" "T" "A" "T" "T" "A" "T" "C"
  [15967] "A" "A" "A" "A" "C" "A" "A" "T" " " "G" "T" "T" "T" "T" "T" "A" "T" "G"
  [15985] "T" "C" "T" "G" "A" "A" "G" "C" "A" "A" "A" "A" "T" "G" "T" "T" "G" "G"
  [16003] "A" "C" "T" "G" "A" "G" "A" "C" "T" "G" "A" "C" "C" "T" "T" "A" "C" "T"
## [16021] "A" "A" "A" "G" "G" "A" "C" "C" "T" "C" "A" "T" "G" "A" "A" "T" "T" "T"
  [16039] "T" "G" "C" "T" "C" "T" "C" " " "A" "A" "C" "A" "T" "A" "C" "A" "A" "T"
## [16057] "G" "C" "T" "A" "G" "T" "T" "A" "A" "A" "C" "A" "G" "G" "G" "T" "G" "A"
## [16075] "T" "G" "A" "T" "T" "A" "T" "G" "T" "G" "T" "A" "C" "C" "T" "T" "C" "C"
## [16093] "T" "T" "A" "C" "C" "C" "A" "G" "A" "T" "C" "C" "A" "T" "C" "A" "A" "G"
   [16111] "A" "A" "T" "C" "C" "T" " "A" "G" "G" "G" "G" "C" "C" "G" "G" "C" "T"
  [16129] "G" "T" "T" "T" "T" "G" "T" "A" "G" "A" "T" "G" "A" "T" "A" "T" "C" "G"
  [16147] "T" "A" "A" "A" "A" "A" "A" "C" "A" "G" "A" "T" "G" "G" "T" "A" "C" "A" "C"
## [16165] "T" "T" "A" "T" "G" "A" "T" "T" "G" "A" "A" "C" "G" "G" "T" "T" "C" "G"
## [16183] "T" "G" "T" "C" "T" " " "T" "T" "A" "G" "C" "T" "A" "T" "A" "G" "C"
## [16201] "G" "C" "T" "T" "A" "C" "C" "C" "A" "C" "T" "T" "A" "C" "T" "A" "A" "A" "A"
## [16219] "C" "A" "T" "C" "C" "T" "A" "A" "T" "C" "A" "G" "G" "A" "G" "T" "A" "T"
## [16237] "G" "C" "T" "G" "A" "T" "G" "T" "C" "T" "T" "T" "C" "A" "T" "T" "T" "T" "G"
## [16255] "T" "A" "C" "T" " " "T" "A" "C" "A" "A" "T" "A" "C" "A" "T" "A" "A" "G"
  [16273] "A" "A" "A" "G" "C" "T" "A" "C" "A" "T" "G" "A" "T" "G" "A" "G" "A" "G" "T" "T"
## [16291] "A" "A" "C" "A" "G" "G" "A" "C" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A"
  [16309] "C" "A" "T" "G" "T" "A" "T" "T" "C" "T" "G" "T" "T" "A" "T" "G" "C" "T"
## [16327] "T" "A" "C" " " "T" "A" "A" "T" "G" "A" "T" "A" "A" "C" "A" "C" "C" "T"
## [16345] "C" "A" "A" "G" "G" "T" "A" "T" "T" "G" "G" "G" "A" "A" "C" "C" "T" "G"
## [16363] "A" "G" "T" "T" "T" "T" "A" "T" "G" "A" "G" "G" "C" "T" "A" "T" "G" "T"
  [16381] "A" "C" "A" "C" "A" "C" "C" "G" "C" "A" "T" "A" "C" "A" "G" "T"
  [16399] "T" "A" " " "C" "A" "G" "G" "C" "T" "G" "T" "T" "G" "G" "G" "G" "G" "C" "T"
## [16417] "T" "G" "T" "G" "T" "T" "C" "T" "T" "G" "C" "A" "A" "T" "T" "C" "A"
## [16435] "C" "A" "G" "A" "C" "T" "T" "C" "A" "T" "T" "A" "A" "G" "A" "T" "G" "T"
## [16453] "G" "G" "T" "G" "C" "T" "T" "G" "C" "A" "T" "A" "C" "G" "T" "A" "G" "A"
## [16471] "C" " " "C" "A" "T" "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "T" "A" "A"
## [16489] "A" "T" "G" "C" "T" "G" "T" "T" "A" "C" "G" "A" "C" "C" "A" "T" "G" "T"
## [16525] "A" "T" "T" "A" "G" "T" "C" "T" "T" "G" "T" "C" "T" "G" "T" "G" "T" "T" "A" "A"
## [16543] " " "T" "C" "C" "G" "T" "A" "T" "G" "T" "T" "G" "C" "A" "A" "T" "G"
## [16561] "C" "T" "C" "C" "A" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "T" "C" "A"
## [16579] "C" "A" "G" "A" "T" "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T" "T"
## [16597] "A" "C" "T" "T" "A" "G" "G" "A" "G" "G" "T" "A" "T" "G" "A" "G" "C" " "
## [16615] "T" "A" "T" "T" "A" "T" "T" "G" "T" "A" "A" "A" "T" "C" "A" "C" "A" "T"
## [16633] "A" "A" "A" "C" "C" "A" "C" "C" "A" "T" "T" "A" "G" "T" "T" "T" "T"
   [16651] "C" "C" "A" "T" "T" "G" "T" "G" "T" "G" "C" "T" "A" "A" "T" "G" "G" "A"
  [16687] "T" "A" "A" "A" "A" "A" "T" "A" "C" "A" "T" "G" "T" "G" "T" "G" "T" "G" "G"
## [16705] "T" "A" "G" "C" "G" "A" "T" "A" "A" "T" "G" "T" "T" "A" "C" "T" "G" "A"
  [16723] "C" "T" "T" "T" "A" "A" "T" "G" "C" "A" "A" "T" "T" "G" "C" "A" "A" "C"
## [16741] "A" "T" "G" "T" "G" "A" "C" "T" "G" "G" "A" "C" "A" "A" "A" "A" " "T" "G"
## [16759] "C" "T" "G" "G" "T" "G" "A" "T" "T" "A" "C" "A" "T" "T" "T" "T" "A" "G"
## [16777] "C" "T" "A" "A" "C" "A" "C" "C" "T" "G" "T" "A" "C" "T" "G" "A" "A" "A" "A"
```

```
## [16795] "G" "A" "C" "T" "C" "A" "A" "G" "C" "T" "T" "T" "T" "T" "G" "C" "A" "G"
   [16813] "C" "A" "G" "A" "A" "A" "C" "G" "C" "T" "C" "A" "A" "A" "A" " "G" "C" "T"
  [16831] "A" "C" "T" "G" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "T" "A" "A" "A"
## [16849] "C" "T" "G" "T" "C" "T" "A" "T" "G" "G" "T" "A" "T" "A" "T" "G" "C" "T"
## [16867] "A" "C" "T" "G" "T" "A" "C" "G" "T" "G" "A" "A" "G" "T" "G" "C" "T" "G"
## [16885] "T" "C" "T" "G" "A" "C" "A" "G" "A" "G" "A" "A" "T" " " "T" "A" "C" "A"
## [16903] "T" "C" "T" "T" "T" "C" "A" "T" "G" "G" "G" "A" "A" "A" "G" "T" "T" "G" "G"
## [16921] "T" "A" "A" "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "C" "C" "A" "C" "T"
   [16939] "T" "A" "A" "C" "C" "G" "A" "A" "A" "T" "T" "A" "T" "G" "T" "C" "T" "T"
  [16957] "T" "A" "C" "T" "G" "G" "T" "T" "A" "T" "C" "G" " " "T" "G" "T" "A" "A"
  [16975] "C" "T" "A" "A" "A" "A" "A" "A" "C" "A" "G" "T" "A" "A" "A" "A" "G" "T" "A" "C"
## [16993] "A" "A" "A" "T" "A" "G" "G" "A" "G" "A" "G" "T" "A" "C" "A" "C" "C" "T"
## [17011] "T" "T" "G" "A" "A" "A" "A" "G" "G" "G" "T" "G" "A" "C" "T" "A" "T" "G"
## [17029] "G" "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" " " "G" "T" "T" "T" "A" "C"
## [17047] "C" "G" "A" "G" "G" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "T" "A" "C"
## [17065] "A" "A" "A" "T" "T" "A" "A" "A" "T" "G" "T" "T" "G" "G" "T" "G" "A" "T"
  [17083] "T" "A" "T" "T" "T" "T" "G" "T" "G" "C" "T" "G" "A" "C" "A" "T" "C" "A"
## [17101] "C" "A" "T" "A" "C" "A" "G" "T" "A" "A" " " "T" "G" "C" "C" "A" "T" "T"
## [17119] "A" "A" "G" "T" "G" "C" "A" "C" "C" "T" "A" "C" "A" "C" "T" "A" "G" "T"
## [17137] "G" "C" "C" "A" "C" "A" "G" "A" "G" "C" "A" "C" "T" "A" "T" "G" "T"
## [17155] "T" "A" "G" "A" "A" "T" "T" "A" "C" "T" "G" "G" "C" "T" "T" "A" "T" "A" "T" "A"
## [17173] "C" "C" "C" "A" "A" "C" "A" "C" "T" " "C" "A" "A" "T" "A" "T" "C" "T"
## [17191] "C" "A" "G" "A" "T" "G" "A" "G" "T" "T" "T" "T" "C" "T" "A" "G" "C" "A"
## [17209] "A" "T" "G" "T" "T" "G" "C" "A" "A" "A" "T" "T" "A" "T" "C" "A" "A" "A" "A"
## [17227] "A" "G" "G" "T" "T" "G" "G" "T" "A" "T" "G" "C" "A" "A" "A" "A" "A" "G" "T"
## [17245] "A" "T" "T" "C" "T" "A" "C" "A" " "C" "T" "C" "C" "A" "G" "G" "G" "A"
## [17263] "C" "C" "A" "C" "C" "T" "G" "G" "T" "A" "C" "T" "G" "G" "T" "A" "G"
## [17281] "A" "G" "T" "C" "A" "T" "T" "T" "T" "G" "C" "T" "A" "T" "T" "G" "G" "C"
## [17299] "C" "T" "A" "G" "C" "T" "C" "T" "C" "T" "A" "C" "T" "A" "C" "C" "C" "C" "T"
## [17317] "T" "C" "T" "G" "C" "T" "C" " " "G" "C" "A" "T" "A" "G" "T" "G" "T" "A"
## [17335] "T" "A" "C" "A" "G" "C" "T" "T" "G" "C" "T" "C" "T" "C" "A" "T" "G" "C"
  [17353] "C" "G" "C" "T" "G" "T" "T" "G" "A" "T" "G" "C" "A" "C" "T" "A" "T" "G"
## [17371] "T" "G" "A" "G" "A" "A" "G" "G" "C" "A" "T" "T" "A" "A" "A" "A" "T" "A"
## [17389] "T" "T" "G" "C" "C" " " "T" "A" "T" "A" "G" "A" "T" "A" "A" "A" "A" "T"
## [17407] "G" "T" "A" "G" "T" "A" "G" "A" "A" "T" "T" "A" "T" "A" "C" "C" "T" "G"
## [17425] "C" "A" "C" "G" "T" "G" "C" "T" "C" "G" "T" "G" "T" "A" "G" "A" "G" "T"
## [17443] "G" "T" "T" "T" "T" "G" "A" "T" "A" "A" "A" "T" "T" "C" "A" "A" "A" "A" "G"
## [17461] "T" "G" "A" "A" "T" " " "T" "C" "A" "A" "C" "A" "T" "T" "A" "G" "A" "A"
## [17479] "C" "A" "G" "T" "A" "T" "G" "T" "C" "T" "T" "T" "T" "G" "T" "A" "C" "T"
## [17497] "G" "T" "A" "A" "A" "T" "G" "C" "A" "T" "T" "G" "C" "C" "T" "G" "A" "G"
## [17515] "A" "C" "G" "A" "C" "A" "G" "C" "A" "G" "A" "T" "A" "T" "A" "G" "T" "T"
## [17533] "G" "T" "C" "T" " "T" "T" "G" "A" "T" "G" "A" "A" "A" "A" "T" "T" "T" "C"
## [17551] "A" "A" "T" "G" "G" "C" "C" "A" "C" "A" "A" "A" "T" "T" "A" "T" "G" "A"
## [17569] "T" "T" "G" "A" "G" "T" "G" "T" "G" "T" "C" "A" "A" "T" "G" "C"
## [17587] "C" "A" "G" "A" "T" "T" "A" "C" "G" "T" "G" "C" "T" "A" "A" "G" "C" "A"
## [17605] "C" "T" "A" " "T" "G" "T" "G" "T" "A" "C" "A" "T" "T" "G" "G" "C" "G"
   [17623] "A" "C" "C" "C" "T" "G" "C" "T" "C" "A" "A" "T" "T" "A" "C" "C" "T" "G"
## [17641] "C" "A" "C" "C" "A" "C" "G" "C" "A" "T" "T" "G" "C" "T" "A" "A"
  [17659] "C" "T" "A" "A" "G" "G" "G" "C" "A" "C" "A" "C" "T" "A" "G" "A" "A" "C"
## [17677] "C" "A" " "G" "A" "A" "T" "A" "T" "T" "T" "C" "A" "A" "T" "T" "C" "A"
## [17695] "G" "T" "G" "T" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A"
## [17713] "A" "C" "T" "A" "T" "A" "G" "G" "T" "C" "C" "A" "G" "A" "C" "A" "T" "G"
## [17731] "T" "T" "C" "C" "T" "C" "G" "G" "A" "A" "C" "T" "T" "G" "T" "C" "G" "G"
## [17749] "C" " " "G" "T" "T" "G" "T" "C" "C" "T" "G" "C" "T" "G" "A" "A" "A" "A" "T"
```

```
## [17767] "T" "G" "T" "T" "G" "A" "C" "A" "C" "T" "G" "T" "G" "A" "G" "T" "G" "C"
  ## [17803] "G" "C" "T" "T" "A" "A" "A" "G" "C" "A" "C" "A" "T" "A" "A" "A" "A" "G" "A"
## [17821] " " "C" "A" "A" "A" "T" "C" "A" "G" "C" "T" "C" "A" "A" "A" "T" "G" "C" "T"
## [17839] "T" "T" "A" "A" "A" "A" "T" "G" "T" "T" "T" "T" "A" "T" "A" "A" "G" "G"
## [17857] "G" "T" "G" "T" "T" "A" "T" "C" "A" "C" "G" "C" "A" "T" "G" "A" "T" "G"
## [17875] "T" "T" "T" "C" "A" "T" "C" "T" "G" "C" "A" "A" "T" "T" "A" "A" "C" " "
## [17893] "A" "G" "G" "C" "C" "A" "C" "A" "A" "A" "T" "A" "G" "G" "C" "G" "T" "G"
  [17911] "G" "T" "A" "A" "G" "A" "G" "A" "T" "T" "C" "C" "C" "T" "T" "A" "C" "A"
## [17929] "C" "G" "T" "A" "A" "C" "C" "C" "T" "G" "C" "T" "T" "G" "G" "A" "G" "A"
  [17947] "A" "A" "A" "G" "C" "T" "G" "T" "C" "T" "T" "T" "A" "T" "T" "T" "T" " "C"
## [17965] "A" "C" "C" "T" "T" "A" "T" "A" "T" "T" "C" "A" "C" "A" "G" "A" "A" "A"
## [17983] "T" "G" "C" "T" "G" "T" "A" "G" "C" "C" "T" "C" "A" "A" "A" "G" "A" "T"
## [18001] "T" "T" "T" "G" "G" "G" "A" "C" "T" "A" "C" "C" "A" "A" "C" "T" "C" "A"
## [18019] "A" "A" "C" "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "T" "C" " " "A" "C"
## [18037] "A" "G" "G" "G" "C" "T" "C" "A" "G" "A" "A" "T" "A" "T" "G" "A" "C" "T"
  [18073] "C" "C" "A" "C" "T" "G" "A" "A" "A" "C" "A" "G" "C" "T" "C" "A" "C" "T"
  [18091] "C" "T" "T" "G" "T" "A" "A" "T" "G" "T" "A" "A" "A" "A" "C" " " "A" "G" "A"
## [18109] "T" "T" "A" "A" "T" "G" "T" "T" "G" "C" "T" "A" "T" "T" "A" "C" "C"
## [18127] "A" "G" "A" "G" "C" "A" "A" "A" "A" "G" "T" "A" "G" "G" "C" "A" "T" "A"
## [18145] "C" "T" "T" "T" "G" "C" "A" "T" "A" "A" "T" "G" "T" "C" "T" "G" "A" "T"
## [18163] "A" "G" "A" "G" "A" "C" "C" "T" "T" "T" "A" "T" "G" " " "A" "C" "A" "A"
## [18181] "G" "T" "T" "G" "C" "A" "A" "T" "T" "T" "A" "C" "A" "A" "G" "T" "C" "T"
## [18199] "T" "G" "A" "A" "A" "T" "T" "C" "C" "A" "C" "G" "T" "A" "G" "G" "A" "A"
  [18217] "T" "G" "T" "G" "G" "C" "A" "A" "C" "T" "T" "T" "A" "C" "A" "A" "G" "C"
## [18235] "T" "G" "A" "A" "A" "A" "T" "G" "T" "A" "A" "C" " " "A" "G" "G" "A" "C"
  [18253] "T" "C" "T" "T" "T" "A" "A" "A" "G" "A" "T" "T" "G" "T" "A" "G" "T" "A"
## [18271] "A" "G" "G" "T" "A" "A" "T" "C" "A" "C" "T" "G" "G" "G" "T" "T" "A" "C"
## [18289] "A" "T" "C" "C" "T" "A" "C" "A" "G" "G" "G" "C" "A" "C" "C" "T" "A"
## [18307] "C" "A" "C" "A" "C" "C" "T" "C" "A" "G" "T" " "G" "T" "T" "G" "A" "C"
  ## [18343] "G" "G" "T" "T" "T" "A" "T" "G" "T" "G" "T" "G" "A" "C" "A" "T" "A"
## [18361] "C" "C" "T" "G" "G" "C" "A" "T" "A" "C" "C" "T" "A" "A" "G" "G" "A" "C"
## [18379] "A" "T" "G" "A" "C" "C" "T" "A" "T" "A" " " "G" "A" "A" "G" "A" "C" "T"
## [18397] "C" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A" "T" "G" "G" "G" "T" "T" "T"
## [18415] "T" "A" "A" "A" "A" "T" "G" "A" "A" "T" "T" "A" "T" "C" "A" "A" "G" "T"
## [18433] "T" "A" "A" "T" "G" "G" "T" "T" "A" "C" "C" "C" "T" "A" "A" "A" "C" "A" "T"
## [18451] "G" "T" "T" "T" "A" "T" "C" "A" "C" " " "C" "C" "G" "C" "G" "A" "A" "G"
## [18469] "A" "A" "G" "C" "T" "A" "T" "A" "A" "G" "A" "C" "A" "T" "G" "T" "A" "C"
## [18487] "G" "T" "G" "C" "A" "T" "G" "G" "A" "T" "T" "G" "G" "C" "T" "T" "C" "G"
## [18505] "A" "T" "G" "T" "C" "G" "A" "G" "G" "G" "G" "T" "G" "T" "C" "A" "T" "G"
## [18523] "C" "T" "A" "C" "T" "A" "G" "A" " "G" "A" "A" "G" "C" "T" "G" "T" "T"
## [18541] "G" "G" "T" "A" "C" "C" "A" "A" "T" "T" "A" "C" "C" "T" "T" "T" "A"
## [18559] "C" "A" "G" "C" "T" "A" "G" "G" "T" "T" "T" "T" "T" "T" "C" "T" "A" "C" "A"
## [18577] "G" "G" "T" "G" "T" "T" "A" "A" "C" "C" "T" "A" "G" "T" "T" "G" "C" "T"
  [18595] "G" "T" "A" "C" "C" "T" "A" " " "C" "A" "G" "G" "T" "T" "A" "T" "G" "T"
  [18613] "T" "G" "A" "T" "A" "C" "A" "C" "T" "A" "A" "A" "T" "A" "A" "T" "A" "C"
  [18631] "A" "G" "A" "T" "T" "T" "T" "T" "C" "C" "A" "G" "A" "G" "T" "T" "T" "A" "G"
## [18649] "T" "G" "C" "T" "A" "A" "A" "C" "C" "A" "C" "C" "G" "C" "C" "T" "G" "G"
## [18685] "T" "C" "A" "T" "A" "C" "C" "A" "C" "T" "T" "A" "T" "G" "T" "A" "C" "A"
## [18703] "A" "A" "G" "G" "A" "C" "T" "T" "C" "C" "T" "T" "G" "G" "A" "A" "T" "G"
## [18721] "T" "A" "G" "T" "G" "C" "G" "T" "A" "T" "A" "A" "A" "G" "A" "T" "T" "G"
```

```
## [18739] "T" "A" "C" "A" "A" " " "A" "T" "G" "T" "T" "A" "A" "G" "T" "G" "A" "C"
   [18757] "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "A" "T" "C" "T" "C" "T" "C" "T"
  [18775] "G" "A" "C" "A" "G" "A" "G" "T" "C" "G" "T" "A" "T" "T" "T" "T" "G" "T" "C"
## [18793] "T" "T" "A" "T" "G" "G" "G" "C" "A" "C" "A" "T" "G" "G" "C" "T" "T" "T"
## [18811] "G" "A" "G" "T" " " "T" "G" "A" "C" "A" "T" "C" "T" "A" "T" "G" "A" "A"
## [18829] "G" "T" "A" "T" "T" "T" "T" "G" "T" "G" "A" "A" "A" "A" "A" "T" "A" "G" "G"
## [18847] "A" "C" "C" "T" "G" "A" "G" "C" "G" "C" "A" "C" "C" "T" "G" "T" "T" "G"
## [18865] "T" "C" "T" "A" "T" "G" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "G" "C"
  [18883] "C" "A" "C" " " "A" "T" "G" "C" "T" "T" "T" "T" "T" "C" "C" "A" "C" "T" "G"
  [18901] "C" "T" "T" "C" "A" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "C" "C" "T"
  [18919] "G" "T" "T" "G" "G" "C" "A" "T" "C" "A" "T" "T" "C" "T" "A" "T" "T" "G"
## [18937] "G" "A" "T" "T" "T" "G" "A" "T" "T" "A" "C" "G" "T" "C" "T" "A" "T" "A"
## [18955] "A" "T" " " "C" "C" "G" "T" "T" "A" "T" "G" "A" "T" "T" "G" "A" "T"
## [18991] "A" "C" "A" "G" "G" "T" "A" "A" "C" "C" "T" "A" "C" "A" "A" "A" "A" "G" "C"
## [19009] "A" "A" "C" "C" "A" "T" "G" "A" "T" "C" "T" "G" "T" "A" "T" "T" "G" "T"
  [19027] "C" " "A" "A" "G" "T" "C" "C" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C"
  [19045] "A" "C" "A" "T" "G" "T" "A" "G" "C" "T" "A" "G" "T" "T" "G" "T" "G" "A"
  [19063] "T" "G" "C" "A" "A" "T" "C" "A" "T" "G" "A" "C" "T" "A" "G" "G" "T" "G"
## [19081] "T" "C" "T" "A" "G" "C" "T" "G" "T" "C" "C" "A" "C" "G" "A" "G" "T" "G"
## [19099] " " "C" "T" "T" "T" "G" "T" "T" "A" "A" "G" "C" "G" "T" "T" "G" "T" "T" "G"
## [19117] "A" "C" "T" "G" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "T" "A" "T" "C"
## [19135] "C" "T" "A" "T" "A" "A" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "A" "C"
## [19153] "T" "G" "A" "A" "G" "A" "T" "T" "A" "A" "T" "G" "C" "G" "G" "C" "T" " "
## [19171] "T" "G" "T" "A" "G" "A" "A" "G" "G" "T" "T" "C" "A" "A" "C" "A" "C"
  [19189] "A" "T" "G" "G" "T" "T" "G" "T" "T" "A" "A" "A" "G" "C" "T" "G" "C" "A"
## [19207] "T" "T" "A" "T" "T" "A" "G" "C" "A" "G" "C" "A" "A" "A" "A" "T" "T" "C"
## [19225] "C" "C" "A" "G" "T" "T" "C" "T" "T" "C" "A" "C" "G" "A" "C" "A" "C" "A" "T"
## [19243] "T" "G" "G" "T" "A" "A" "C" "C" "C" "T" "A" "A" "A" "G" "C" "T" "A" "T"
## [19261] "T" "A" "A" "G" "T" "G" "T" "G" "T" "A" "C" "C" "T" "C" "A" "A" "G" "C"
## [19279] "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "G" "A" "A" "G" "T" "T"
  [19297] "C" "T" "A" "T" "G" "A" "T" "G" "C" "A" "C" "A" "C" "A" "G" "C" " "T" "T"
## [19315] "G" "T" "A" "G" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "A" "T" "A"
## [19333] "A" "A" "A" "T" "A" "G" "A" "A" "G" "A" "A" "T" "T" "A" "T" "T" "C" "T"
## [19351] "A" "T" "T" "C" "T" "T" "A" "T" "G" "C" "C" "A" "C" "A" "C" "A" "T" "T"
## [19369] "C" "T" "G" "A" "C" "A" "A" "A" "T" "T" "C" "A" "C" "A" " " "G" "A" "T"
## [19387] "G" "G" "T" "G" "T" "A" "T" "G" "C" "C" "T" "A" "T" "T" "T" "T" "T" "G" "G"
## [19405] "A" "A" "T" "T" "G" "C" "A" "A" "T" "G" "T" "C" "G" "A" "T" "A" "T" "A" "G" "A"
## [19423] "T" "A" "T" "C" "C" "T" "G" "C" "T" "A" "A" "T" "T" "C" "C" "A" "T" "T"
## [19441] "G" "T" "T" "T" "G" "T" "A" "G" "A" "T" "T" "T" "G" " " "A" "C" "A" "C"
## [19459] "T" "A" "G" "A" "G" "T" "G" "C" "T" "A" "T" "C" "T" "A" "A" "C" "C" "T"
## [19477] "T" "A" "A" "C" "T" "T" "G" "C" "T" "G" "G" "T" "G" "T" "G" "T" "G" "T" "G" "A"
## [19495] "T" "G" "G" "T" "G" "G" "C" "A" "G" "T" "T" "T" "G" "T" "A" "T" "G" "T"
## [19513] "A" "A" "A" "T" "A" "A" "A" "C" "A" "T" "G" "C" " " "A" "T" "T" "C" "C"
## [19531] "A" "C" "A" "C" "A" "C" "C" "A" "G" "C" "T" "T" "T" "T" "T" "G" "A" "T" "A"
## [19549] "A" "A" "A" "G" "T" "G" "C" "T" "T" "T" "T" "G" "T" "T" "A" "A" "T" "T"
   [19567] "T" "A" "A" "A" "A" "C" "A" "A" "T" "T" "A" "C" "C" "A" "T" "T" "T" "T"
  [19585] "T" "C" "T" "A" "T" "T" "A" "C" "T" "C" "T" " " "G" "A" "C" "A" "G" "T"
  [19603] "C" "C" "A" "T" "G" "T" "G" "A" "G" "T" "C" "T" "C" "A" "T" "G" "G" "A"
## [19621] "A" "A" "A" "C" "A" "A" "G" "T" "A" "G" "T" "G" "T" "C" "A" "G" "A" "T"
  [19639] "A" "T" "A" "G" "A" "T" "T" "A" "T" "G" "T" "A" "C" "C" "A" "C" "T" "A"
## [19657] "A" "A" "G" "T" "C" "T" "G" "C" "T" "A" " " "C" "G" "T" "G" "T" "A" "T"
## [19675] "A" "A" "C" "A" "C" "G" "T" "T" "G" "C" "A" "A" "T" "T" "T" "A" "G" "G"
## [19693] "T" "G" "G" "T" "G" "C" "T" "G" "T" "C" "T" "G" "T" "A" "G" "A" "C" "A"
```

```
## [19711] "T" "C" "A" "T" "G" "C" "T" "A" "A" "T" "G" "A" "G" "T" "A" "C" "A" "G"
  [19729] "A" "T" "T" "G" "T" "A" "T" "C" "T" " " "C" "G" "A" "T" "G" "C" "T" "T"
  [19747] "A" "T" "A" "A" "C" "A" "T" "G" "A" "T" "G" "A" "T" "C" "A" "G"
## [19765] "C" "T" "G" "G" "C" "T" "T" "T" "A" "G" "C" "T" "T" "G" "T" "G" "G" "G" "G"
## [19783] "T" "T" "T" "A" "C" "A" "A" "C" "A" "A" "T" "T" "T" "T" "G" "A" "T" "A"
## [19801] "C" "T" "T" "A" "T" "A" "A" "C" " " "C" "T" "C" "T" "G" "G" "A" "A" "C"
## [19819] "A" "C" "T" "T" "T" "T" "A" "C" "A" "G" "A" "C" "T" "T" "C" "A" "G"
## [19837] "A" "G" "T" "T" "T" "A" "G" "A" "A" "A" "A" "T" "G" "T" "G" "G" "C" "T"
  [19855] "T" "T" "T" "A" "A" "T" "G" "T" "T" "G" "T" "A" "A" "A" "A" "A" "A" "G"
  [19873] "G" "G" "A" "C" "A" "C" "T" " "T" "T" "G" "A" "T" "G" "G" "A" "C" "A"
  [19891] "A" "C" "A" "G" "G" "G" "T" "G" "A" "A" "G" "T" "A" "C" "C" "A" "G" "T"
## [19909] "T" "T" "C" "T" "A" "T" "C" "A" "T" "T" "A" "A" "T" "A" "A" "C" "A" "C"
          "T" "G" "T" "T" "T" "A" "C" "A" "C" "A" "A" "A" "A" "G" "T" "T" "G" "A"
  [19927]
## [19945] "T" "G" "G" "T" "G" "T" " "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "T"
## [19981] "C" "A" "T" "T" "A" "C" "C" "T" "G" "T" "T" "A" "A" "T" "G" "T" "A" "G"
  Г199997
          "C" "A" "T" "T" "T" "G" "A" "G" "C" "T" "T" "T" "G" "G" "G" "C" "T" "A"
  [20017] "A" "G" "C" "G" "C" " "A" "A" "A" "C" "A" "T" "T" "A" "A" "A" "A" "C" "C" "A"
  [20035] "G" "T" "A" "C" "C" "A" "G" "A" "G" "T" "G" "A" "A" "A" "A" "A" "A" "T" "A"
## [20053] "C" "T" "C" "A" "A" "T" "A" "A" "T" "T" "T" "G" "G" "G" "T" "G" "T" "G"
## [20071] "G" "A" "C" "A" "T" "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "T" "A" "C" "T"
## [20089] "G" "T" "G" "A" " " "T" "C" "T" "G" "G" "G" "A" "C" "T" "A" "C" "A" "A"
## [20107] "A" "A" "G" "A" "G" "A" "T" "G" "C" "T" "C" "C" "A" "G" "C" "A" "C" "A"
  [20125] "T" "A" "T" "A" "T" "C" "T" "A" "C" "T" "A" "T" "T" "G" "G" "T" "G" "T"
  [20143] "T" "T" "G" "T" "T" "C" "T" "A" "T" "G" "A" "C" "T" "G" "A" "C" "A" "T"
  [20161] "A" "G" "C" " " "C" "A" "A" "G" "A" "A" "A" "C" "C" "A" "A" "A" "C" "T" "G"
  [20179] "A" "A" "A" "C" "G" "A" "T" "T" "G" "T" "G" "C" "A" "C" "C" "A" "C"
  [20197] "T" "C" "A" "C" "T" "G" "T" "C" "T" "T" "T" "T" "T" "T" "T" "G" "A" "T" "G"
## [20215] "G" "T" "A" "G" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "C" "A" "A" "G"
## [20233] "T" "A" " " "G" "A" "C" "T" "T" "A" "T" "T" "A" "G" "A" "A" "A" "A" "T"
## [20251] "G" "C" "C" "C" "G" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "C" "T" "T"
  [20269] "A" "T" "A" "G" "A" "G" "A" "G" "G" "T" "A" "G" "T" "A" "G" "T" "G" "T" "T"
  [20287] "A" "A" "A" "G" "G" "T" "T" "T" "A" "C" "A" "A" "C" "C" "A" "T" "C" "T"
  ## [20323] "T" "A" "G" "T" "C" "T" "T" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "C"
## [20341] "A" "T" "T" "A" "A" "T" "T" "G" "G" "A" "A" "A" "G" "C" "C" "G" "T"
## [20359] "A" "A" "A" "A" "A" "C" "A" "C" "A" "G" "T" "T" "C" "A" "A" "T" "T" "A"
## [20377] " " "T" "T" "A" "T" "A" "A" "G" "A" "A" "G" "T" "T" "G" "A" "T" "G"
## [20395] "G" "T" "G" "T" "T" "G" "T" "C" "C" "A" "A" "C" "A" "A" "T" "T" "A" "C"
  [20413] "C" "T" "G" "A" "A" "A" "C" "T" "T" "A" "C" "T" "T" "T" "A" "C" "T" "T" "A" "C" "T" "A" "C" "T" "C"
##
  [20431] "A" "G" "A" "G" "T" "A" "G" "A" "A" "A" "A" "T" "T" "T" "A" "C" "A" "A" " "
## [20449] "G" "A" "A" "T" "T" "T" "A" "A" "A" "C" "C" "C" "A" "G" "G" "A" "G" "T"
## [20467] "C" "A" "A" "A" "T" "G" "G" "A" "A" "A" "T" "T" "G" "A" "T" "T" "T" "C"
## [20485] "T" "T" "A" "G" "A" "A" "T" "T" "A" "G" "C" "T" "A" "T" "G" "G" "A" "T"
## [20503] "G" "A" "A" "T" "T" "C" "A" "T" "T" "G" "A" "A" "C" "G" "G" "T" " " "A"
## [20521] "T" "A" "A" "A" "T" "T" "A" "G" "A" "A" "G" "G" "C" "T" "A" "T" "G" "C"
   [20539] "C" "T" "T" "C" "G" "A" "A" "C" "A" "T" "A" "T" "C" "G" "T" "T" "T" "A"
  [20557] "T" "G" "G" "A" "G" "A" "T" "T" "T" "T" "A" "G" "T" "C" "A" "T" "A" "G"
  [20575] "T" "C" "A" "G" "T" "T" "A" "G" "G" "T" "G" "G" "T" "T" "T" " " "A" "C"
  [20593] "A" "T" "C" "T" "A" "C" "T" "G" "A" "T" "T" "G" "G" "A" "C" "T" "A" "G"
          "C" "T" "A" "A" "A" "C" "G" "T" "T" "T" "T" "A" "A" "G" "G" "A" "A" "A" "T"
  [20611]
## [20629] "C" "A" "C" "C" "T" "T" "T" "T" "G" "A" "A" "T" "T" "A" "G" "A" "A" "G"
## [20647] "A" "T" "T" "T" "A" "T" "C" "C" "C" "T" "A" "T" "G" " " "G" "A" "C"
## [20665] "A" "G" "T" "A" "C" "A" "G" "T" "T" "A" "A" "A" "A" "A" "A" "C" "T" "A" "T"
```

```
## [20683] "T" "T" "C" "A" "T" "A" "A" "C" "A" "G" "A" "T" "G" "C" "G" "C" "A" "A"
  [20701] "A" "C" "A" "G" "G" "T" "T" "C" "A" "T" "C" "A" "A" "A" "A" "G" "T"
  [20719] "G" "T" "G" "T" "G" "T" "C" "T" "G" "T" "T" "A" " " "T" "T" "G" "A"
  [20737] "T" "T" "A" "A" "T" "A" "C" "T" "A" "G" "A" "T" "G" "A" "T" "G" "A" "T" "T"
  [20773] "C" "C" "A" "A" "G" "A" "T" "T" "T" "A" "T" "C" "T" "G" "T" "A" "G" "T"
## [20791] "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "G" "T" " " "C" "A" "A" "A" "A" "G"
## [20809] "T" "G" "A" "C" "T" "A" "T" "T" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G"
  [20827] "A" "A" "A" "T" "T" "T" "C" "A" "T" "T" "T" "A" "T" "G" "C" "T" "T" "T"
  [20845] "G" "G" "T" "G" "T" "A" "A" "A" "G" "A" "T" "G" "G" "C" "C" "A" "T" "G"
  [20863] "T" "A" "G" "A" "A" "A" "C" "A" "T" "T" "T" "T" "A" "C" "C" "C" "A"
## [20881] "A" "A" "A" "T" "T" "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "C" "A" "A"
  [20899] "G" "C" "G" "T" "G" "G" "C" "A" "A" "C" "C" "G" "G" "G" "T" "T"
## [20917] "G" "C" "T" "A" "T" "G" "C" "C" "T" "A" "A" "T" "C" "T" "T" "T" "A" "C"
## [20935] "A" "A" "A" "A" "T" "G" "C" "A" "A" "A" " " "G" "A" "A" "A" "T" "G" "C" "T"
## [20953] "A" "T" "T" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "A" "C" "C" "T"
  [20971]
         "T" "C" "A" "A" "A" "A" "T" "T" "A" "T" "G" "G" "T" "G" "A" "T" "A" "G"
  [20989] "T" "G" "C" "A" "A" "C" "A" "T" "T" "A" "C" "C" "T" "A" "A" "A" "A" "G" "G"
  [21007] "C" "A" "T" "A" "A" "T" "G" "A" "T" " " "G" "A" "A" "T" "G" "T" "C" "G"
## [21025] "C" "A" "A" "A" "A" "T" "A" "T" "A" "C" "T" "C" "A" "A" "C" "T" "G" "T"
## [21061] "T" "A" "A" "C" "A" "T" "T" "A" "G" "C" "T" "G" "T" "A" "C" "C" "C" "T"
## [21079] "A" "T" "A" "A" "T" "A" "T" "G" " " "A" "G" "A" "G" "T" "T" "A" "T" "A"
## [21097] "C" "A" "T" "T" "T" "T" "G" "G" "T" "G" "C" "T" "G" "G" "T" "T" "C" "T"
## [21115] "G" "A" "T" "A" "A" "A" "G" "G" "G" "T" "T" "G" "C" "A" "C" "C" "A"
  [21133] "G" "G" "T" "A" "C" "A" "G" "C" "T" "G" "T" "T" "T" "T" "A" "A" "A" "G" "A"
## [21151] "C" "A" "G" "T" "G" "G" "T" " " "T" "G" "C" "C" "T" "A" "C" "G" "G" "G"
  [21169] "T" "A" "C" "G" "C" "T" "G" "C" "T" "G" "T" "G" "T" "C" "G" "A" "T" "T" "C"
## [21187] "A" "G" "A" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "T" "T" "T" "G" "T"
## [21205] "C" "T" "C" "T" "G" "A" "T" "G" "C" "A" "G" "A" "T" "T" "C" "A" "A" "C"
## [21223] "T" "T" "T" "G" "A" "T" " " "T" "G" "G" "T" "G" "A" "T" "T" "G" "T" "G"
  [21241] "C" "A" "A" "C" "T" "G" "T" "A" "C" "A" "T" "A" "C" "A" "G" "C" "T" "A"
## [21259] "A" "T" "A" "A" "A" "T" "G" "G" "G" "A" "T" "C" "T" "C" "A" "T" "T" "A"
## [21277] "T" "T" "A" "G" "T" "G" "A" "T" "A" "T" "A" "T" "A" "C" "G" "A" "C" "C"
## [21295] "C" "T" "A" "A" "G" " " "A" "C" "T" "A" "A" "A" "A" "A" "A" "T" "G" "T" "T"
## [21313] "A" "C" "A" "A" "A" "A" "G" "A" "A" "A" "A" "T" "G" "A" "C" "T" "C" "T"
## [21367] "C" "A" "A" "C" " " "A" "A" "A" "A" "G" "C" "T" "A" "G" "C" "T" "C" "T"
## [21385] "T" "G" "G" "A" "G" "G" "T" "T" "C" "C" "G" "T" "G" "G" "C" "T" "A" "T"
## [21403] "A" "A" "A" "G" "A" "T" "A" "A" "C" "A" "G" "A" "A" "C" "A" "T" "T" "C"
## [21421] "T" "T" "G" "G" "A" "A" "T" "G" "C" "T" "G" "A" "T" "C" "T" "T" "A"
## [21439] "T" "A" "A" " " "G" "C" "T" "C" "A" "T" "G" "G" "G" "A" "C" "A" "C" "T"
## [21457] "T" "C" "G" "C" "A" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "C" "C" "T"
## [21475] "T" "T" "G" "T" "T" "A" "C" "T" "A" "A" "T" "G" "T" "G" "A" "A" "T" "G"
## [21493] "C" "G" "T" "C" "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "G" "C" "A" "T"
  [21511] "T" "T" " " "T" "T" "A" "A" "T" "T" "G" "G" "A" "T" "G" "T" "A" "A" "T"
  [21547] "G" "A" "A" "C" "A" "A" "A" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A" "T"
## [21565] "G" "T" "C" "A" "T" "G" "C" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "A" "C"
  [21583] "A" " "T" "A" "T" "T" "T" "T" "G" "G" "A" "G" "G" "A" "A" "T" "A" "C"
## [21601] "A" "A" "A" "T" "C" "C" "A" "A" "T" "T" "C" "A" "G" "T" "T" "G" "T" "C"
## [21619] "T" "T" "C" "C" "T" "A" "T" "T" "C" "T" "T" "A" "T" "T" "T" "T" "G" "A"
## [21637] "C" "A" "T" "G" "A" "G" "T" "A" "A" "A" "T" "T" "T" "C" "C" "C" "C" "T"
```

```
## [21655] " " "T" "A" "A" "A" "T" "T" "A" "A" "G" "G" "G" "G" "T" "A" "C" "T" "G"
  [21673] "C" "T" "G" "T" "T" "A" "T" "G" "T" "C" "T" "T" "T" "A" "A" "A" "A" "G"
  [21691] "A" "A" "G" "G" "T" "C" "A" "A" "A" "T" "C" "A" "A" "T" "G" "A" "T" "A"
  ## [21727] "A" "G" "T" "A" "A" "A" "G" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "A"
## [21745] "A" "T" "T" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "A" "C" "A" "G" "A"
## [21763] "G" "T" "T" "G" "T" "T" "A" "T" "T" "C" "T" "A" "G" "T" "G" "A" "T"
## [21781] "G" "T" "T" "C" "T" "T" "G" "T" "T" "A" "A" "C" "A" "A" "C" "T" " " "A"
  [21817] "T" "T" "C" "T" "T" "G" "T" "T" "T" "T" "A" "T" "T" "G" "C" "C" "A" "C"
  [21835] "T" "A" "G" "T" "C" "T" "C" "T" "A" "G" "T" "C" "A" "G" "T" "G" "T" "G"
## [21853] "T" "T" "A" "A" "T" "C" "T" "T" "A" "C" "A" "A" "C" "C" "A" " " "G" "A"
  [21871] "A" "C" "T" "C" "A" "A" "T" "T" "A" "C" "C" "C" "C" "C" "T" "G" "C" "A"
## [21889] "T" "A" "C" "A" "C" "T" "A" "A" "T" "T" "C" "T" "T" "T" "C" "A" "C" "A"
## [21907] "C" "G" "T" "G" "G" "T" "G" "T" "T" "A" "T" "A" "T" "A" "C" "C" "C" "T"
## [21925] "G" "A" "C" "A" "A" "A" "G" "T" "T" "T" "T" "C" "A" "G" " " "A" "T" "C"
  [21943] "C" "T" "C" "A" "G" "T" "T" "T" "T" "A" "C" "A" "T" "T" "C" "A" "A" "C"
  [21961] "T" "C" "A" "G" "G" "A" "C" "T" "T" "G" "T" "T" "C" "T" "T" "A" "C" "C"
  ## [21997] "T" "T" "G" "G" "T" "T" "C" "C" "A" "T" "G" "C" "T" " " "A" "T" "C" "T"
## [22015] "C" "T" "G" "G" "G" "A" "C" "C" "A" "A" "T" "G" "G" "T" "A" "C" "T" "A"
## [22033] "A" "G" "A" "G" "G" "T" "T" "T" "G" "A" "T" "A" "A" "C" "C" "C" "T" "G"
## [22051] "T" "C" "C" "T" "A" "C" "C" "A" "T" "T" "T" "A" "A" "T" "G" "A" "T" "G"
## [22069] "G" "T" "G" "T" "T" "T" "A" "T" "T" "T" "T" "G" " " "C" "T" "T" "C" "C"
## [22087] "A" "C" "T" "G" "A" "G" "A" "G" "T" "C" "T" "A" "A" "A" "C" "A" "T" "A"
  [22105] "A" "T" "A" "A" "G" "A" "G" "G" "C" "T" "G" "G" "A" "T" "T" "T" "T" "T"
## [22123] "G" "G" "T" "A" "C" "T" "A" "C" "T" "T" "A" "G" "A" "T" "T" "C" "G"
  [22141] "A" "A" "G" "A" "C" "C" "C" "A" "G" "T" "C" " " "C" "C" "T" "A" "C" "T"
## [22159] "T" "A" "T" "T" "G" "T" "T" "A" "A" "T" "A" "C" "G" "C" "T" "A" "C"
## [22177] "T" "A" "A" "T" "G" "T" "T" "G" "T" "T" "A" "T" "T" "A" "A" "A" "A" "G" "T"
## [22195] "C" "T" "G" "T" "G" "A" "A" "T" "T" "C" "A" "A" "T" "T" "T" "T" "G"
  [22213] "T" "A" "A" "T" "G" "A" "T" "C" "C" "A" " " "T" "T" "T" "T" "T" "G" "G"
## [22249] "A" "C" "A" "A" "A" "A" "G" "T" "T" "G" "G" "A" "T" "G" "G" "A" "A" "A" "A"
## [22267] "G" "T" "G" "A" "G" "T" "T" "C" "A" "G" "A" "G" "T" "T" "T" "A" "T" "T"
## [22285] "C" "T" "A" "G" "T" "G" "C" "G" "A" " " "A" "T" "A" "A" "T" "T" "G" "C"
## [22303] "A" "C" "T" "T" "T" "T" "G" "A" "A" "T" "A" "T" "G" "T" "C" "T" "C" "T"
## [22321] "C" "A" "G" "C" "C" "T" "T" "T" "T" "T" "T" "A" "T" "G" "G" "A" "C"
## [22339] "C" "T" "T" "G" "A" "A" "G" "G" "A" "A" "A" "A" "C" "A" "G" "G" "G" "T"
## [22357] "A" "A" "T" "T" "T" "C" "A" "A" " " "A" "A" "A" "T" "C" "T" "T" "A" "G"
## [22375] "G" "G" "A" "A" "T" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "G" "A" "A"
## [22411] "A" "A" "T" "A" "T" "A" "T" "C" "T" "A" "A" "G" "C" "A" "C" "A" "C"
## [22447] "G" "T" "G" "A" "T" "C" "T" "C" "C" "T" "C" "A" "G" "G" "G" "T" "T"
## [22465] "T" "T" "C" "G" "G" "C" "T" "T" "A" "G" "A" "A" "C" "C" "A" "T"
  [22483] "T" "G" "G" "T" "A" "G" "A" "T" "T" "T" "G" "C" "C" "A" "A" "T" "A" "G"
## [22501] "G" "T" "A" "T" "T" "A" " " "A" "C" "A" "T" "C" "A" "C" "T" "A" "G" "G"
  [22519] "T" "T" "T" "C" "A" "A" "A" "C" "T" "T" "T" "A" "C" "T" "T" "G" "C" "T"
## [22537] "T" "T" "A" "C" "A" "T" "A" "G" "A" "A" "G" "T" "T" "A" "T" "T" "T" "G"
         "A" "C" "T" "C" "C" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T" "T" "C" "T"
## [22555]
## [22573] "T" "C" "A" "G" "G" " "T" "T" "G" "G" "A" "C" "A" "G" "C" "T" "G" "G"
## [22591] "T" "G" "C" "T" "G" "C" "A" "G" "C" "T" "T" "A" "T" "A" "T" "A" "T" "G" "T"
## [22609] "G" "G" "T" "T" "A" "T" "C" "T" "T" "C" "A" "A" "C" "C" "T" "A" "G"
```

```
[22645] "T" "A" "A" "T" " " "G" "A" "A" "A" "A" "T" "G" "G" "A" "A" "A" "C" "C" "A"
## [22663] "T" "T" "A" "C" "A" "G" "A" "T" "G" "C" "T" "G" "T" "A" "G" "A" "C" "T"
## [22681] "G" "T" "G" "C" "A" "C" "T" "T" "G" "A" "C" "C" "T" "C" "T" "C" "T"
## [22699] "C" "A" "G" "A" "A" "A" "C" "A" "A" "A" "G" "T" "G" "T" "A" "C" "G" "T"
## [22717] "T" "G" "A" " "A" "A" "T" "C" "C" "T" "T" "C" "A" "C" "T" "G" "T" "A"
## [22753] "A" "C" "T" "T" "C" "T" "A" "A" "C" "T" "T" "A" "G" "A" "G" "T" "C"
  [22789] "G" "T" " "T" "A" "G" "A" "T" "T" "T" "C" "C" "T" "A" "A" "T" "A" "T"
  [22807] "T" "A" "C" "A" "A" "A" "C" "T" "T" "G" "T" "G" "C" "C" "C" "C" "T" "T" "T"
## [22825] "T" "G" "G" "T" "G" "A" "A" "G" "T" "T" "T" "T" "T" "A" "A" "C" "G" "C"
## [22843] "C" "A" "C" "C" "A" "G" "A" "T" "T" "T" "G" "C" "A" "T" "C" "T" "G" "T"
## [22861] "T" " "T" "A" "T" "G" "C" "T" "T" "G" "G" "A" "A" "C" "A" "G" "G" "A"
## [22879] "A" "G" "A" "G" "A" "A" "T" "C" "A" "G" "C" "A" "A" "C" "T" "G"
## [22897] "T" "T" "G" "C" "T" "G" "A" "T" "T" "A" "T" "T" "C" "T" "G" "T" "C" "C"
  [22915] "T" "A" "T" "A" "T" "A" "A" "A" "T" "C" "C" "C" "G" "C" "A" "T" "C" "A" "T"
## [22933] " " "T" "T" "T" "C" "C" "A" "C" "T" "T" "T" "T" "A" "A" "G" "T" "G" "T"
## [22951] "T" "A" "T" "G" "G" "A" "G" "T" "G" "T" "C" "T" "C" "T" "A" "C" "T"
## [22969] "A" "A" "A" "T" "T" "A" "A" "A" "T" "G" "A" "T" "C" "T" "C" "T" "G" "C"
## [23005] "A" "G" "A" "T" "T" "C" "A" "T" "T" "T" "G" "T" "A" "A" "T" "T" "A" "G"
## [23023] "A" "G" "G" "T" "G" "A" "T" "G" "A" "A" "G" "T" "C" "A" "G" "A" "C" "A"
## [23041] "A" "A" "T" "C" "G" "C" "T" "C" "C" "A" "G" "G" "G" "C" "A" "A" "A" "A" "C"
## [23059] "T" "G" "G" "A" "A" "A" "G" "A" "T" "T" "G" "C" "T" "G" "A" "T" " "T"
  ## [23095] "A" "T" "G" "A" "T" "T" "T" "A" "C" "A" "G" "G" "C" "T" "G" "C" "G"
  [23113] "T" "T" "A" "T" "A" "G" "C" "T" "T" "G" "G" "A" "A" "T" "T" "C" "T" "A"
## [23131] "A" "C" "A" "A" "T" "C" "T" "T" "G" "A" "T" "T" "C" "T" "A" " " "A" "G"
## [23149] "G" "T" "T" "G" "G" "T" "G" "G" "T" "A" "A" "T" "T" "A" "T" "A" "A" "T"
## [23167] "T" "A" "C" "C" "T" "G" "T" "A" "T" "A" "G" "A" "T" "T" "G" "T" "T" "T"
  [23185] "A" "G" "G" "A" "A" "G" "T" "C" "T" "A" "A" "A" "T" "C" "T" "C" "A" "A" "A"
  [23203] "C" "C" "T" "T" "T" "T" "G" "A" "G" "A" "G" "A" "G" "A" "G" "A" " "T" "A" "T"
## [23221] "T" "T" "C" "A" "A" "C" "T" "G" "A" "A" "A" "T" "C" "T" "A" "T" "C" "A"
## [23239] "G" "G" "C" "C" "G" "G" "T" "A" "G" "C" "A" "C" "A" "C" "C" "T" "T" "G"
## [23257] "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "G" "A" "A" "G" "G" "T" "T" "T"
## [23275] "T" "A" "A" "T" "T" "G" "T" "T" "A" "C" "T" "T" "T" "T" " "C" "C" "T" "T"
## [23293] "T" "A" "C" "A" "A" "T" "C" "A" "T" "G" "G" "G" "T" "T" "T" "C" "C"
## [23311] "A" "A" "C" "C" "C" "A" "C" "T" "T" "A" "T" "G" "G" "T" "G" "T" "T" "G"
  [23329] "G" "T" "T" "A" "C" "C" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "G"
##
## [23365] "G" "A" "A" "C" "T" "T" "C" "T" "A" "C" "A" "T" "G" "C" "A" "C" "C" "A"
## [23383] "G" "C" "A" "A" "C" "T" "G" "T" "T" "G" "T" "G" "G" "A" "C" "C" "T"
## [23401] "A" "A" "A" "A" "A" "G" "T" "C" "T" "A" "C" "T" "A" "A" "T" "T" "T" "G"
## [23419] "G" "T" "T" "A" "A" "A" "A" "C" "A" "A" " " "A" "T" "G" "T" "G" "T"
## [23437] "C" "A" "A" "T" "T" "C" "A" "A" "C" "T" "T" "C" "A" "A" "T" "G" "G"
         "T" "T" "T" "A" "A" "C" "A" "G" "G" "C" "A" "C" "A" "G" "G" "T"
  [23455]
  [23473] "T" "C" "T" "T" "A" "C" "T" "G" "A" "G" "T" "C" "T" "A" "A" "C" "A" "A"
  [23491] "A" "A" "A" "G" "T" "T" "T" "C" "T" "G" " " "C" "C" "T" "T" "T" "T" "C" "C"
## [23509] "A" "A" "C" "A" "A" "T" "T" "T" "G" "G" "C" "A" "G" "A" "G" "A" "C" "A"
         "T" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T" "A" "C" "T" "G"
  [23527]
## [23545] "C" "T" "G" "T" "C" "C" "G" "T" "G" "A" "T" "C" "C" "A" "C" "A" "G" "A"
## [23563] "C" "A" "C" "T" "T" "G" "A" "G" "A" " " "T" "T" "C" "T" "T" "G" "A" "C"
## [23581] "A" "T" "T" "A" "C" "A" "C" "C" "A" "T" "G" "T" "T" "C" "T" "T" "T" "T" "T"
```

```
## [23599] "G" "G" "T" "G" "G" "T" "G" "T" "C" "A" "G" "T" "G" "T" "T" "A" "T" "A"
  [23635] "T" "C" "T" "A" "A" "C" "C" "A" " " "G" "G" "T" "T" "G" "C" "T" "G" "T"
  [23653] "T" "C" "T" "T" "T" "A" "T" "C" "A" "G" "G" "G" "T" "G" "T" "T" "A" "A"
## [23671] "C" "T" "G" "C" "A" "C" "A" "G" "A" "G" "T" "C" "C" "C" "C" "T" "G" "T"
## [23689] "T" "G" "C" "T" "A" "T" "T" "C" "A" "T" "G" "C" "A" "G" "A" "T" "C" "A"
## [23707] "A" "C" "T" "T" "A" "C" "T" " " "C" "C" "T" "A" "C" "T" "T" "G" "G" "C"
## [23725] "G" "T" "G" "T" "T" "T" "A" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T" "T"
  [23743] "C" "T" "A" "A" "T" "G" "T" "T" "T" "T" "T" "C" "A" "A" "A" "A" "C"
  [23761] "G" "T" "G" "C" "A" "G" "C" "T" "G" "T" "T" "A" "A" "A" "T" "A" "G"
  [23779] "G" "G" "G" "C" "T" "G" " " "A" "A" "C" "A" "T" "G" "T" "C" "A" "A" "C"
## [23797] "A" "A" "C" "T" "C" "A" "T" "A" "T" "G" "A" "G" "T" "G" "T" "G" "A" "C"
  [23815] "A" "T" "A" "C" "C" "C" "A" "T" "G" "G" "T" "G" "G" "T" "G" "G" "T"
## [23833] "A" "T" "A" "T" "G" "C" "G" "C" "T" "A" "G" "T" "T" "A" "T" "C" "A" "G"
## [23851] "A" "C" "T" "C" "A" " " "G" "A" "C" "T" "A" "A" "T" "T" "C" "T" "C" "A"
## [23869] "T" "C" "G" "G" "C" "G" "G" "C" "A" "C" "G" "T" "A" "G" "T" "G" "T"
  [23887] "A" "G" "C" "T" "A" "G" "T" "C" "A" "A" "T" "C" "A" "T" "C" "A" "T"
## [23905] "T" "G" "C" "C" "T" "A" "C" "A" "C" "T" "A" "T" "G" "T" "C" "A" "C" "T"
## [23923] "T" "G" "G" "T" " " "G" "C" "A" "G" "A" "A" "A" "A" "T" "T" "C" "A" "G"
## [23941] "T" "T" "G" "C" "T" "T" "A" "C" "T" "C" "T" "A" "A" "T" "A" "A" "C" "T"
## [23959] "C" "T" "A" "T" "T" "G" "C" "C" "A" "T" "A" "C" "C" "C" "A" "T" "A" "A"
## [23977] "A" "T" "T" "T" "T" "A" "C" "T" "A" "T" "T" "A" "G" "T" "G" "T" "T" "A"
## [23995] "C" "C" "A" " "C" "A" "G" "A" "A" "A" "T" "T" "C" "T" "A" "C" "C" "A"
## [24013] "G" "T" "G" "T" "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "G" "A" "C" "A"
## [24031] "T" "C" "A" "G" "T" "A" "G" "T" "T" "G" "T" "A" "C" "A" "A" "A" "T" "G"
  [24049] "T" "A" "C" "A" "T" "T" "T" "G" "T" "G" "T" "G" "T" "G" "A" "T" "T" "C" "A"
## [24067] "A" "C" " " "T" "G" "A" "A" "T" "G" "C" "A" "G" "C" "A" "A" "T" "C" "T"
## [24085] "T" "T" "T" "G" "T" "T" "G" "C" "A" "A" "T" "A" "T" "G" "G" "C" "A" "G"
## [24103] "T" "T" "T" "T" "T" "G" "T" "A" "C" "A" "C" "A" "A" "T" "T" "A" "A" "A" "A"
## [24121] "C" "C" "G" "T" "G" "C" "T" "T" "A" "A" "C" "T" "G" "G" "A" "A" "T"
## [24139] "A" " " "G" "C" "T" "G" "T" "T" "G" "A" "A" "C" "A" "A" "G" "A" "C" "A"
  ## [24211] " " "T" "T" "A" "A" "G" "A" "T" "T" "T" "T" "G" "G" "T" "G" "G" "T"
## [24229] "T" "T" "A" "A" "A" "T" "T" "T" "T" "C" "A" "C" "A" "A" "A" "A" "T" "A"
## [24247] "T" "T" "A" "C" "C" "A" "G" "A" "T" "C" "C" "A" "T" "C" "A" "A" "A" "A" "A"
## [24265] "C" "C" "A" "A" "G" "C" "A" "A" "G" "G" "A" "G" "G" "T" "C" "A" "T" "T" " "
## [24283] "T" "A" "T" "T" "G" "A" "A" "G" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "T"
## [24301] "C" "A" "A" "C" "A" "A" "A" "G" "T" "G" "A" "C" "A" "C" "T" "T" "G" "C"
## [24319] "A" "G" "A" "T" "G" "C" "T" "G" "C" "T" "T" "C" "A" "T" "C" "A" "A"
## [24337] "A" "C" "A" "A" "T" "A" "T" "G" "G" "T" "G" "A" "T" "T" "G" "C"
## [24355] "T" "T" "G" "G" "T" "G" "A" "T" "A" "T" "G" "C" "T" "G" "C" "T" "A"
## [24373] "G" "A" "G" "A" "C" "C" "T" "C" "A" "T" "T" "T" "G" "T" "G" "C" "A" "C"
## [24391] "A" "A" "A" "A" "G" "T" "T" "T" "A" "A" "C" "G" "G" "C" "C" "T" "T" "A"
## [24409] "C" "T" "G" "T" "T" "T" "T" "G" "C" "C" "A" "C" "C" "T" "T" " " "T" "G"
  [24427] "C" "T" "C" "A" "C" "A" "G" "A" "T" "G" "A" "A" "A" "A" "T" "G" "A" "T" "T"
## [24445] "G" "C" "T" "C" "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "T" "G" "C" "A"
  [24463] "C" "T" "G" "T" "T" "A" "G" "C" "G" "G" "G" "T" "A" "C" "A" "A" "T" "C"
## [24481] "A" "C" "T" "T" "C" "T" "G" "G" "T" "T" "G" "G" "A" "C" " " "C" "T" "T"
         "T" "G" "G" "T" "G" "C" "A" "G" "G" "T" "G" "C" "T" "G" "C" "A" "T" "T"
## [24499]
## [24517] "A" "C" "A" "A" "A" "T" "A" "C" "C" "A" "T" "T" "T" "G" "C" "T" "A" "T"
## [24535] "G" "C" "A" "A" "A" "T" "G" "G" "C" "T" "T" "A" "T" "A" "G" "G" "T" "T"
## [24553] "T" "A" "A" "T" "G" "G" "T" "A" "T" "T" "G" "G" "A" " " "G" "T" "T" "A"
```

```
## [24571] "C" "A" "C" "A" "G" "A" "A" "T" "G" "T" "T" "C" "T" "C" "T" "A" "T" "G"
  [24589] "A" "G" "A" "A" "C" "C" "A" "A" "A" "A" "A" "T" "T" "G" "A" "T" "T" "G"
## [24607] "C" "C" "A" "A" "C" "C" "A" "A" "T" "T" "T" "A" "A" "T" "A" "G" "T" "G"
  [24625] "C" "T" "A" "T" "T" "G" "G" "C" "A" "A" "A" "A" "A" " " "T" "T" "C" "A" "A"
## [24643] "G" "A" "C" "T" "C" "A" "C" "T" "T" "T" "C" "T" "T" "C" "C" "A" "C" "A"
## [24661] "G" "C" "A" "A" "G" "T" "G" "C" "A" "C" "T" "T" "G" "G" "A" "A" "A" "A" "A"
## [24679] "C" "T" "T" "C" "A" "A" "G" "A" "T" "G" "T" "G" "T" "C" "A" "A" "C"
## [24697] "C" "A" "A" "A" "A" "T" "G" "C" "A" "C" "A" " " "A" "G" "C" "T" "T" "T"
  [24715] "A" "A" "A" "C" "A" "C" "G" "C" "T" "T" "G" "T" "T" "A" "A" "A" "A" "C" "A"
  [24733] "A" "C" "T" "T" "A" "G" "C" "T" "C" "C" "A" "A" "T" "T" "T" "T" "T" "G" "G"
  [24751] "T" "G" "C" "A" "A" "T" "T" "T" "C" "A" "A" "G" "T" "G" "T" "T" "T" "T" "T"
## [24769] "A" "A" "A" "T" "G" "A" "T" "A" "T" "C" " " "C" "T" "T" "G" "C" "A" "C"
## [24787] "G" "T" "C" "T" "T" "G" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "G" "G"
## [24805] "C" "T" "G" "A" "A" "G" "T" "G" "C" "A" "A" "A" "T" "T" "G" "A" "T" "A"
## [24823] "G" "G" "T" "T" "G" "A" "T" "C" "A" "G" "G" "G" "C" "A" "G" "G" "C" "A" "G" "A" "G" "A" "G" "A" "G"
## [24841] "T" "T" "C" "A" "A" "G" "T" "T" " "T" "G" "C" "A" "G" "A" "C" "A"
  [24859]
          "T" "A" "T" "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "A" "A" "A" "T" "A"
## [24877] "A" "T" "T" "A" "G" "A" "G" "C" "T" "G" "C" "A" "G" "A" "A" "A" "T" "C"
## [24895] "A" "G" "A" "G" "C" "T" "T" "C" "T" "G" "C" "T" "A" "A" "T" "C" "T" "T"
## [24913] "G" "C" "T" "G" "C" "T" "A" "C" " "T" "A" "A" "A" "A" "A" "T" "G" "T" "C"
## [24931] "A" "G" "A" "G" "T" "G" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "C" "A"
## [24949] "A" "T" "C" "A" "A" "A" "A" "G" "A" "G" "T" "T" "G" "A" "T" "T" "T"
## [24967] "T" "T" "G" "T" "G" "G" "A" "A" "A" "G" "G" "G" "C" "T" "A" "T" "C" "A"
## [24985] "T" "C" "T" "T" "A" "T" "G" " " "T" "C" "C" "T" "T" "C" "C" "C" "T" "C"
## [25003] "A" "G" "T" "C" "A" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T" "G"
  [25021] "T" "A" "G" "T" "C" "T" "T" "C" "T" "T" "G" "C" "A" "T" "G" "T" "G" "A"
## [25039] "C" "T" "A" "T" "G" "T" "C" "C" "C" "T" "G" "C" "A" "A" "A" "G"
  [25057] "A" "A" "A" "A" "G" "A" " "A" "C" "T" "T" "C" "A" "C" "A" "C" "A" "C" "T"
## [25075] "G" "C" "T" "C" "C" "T" "G" "C" "C" "A" "T" "T" "T" "G" "T" "C" "A" "T"
## [25093] "G" "A" "T" "G" "G" "A" "A" "A" "G" "C" "A" "C" "A" "C" "T" "T" "T"
## [25111] "C" "C" "T" "C" "G" "T" "G" "A" "A" "G" "G" "T" "G" "T" "C" "T" "T" "T"
  [25129] "G" "T" "T" "T" "C" " " "A" "A" "A" "T" "G" "G" "C" "A" "C" "A" "C" "A"
  [25147] "C" "T" "G" "G" "T" "T" "T" "G" "T" "A" "A" "C" "A" "C" "A" "A" "A" "A" "G"
  [25165] "G" "A" "A" "T" "T" "T" "T" "T" "A" "T" "G" "A" "A" "C" "A" "C" "A"
  ## [25201] "C" "A" "C" "A" " " "T" "T" "T" "G" "T" "G" "T" "C" "T" "G" "T" "A"
## [25219] "A" "C" "T" "G" "T" "G" "A" "T" "G" "T" "T" "G" "T" "A" "A" "T" "A" "G"
## [25237] "G" "A" "A" "T" "T" "G" "T" "C" "A" "A" "C" "A" "A" "C" "A" "C" "A" "G"
## [25255] "T" "T" "A" "T" "G" "A" "T" "C" "C" "T" "T" "T" "G" "C" "A" "A" "C"
## [25273] "C" "T" "G" " " "A" "A" "T" "T" "A" "G" "A" "C" "T" "C" "A" "T" "T" "C"
## [25291] "A" "A" "G" "G" "A" "G" "G" "A" "G" "T" "T" "A" "G" "A" "T" "A" "A" "A"
## [25309] "T" "A" "T" "T" "T" "T" "A" "A" "G" "A" "A" "T" "C" "A" "T" "A" "C" "A"
## [25327] "T" "C" "A" "C" "C" "A" "G" "A" "T" "G" "T" "T" "G" "A" "T" "T" "T" "A"
## [25345] "G" "G" " " "T" "G" "A" "C" "A" "T" "C" "T" "C" "T" "G" "G" "C" "A" "T"
## [25363] "T" "A" "A" "T" "G" "C" "T" "T" "C" "A" "G" "T" "T" "G" "T" "A" "A" "A"
## [25381] "C" "A" "T" "T" "C" "A" "A" "A" "A" "G" "A" "A" "A" "T" "T" "G" "A"
          "C" "C" "G" "C" "C" "T" "C" "A" "A" "T" "G" "A" "G" "G" "T" "T" "G" "C"
   [25399]
  [25417] "C" " "A" "A" "A" "G" "A" "A" "T" "T" "T" "A" "A" "A" "T" "G" "A" "A" "T"
  [25435] "C" "T" "C" "T" "C" "A" "T" "C" "G" "A" "T" "C" "T" "C" "T" "C" "C" "A" "A" "G"
## [25453] "A" "A" "C" "T" "T" "G" "G" "A" "A" "A" "G" "T" "A" "T" "G" "A" "G" "C"
          "A" "G" "T" "A" "T" "A" "T" "A" "A" "A" "A" "T" "G" "G" "C" "C" "A" "T"
## [25471]
## [25489] " " "G" "G" "T" "A" "C" "A" "T" "T" "T" "G" "G" "C" "T" "A" "G" "G" "T"
## [25507] "T" "T" "A" "T" "A" "G" "C" "T" "G" "G" "C" "T" "T" "G" "A" "T" "T"
## [25525] "G" "C" "C" "A" "T" "A" "G" "T" "A" "A" "T" "G" "G" "T" "G" "A" "C" "A"
```

```
## [25543] "A" "T" "T" "A" "T" "G" "C" "T" "T" "G" "C" "T" "G" "C" "T" "G" "T" "A" "T" "
  [25561] "G" "A" "C" "C" "A" "G" "T" "T" "G" "C" "T" "G" "T" "A" "G" "T" "T" "G"
  [25579] "T" "C" "T" "C" "A" "A" "G" "G" "G" "C" "T" "G" "T" "T" "G" "T" "T" "C"
  [25597] "T" "T" "G" "T" "G" "G" "A" "T" "C" "C" "T" "G" "C" "T" "G" "C" "T" "A" "A"
  [25615] "A" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "A" "C" "G" "A" "C" " " "T"
## [25633] "C" "T" "G" "A" "G" "C" "C" "A" "G" "T" "G" "C" "T" "C" "A" "A" "A" "G"
## [25651] "G" "A" "G" "T" "C" "A" "A" "A" "T" "T" "A" "C" "A" "T" "T" "A" "C" "A"
## [25669] "C" "A" "T" "A" "A" "A" "C" "G" "A" "A" "C" "T" "T" "A" "T" "G" "G" "A"
  [25687] "T" "T" "T" "G" "T" "T" "A" "T" "G" "A" "G" "A" "A" "T" " "C" "T"
  [25705] "T" "C" "A" "C" "A" "A" "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "A" "A"
  [25723] "C" "T" "T" "T" "G" "A" "A" "G" "C" "A" "A" "G" "G" "T" "G" "A" "A" "A" "A"
## [25741] "T" "C" "A" "A" "G" "G" "A" "T" "G" "C" "T" "A" "C" "T" "C" "C" "T" "T"
  [25759] "C" "A" "G" "A" "T" "T" "T" "T" "G" "T" "T" "C" "G" "C" " " "G" "C" "T"
## [25777] "A" "C" "T" "G" "C" "A" "A" "C" "G" "A" "T" "A" "C" "C" "G" "A" "T" "A"
## [25795] "C" "A" "A" "G" "C" "C" "T" "C" "A" "C" "T" "C" "C" "C" "T" "T" "T" "T" "C"
## [25813] "G" "G" "A" "T" "G" "G" "C" "T" "T" "A" "T" "T" "G" "T" "T" "G" "G" "C"
  [25831]
          "G" "T" "T" "G" "C" "A" "C" "T" "T" "C" "T" "T" "G" " " "C" "T" "G" "T"
  [25849] "T" "T" "T" "T" "C" "A" "G" "A" "G" "C" "G" "C" "T" "T" "C" "C" "A" "A"
## [25885] "G" "A" "G" "A" "T" "G" "G" "C" "A" "A" "C" "T" "A" "G" "C" "A" "C" "T"
## [25903] "C" "T" "C" "C" "A" "A" "G" "G" "G" "T" "G" "T" " " "T" "C" "A" "C" "T"
## [25921] "T" "T" "G" "T" "T" "G" "C" "A" "A" "C" "T" "T" "G" "C" "T" "G" "T"
## [25939] "T" "G" "T" "T" "G" "T" "T" "G" "T" "A" "A" "C" "A" "G" "T" "T" "T"
## [25957] "A" "C" "T" "C" "A" "C" "A" "C" "T" "T" "T" "T" "T" "G" "C" "T" "C" "G"
## [25975] "T" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "G" "C" " " "C" "T" "T" "G" "A" "A"
  [25993] "G" "C" "C" "C" "C" "T" "T" "T" "T" "C" "T" "C" "T" "A" "T" "C" "T" "T"
## [26011] "T" "A" "T" "G" "C" "T" "T" "A" "G" "T" "C" "T" "A" "C" "T" "T" "C"
  [26029] "T" "T" "G" "C" "A" "G" "A" "G" "T" "A" "T" "A" "A" "A" "A" "C" "T" "T" "T"
## [26047] "G" "T" "A" "A" "G" "A" "A" "T" "A" "A" " "T" "A" "A" "T" "G" "A" "G"
## [26065] "G" "C" "T" "T" "T" "G" "G" "C" "T" "T" "T" "G" "C" "T" "G" "G" "A" "A"
[26101] "A" "T" "T" "A" "C" "T" "T" "A" "T" "G" "A" "T" "G" "A" "T" "G" "A" "A"
  [26137] "A" "T" "A" "C" "T" "A" "A" "T" "T" "G" "T" "A" "A" "C" "T"
  [26155] "A" "T" "T" "G" "T" "A" "T" "A" "C" "C" "T" "T" "A" "C" "A" "A" "T" "A"
  [26173] "G" "T" "G" "T" "A" "A" "C" "T" "T" "C" "T" "T" "C" "A" "A" "T" "T" "G"
## [26191] "T" "C" "A" "T" "T" "A" "C" "T" " "T" "C" "A" "G" "G" "T" "G" "A" "T"
## [26209] "G" "G" "C" "A" "C" "A" "A" "C" "A" "G" "T" "C" "C" "T" "A" "T" "T"
## [26227] "T" "C" "T" "G" "A" "A" "C" "A" "T" "G" "A" "C" "T" "A" "C" "C" "A" "G"
  [26245] "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "T" "G" "A" "A"
##
  [26263] "A" "A" "A" "T" "G" "G" "G" "G" " " "A" "A" "T" "C" "T" "G" "G" "A" "G" "T"
## [26281] "A" "A" "A" "A" "G" "A" "C" "T" "G" "T" "G" "T" "G" "T" "A" "T" "T"
## [26299] "A" "C" "A" "C" "A" "G" "T" "T" "A" "C" "T" "T" "C" "A" "C" "T" "T" "C"
## [26317] "A" "G" "A" "C" "T" "A" "T" "T" "A" "C" "C" "A" "G" "C" "T" "G" "T" "A"
## [26335] "C" "T" "C" "A" "A" "C" " "T" "C" "A" "A" "T" "T" "G" "A" "G" "T" "A"
## [26353] "C" "A" "G" "A" "C" "A" "C" "T" "G" "G" "T" "G" "T" "T" "G" "A" "A" "C"
  [26371] "A" "T" "G" "T" "T" "A" "C" "C" "T" "T" "C" "T" "T" "C" "A" "T" "C" "T"
  [26389] "A" "C" "A" "A" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "G" "T" "T" "G"
  [26407] "A" "G" "C" "C" "T" " "G" "A" "A" "G" "A" "A" "C" "A" "T" "G" "T" "C"
## [26425] "C" "A" "A" "A" "T" "T" "C" "A" "C" "A" "C" "A" "A" "T" "C" "G" "A" "C"
         "G" "G" "T" "T" "C" "A" "T" "C" "C" "G" "G" "A" "G" "T" "T" "G" "T" "T"
  [26443]
## [26461] "A" "A" "T" "C" "C" "A" "G" "T" "A" "A" "T" "G" "G" "A" "A" "C" "C" "A"
## [26479] "A" "T" "T" "T" " "A" "T" "G" "A" "T" "G" "A" "A" "C" "C" "G" "A" "C"
## [26497] "G" "A" "C" "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "G" "T" "G" "C" "C"
```

```
## [26515] "T" "T" "T" "G" "T" "A" "A" "G" "C" "A" "C" "A" "A" "G" "C" "T" "G" "A"
   [26533] "T" "G" "A" "G" "T" "A" "C" "G" "A" "A" "C" "T" "T" "A" "T" "G" "T" "A"
  [26551] "C" "T" "C" " " "A" "T" "T" "C" "G" "T" "T" "T" "C" "G" "G" "A" "A" "A" "G"
  [26569] "A" "G" "A" "C" "A" "G" "G" "T" "A" "C" "G" "T" "T" "A" "A" "A" "A" "G"
  [26587] "T" "T" "A" "A" "T" "A" "G" "C" "G" "T" "A" "C" "T" "T" "C" "T" "T" "T"
## [26605] "T" "T" "C" "T" "T" "G" "C" "T" "T" "T" "C" "G" "T" "G" "G" "T" "A" "T"
## [26623] "T" "C" " " "T" "T" "G" "C" "T" "A" "G" "T" "T" "A" "C" "A" "C" "T" "A"
## [26641] "G" "C" "C" "A" "T" "C" "C" "T" "T" "A" "C" "T" "G" "C" "G" "C" "T" "T"
  [26659] "C" "G" "A" "T" "T" "G" "T" "G" "T" "G" "C" "G" "T" "A" "C" "T" "G" "C"
  [26677] "T" "G" "C" "A" "A" "T" "A" "T" "T" "G" "T" "T" "A" "A" "C" "G" "T" "G"
  [26695] "A" " "G" "T" "C" "T" "T" "G" "T" "A" "A" "A" "A" "C" "C" "T" "T" "C"
## [26713] "T" "T" "T" "T" "T" "A" "C" "G" "T" "T" "A" "C" "T" "C" "T" "C" "G"
  [26731] "T" "G" "T" "T" "A" "A" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T" "C"
## [26749] "T" "T" "C" "T" "A" "G" "A" "G" "T" "T" "C" "C" "T" "G" "A" "T" "C" "T"
## [26767] " " "T" "C" "T" "G" "G" "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "A" "C" "G"
## [26785] "A" "A" "A" "T" "A" "T" "A" "T" "A" "T" "A" "T" "A" "G" "T" "T" "T" "T" "T"
  [26803] "T" "C" "T" "G" "T" "T" "T" "G" "G" "A" "A" "A" "C" "T" "T" "T" "A" "A" "T"
  [26821] "T" "T" "T" "A" "G" "C" "C" "A" "T" "G" "G" "C" "A" "G" "A" "T" "T" "T" "
  [26839] "C" "C" "A" "A" "C" "G" "G" "T" "A" "C" "T" "A" "T" "A" "T" "A" "C" "C" "G"
## [26857] "T" "T" "G" "A" "A" "G" "A" "G" "C" "T" "T" "A" "A" "A" "A" "A" "A" "G" "C"
## [26875] "T" "C" "C" "T" "T" "G" "A" "A" "C" "A" "A" "T" "G" "G" "A" "A" "C" "C"
## [26893] "T" "A" "G" "T" "A" "A" "T" "A" "G" "G" "T" "T" "T" "C" "C" "T" " " "A"
## [26911] "T" "T" "C" "C" "T" "T" "A" "C" "A" "T" "G" "G" "A" "T" "T" "T" "T" "G" "T"
## [26929] "C" "T" "T" "C" "T" "A" "C" "A" "A" "T" "T" "T" "G" "C" "C" "T" "A" "T"
## [26947] "G" "C" "C" "A" "A" "C" "A" "G" "G" "A" "A" "T" "A" "G" "G" "T" "T" "T"
  ## [26983] "A" "A" "T" "T" "T" "T" "C" "C" "T" "G" "T" "G" "G" "C" "T" "G" "T" "T"
  [27001] "A" "T" "G" "G" "C" "C" "A" "G" "T" "A" "A" "C" "T" "T" "T" "A" "G" "C"
## [27019] "T" "T" "G" "T" "T" "T" "G" "T" "G" "C" "T" "T" "G" "C" "T" "G" "C"
## [27037] "T" "G" "T" "T" "T" "A" "C" "A" "G" "A" "A" "T" "A" "A" " " "A" "T" "T"
## [27055] "G" "G" "A" "T" "C" "A" "C" "G" "G" "G" "G" "G" "A" "A" "T" "T" "G"
  [27073] "C" "T" "A" "T" "C" "G" "C" "A" "A" "T" "G" "G" "C" "T" "T" "G" "C"
## [27091] "T" "T" "G" "T" "A" "G" "G" "C" "T" "T" "G" "A" "T" "G" "T" "G" "G" "C"
## [27109] "T" "C" "A" "G" "C" "T" "A" "C" "T" "C" "A" "T" " " "T" "G" "C" "T"
## [27127] "T" "C" "T" "T" "T" "C" "A" "G" "A" "C" "T" "G" "T" "T" "T" "G" "C" "G"
## [27145] "C" "G" "T" "A" "C" "G" "C" "G" "T" "T" "C" "C" "A" "T" "G" "T" "G" "G"
## [27163] "T" "C" "A" "T" "T" "C" "A" "A" "T" "C" "C" "A" "G" "A" "A" "A" "A" "C" "T"
## [27181] "A" "A" "C" "A" "T" "T" "C" "T" "C" "T" "C" " T" "C" " " "A" "A" "C" "G" "T"
## [27199] "G" "C" "C" "A" "C" "T" "C" "C" "A" "T" "G" "G" "C" "A" "C" "T" "A" "T"
## [27217] "T" "C" "T" "G" "A" "C" "C" "A" "G" "A" "C" "C" "G" "C" "T" "T" "C" "T"
## [27235] "A" "G" "A" "A" "A" "G" "T" "G" "A" "A" "C" "T" "C" "G" "T" "A" "A" "T"
## [27253] "C" "G" "G" "A" "G" "C" "T" "G" "T" "G" "A" " " "T" "C" "C" "T" "T" "C"
## [27271] "G" "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "C" "G" "T" "A" "T" "T" "G"
## [27289] "C" "T" "G" "G" "A" "C" "A" "C" "A" "T" "C" "T" "A" "G" "G" "A" "C"
## [27307] "G" "C" "T" "G" "T" "G" "A" "C" "A" "T" "C" "A" "A" "G" "G" "A" "C" "C"
## [27325] "T" "G" "C" "C" "T" "A" "A" "A" "G" "A" " " "A" "A" "T" "C" "A" "C" "T"
  [27343] "G" "T" "T" "G" "C" "T" "A" "C" "A" "T" "C" "A" "C" "G" "A" "A" "C" "G"
## [27361] "C" "T" "T" "T" "C" "T" "T" "A" "T" "A" "C" "A" "A" "A" "A" "T" "T" "G"
  [27379] "G" "G" "A" "G" "C" "T" "T" "C" "G" "C" "A" "G" "C" "G" "T" "G" "T" "A"
## [27397] "G" "C" "A" "G" "G" "T" "G" "A" "C" " " "T" "C" "A" "G" "G" "T" "T" "T"
          "T" "G" "C" "T" "G" "C" "A" "T" "A" "C" "A" "G" "T" "C" "G" "T" "A"
## [27415]
## [27433] "C" "A" "G" "G" "A" "T" "T" "G" "G" "C" "A" "A" "C" "T" "A" "T" "A" "A"
## [27451] "A" "T" "T" "A" "A" "A" "C" "A" "C" "A" "C" "A" "C" "A" "T" "T" "C"
## [27469] "C" "A" "G" "T" "A" "G" "C" "A" " "G" "T" "G" "A" "C" "A" "A" "T" "A"
```

```
## [27487] "T" "T" "G" "C" "T" "T" "T" "G" "C" "T" "T" "G" "T" "A" "C" "A" "G" "T"
  [27505] "A" "A" "G" "T" "G" "A" "C" "A" "C" "A" "G" "A" "T" "G" "T" "T"
## [27523] "C" "A" "T" "C" "T" "C" "G" "T" "T" "G" "A" "C" "T" "T" "T" "C" "A" "G"
## [27541] "G" "T" "T" "A" "C" "T" "A" " " "T" "A" "G" "C" "A" "G" "A" "G" "A" "T"
## [27559] "A" "T" "T" "A" "C" "T" "A" "A" "T" "T" "A" "T" "T" "A" "T" "G" "A" "G"
## [27577] "G" "A" "C" "T" "T" "T" "T" "A" "A" "A" "G" "T" "T" "T" "C" "C" "A" "T"
## [27595] "T" "T" "G" "G" "A" "A" "T" "C" "T" "T" "G" "A" "T" "T" "A" "C" "A" "T"
## [27613] "C" "A" "T" "A" "A" "A" " " "C" "C" "T" "C" "A" "T" "A" "A" "T" "T" "A"
## [27631] "A" "A" "A" "A" "T" "T" "T" "A" "T" "C" "T" "A" "A" "G" "T" "C" "A" "C"
[27667] "C" "T" "C" "A" "A" "T" "T" "A" "G" "A" "T" "G" "A" "A" "G" "A" "G" "C"
## [27685] "A" "A" "C" "C" "A" " "A" "T" "G" "G" "A" "G" "A" "T" "T" "G" "A" "T"
## [27703] "T" "A" "A" "A" "C" "G" "A" "A" "C" "G" "A" "T" "G" "A" "A" "A" "A" "A" "T" "T"
## [27721] "A" "T" "T" "C" "T" "T" "T" "C" "T" "G" "G" "G" "C" "A" "C" "T" "G"
## [27739] "A" "T" "A" "A" "C" "A" "C" "T" "C" "G" "C" "T" "A" "C" "T" "T" "G" "T"
## [27757] "G" "A" "G" "C" " "T" "T" "T" "A" "T" "C" "A" "C" "T" "A" "C" "C" "A"
## [27775] "A" "G" "A" "G" "T" "G" "T" "G" "T" "A" "G" "A" "G" "G" "T" "A" "C"
## [27793] "A" "A" "C" "A" "G" "T" "A" "C" "T" "T" "T" "T" "A" "A" "A" "A" "A" "G" "A"
## [27811] "A" "C" "C" "T" "T" "G" "C" "T" "C" "T" "C" "T" "G" "G" "A" "A" "C"
## [27829] "A" "T" "A" " " "C" "G" "A" "G" "G" "G" "C" "A" "A" "T" "T" "C" "A" "C"
## [27847] "C" "A" "T" "T" "T" "C" "A" "T" "C" "C" "T" "C" "T" "A" "G" "C" "T" "G"
## [27865] "A" "T" "A" "A" "C" "A" "A" "A" "T" "T" "T" "G" "C" "A" "C" "T" "G" "A"
## [27883] "C" "T" "T" "G" "C" "T" "T" "T" "A" "G" "C" "A" "C" "T" "C" "A" "A" "T"
## [27901] "T" "T" " "G" "C" "T" "T" "T" "T" "G" "C" "T" "T" "G" "T" "C" "C" "T"
## [27919] "G" "A" "C" "G" "G" "C" "G" "T" "A" "A" "A" "A" "C" "A" "C" "G" "T" "C"
  [27937] "T" "A" "T" "C" "A" "G" "T" "T" "A" "C" "G" "T" "G" "C" "C" "A" "G" "A"
## [27955] "T" "C" "A" "G" "T" "T" "T" "C" "A" "C" "T" "A" "A" "A" "A" "C" "T" "G"
## [27973] "T" " "T" "C" "A" "T" "C" "A" "G" "A" "C" "A" "A" "G" "A" "G" "A" "G" "A"
## [27991] "A" "G" "T" "T" "C" "A" "A" "G" "A" "A" "C" "T" "T" "T" "A" "C" "T" "C"
## [28009] "T" "C" "C" "A" "A" "T" "T" "T" "T" "T" "C" "T" "T" "A" "T" "T" "G" "T"
## [28027] "T" "G" "C" "G" "C" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T" "A" "T"
  [28045] " " "A" "A" "C" "A" "C" "T" "T" "T" "G" "C" "T" "T" "C" "A" "C" "A" "C"
  [28063] "T" "C" "A" "A" "A" "A" "G" "A" "A" "G" "A" "G" "A" "C" "A" "G" "A" "G" "A" "T"
## [28081] "G" "A" "T" "T" "G" "A" "A" "C" "T" "T" "C" "A" "T" "T" "T" "A" "A" "T"
## [28099] "T" "G" "A" "C" "T" "T" "C" "T" "A" "T" "T" "T" "G" "T" "G" "C" "T" "
## [28117] "T" "T" "T" "T" "A" "G" "C" "C" "T" "T" "T" "C" "T" "G" "C" "T" "A" "T"
## [28135] "T" "C" "C" "T" "T" "G" "T" "T" "T" "A" "A" "T" "T" "A" "T" "G" "C"
## [28171] "C" "A" "C" "T" "T" "G" "A" "A" "C" "T" "G" "C" "A" "A" "G" "A" " " "T"
  [28189] "C" "A" "T" "A" "A" "T" "G" "A" "A" "A" "C" "T" "T" "G" "T" "C" "A" "C"
##
  [28207] "G" "C" "C" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "T" "G" "A" "A" "A" "A"
## [28225] "T" "T" "T" "C" "T" "T" "G" "T" "T" "T" "T" "C" "T" "T" "A" "G" "A"
## [28243] "A" "T" "C" "A" "T" "C" "A" "C" "A" "C" "T" "G" "T" "A" " " "G" "C"
## [28261] "T" "G" "C" "A" "T" "T" "T" "C" "A" "C" "A" "A" "A" "G" "A" "A" "T" "G"
## [28279] "T" "A" "G" "T" "T" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T" "A" "C"
## [28297] "T" "T" "A" "A" "C" "A" "T" "C" "A" "A" "C" "C" "A" "T" "A" "T" "G" "T"
  [28315] "A" "G" "T" "T" "G" "A" "T" "G" "A" "C" "C" "C" "G" "T" " " "G" "T" "C"
  [28333] "C" "T" "A" "T" "T" "C" "A" "C" "T" "T" "C" "T" "A" "T" "A" "T" "T" "C" "T" "A"
  [28351] "A" "A" "T" "G" "G" "T" "A" "T" "A" "T" "A" "G" "A" "G" "A" "G" "T" "A" "G"
## [28369] "G" "A" "G" "C" "T" "A" "T" "A" "A" "A" "A" "T" "C" "A" "G" "C" "A" "C"
          "C" "T" "T" "T" "A" "A" "T" "T" "G" "A" "A" "T" "T" "T" " "G" "T" "G" "C"
## [28387]
## [28405] "G" "T" "G" "G" "A" "T" "G" "A" "G" "G" "C" "T" "G" "G" "T" "T" "C" "T"
## [28423] "T" "A" "A" "T" "C" "A" "C" "C" "C" "A" "T" "T" "C" "A" "G" "T" "G" "C"
## [28441] "A" "T" "C" "G" "A" "T" "A" "T" "C" "G" "G" "T" "A" "A" "T" "T" "A" "T"
```

```
## [28459] "A" "C" "A" "G" "T" "T" "T" "C" "C" "T" "G" "T" " " "T" "T" "A" "C" "C"
  [28477] "T" "T" "T" "T" "A" "C" "A" "A" "T" "T" "A" "A" "T" "T" "G" "C" "C" "A"
  [28495] "G" "G" "A" "A" "C" "C" "T" "A" "A" "A" "T" "T" "G" "G" "G" "T" "A" "G"
  [28513] "T" "C" "T" "T" "G" "T" "A" "G" "T" "G" "C" "G" "T" "T" "T" "G" "T" "T" "C"
  [28531] "G" "T" "T" "C" "T" "A" "T" "G" "A" "A" "G" " " "A" "C" "T" "T" "T" "T"
## [28549] "T" "A" "G" "A" "G" "T" "A" "T" "C" "A" "T" "G" "A" "C" "G" "T" "T" "C"
## [28585] "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "A" "A" "C" "T" "A" "A" "A"
  [28603] "A" "T" "G" "T" "C" "T" "C" "T" "A" "A" " " "A" "T" "G" "G" "A" "C" "C"
  [28621] "C" "C" "A" "A" "A" "A" "T" "C" "A" "G" "C" "G" "A" "A" "A" "A" "T" "G" "C"
  [28639] "A" "C" "C" "C" "C" "G" "C" "A" "T" "T" "A" "C" "G" "T" "T" "T" "G" "G"
## [28657] "T" "G" "G" "A" "C" "C" "C" "T" "C" "A" "G" "A" "T" "T" "C" "A" "A" "C"
## [28675] "T" "G" "G" "C" "A" "G" "T" "A" "A" " " " "C" "C" "A" "G" "A" "A" "T" "G"
## [28693] "G" "A" "G" "A" "A" "C" "G" "C" "A" "G" "T" "G" "G" "G" "G" "C" "G" "C"
## [28711] "G" "A" "T" "C" "A" "A" "A" "C" "A" "A" "C" "G" "T" "C" "G" "G" "C"
## [28729] "C" "C" "C" "A" "A" "G" "G" "T" "T" "A" "C" "C" "C" "A" "A" "T" "A"
  [28747] "A" "T" "A" "C" "T" "G" "C" "G" " " "T" "C" "T" "T" "G" "G" "T" "T" "C"
  [28765] "A" "C" "C" "G" "C" "T" "C" "T" "C" "A" "C" "T" "C" "A" "A" "A" "C" "A" "T"
## [28783] "G" "G" "C" "A" "A" "G" "G" "A" "A" "G" "A" "C" "C" "T" "T" "A" "A" "A" "A"
## [28801] "T" "T" "C" "C" "C" "T" "C" "G" "A" "G" "G" "A" "C" "A" "A" "G" "G" "C"
## [28819] "G" "T" "T" "C" "C" "A" "A" " " " "T" "T" "A" "A" "C" "A" "C" "C" "A" "A"
## [28837] "T" "A" "G" "C" "A" "G" "T" "C" "C" "A" "G" "A" "T" "G" "A" "C" "C" "A"
## [28855] "A" "A" "T" "T" "G" "G" "C" "T" "A" "C" "T" "A" "C" "C" "G" "A" "A" "G"
## [28873] "A" "G" "C" "T" "A" "C" "C" "A" "G" "A" "C" "G" "A" "A" "T" "T" "C" "G"
[28909] "T" "G" "A" "A" "A" "G" "A" "T" "C" "T" "C" "A" "G" "T" "C" "C" "A" "A"
## [28927] "G" "A" "T" "G" "G" "T" "A" "T" "T" "C" "T" "A" "C" "T" "A" "C" "C"
  [28945] "T" "A" "G" "G" "A" "A" "C" "T" "G" "G" "G" "C" "C" "A" "G" "A" "A" "G"
## [28963] "C" "T" "G" "G" "A" " " "C" "T" "T" "C" "C" "C" "T" "A" "T" "G" "G" "T"
## [28981] "G" "C" "T" "A" "A" "C" "A" "A" "G" "A" "C" "G" "G" "G" "C" "A" "T" "C"
## [28999] "A" "T" "A" "T" "G" "G" "G" "T" "T" "G" "C" "A" "A" "C" "T" "G" "A" "G"
  [29017] "G" "G" "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "A" "C" "A" "C" "C" "A"
  [29035] "A" "A" "A" "G" " " "A" "T" "C" "A" "C" "A" "T" "T" "G" "G" "C" "A" "C"
## [29053] "C" "C" "G" "C" "A" "A" "T" "C" "C" "T" "G" "C" "T" "A" "A" "C" "A" "A"
## [29071] "T" "G" "C" "T" "G" "C" "A" "A" "T" "C" "G" "T" "G" "C" "T" "A" "C" "A"
## [29089] "A" "C" "T" "T" "C" "C" "T" "C" "A" "A" "G" "G" "A" "A" "C" "A" "A" "C"
## [29107] "A" "T" "T" " " "G" "C" "C" "A" "A" "A" "A" "G" "G" "C" "T" "T" "C" "T"
## [29125] "A" "C" "G" "C" "A" "G" "A" "G" "G" "G" "G" "A" "G" "C" "A" "G" "A" "G"
## [29143] "G" "C" "G" "G" "C" "A" "G" "T" "C" "A" "A" "G" "C" "C" "T" "C" "T" "T"
  [29161] "C" "T" "C" "G" "T" "T" "C" "C" "T" "C" "A" "T" "C" "A" "C" "A" "C" "G" "T" "A"
##
  [29179] "G" "T" " "C" "G" "C" "A" "A" "C" "A" "G" "T" "T" "C" "A" "A" "G" "A"
## [29215] "A" "G" "T" "A" "A" "A" "C" "C" "A" "A" "C" "T" "T" "C" "T" "C" "C" "T"
## [29233] "G" "C" "T" "A" "G" "A" "A" "T" "G" "G" "C" "T" "G" "G" "C" "A" "A" "T"
## [29251] "G" " "G" "C" "G" "G" "T" "G" "A" "T" "G" "C" "T" "G" "C" "T" "C" "T"
## [29269] "T" "G" "C" "T" "T" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "T" "G" "A"
  [29287] "C" "A" "G" "A" "T" "T" "G" "A" "A" "C" "C" "A" "G" "C" "T" "T" "G" "A"
## [29305] "G" "A" "G" "C" "A" "A" "A" "A" "T" "G" "T" "T" "T" "G" "G" "T" "A" "A"
  ## [29341] "G" "C" "C" "A" "A" "A" "C" "T" "G" "T" "C" "A" "C" "T" "A" "A" "G" "A"
         "A" "A" "T" "C" "T" "G" "C" "T" "G" "C" "T" "G" "A" "G" "G" "C" "T" "T"
## [29359]
## [29377] "C" "T" "A" "A" "G" "A" "A" "G" "C" "C" "T" "C" "G" "G" "C" "A" "A" "
## [29395] "A" "A" "A" "C" "G" "T" "A" "C" "T" "G" "C" "C" "A" "C" "T" "A" "A" "A"
## [29413] "G" "C" "A" "T" "A" "C" "A" "A" "T" "G" "T" "A" "A" "C" "A" "C" "A" "A" "A"
```

```
[29467] "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "G" "A" "C" "C" "A" "G" "G" "A"
## [29485] "A" "C" "T" "A" "A" "T" "C" "A" "G" "A" "C" "A" "A" "G" "G" "A" "A" "C"
## [29503] "T" "G" "A" "T" "T" "A" "C" "A" "A" "A" "C" "A" "T" "T" "G" "G" "C" "C"
## [29521] "G" "C" "A" "A" "A" "T" "T" "G" "C" "A" "C" "A" "A" "T" "T" " " "T" "G"
## [29539] "C" "C" "C" "C" "C" "A" "G" "C" "G" "C" "T" "T" "C" "A" "G" "C" "G" "T"
## [29557] "T" "C" "T" "T" "C" "G" "G" "A" "A" "T" "G" "T" "C" "G" "C" "G" "C" "A"
  [29575] "T" "T" "G" "G" "C" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "C" "A" "C"
  [29593] "C" "T" "T" "C" "G" "G" "G" "A" "A" "C" "G" "T" "G" "G" " " " "T" "T" "G"
  [29611] "A" "C" "C" "T" "A" "C" "A" "C" "A" "G" "G" "T" "G" "C" "C" "A" "T" "C"
## [29629] "A" "A" "A" "T" "T" "G" "G" "A" "T" "G" "A" "C" "A" "A" "A" "G" "A" "T"
## [29647] "C" "C" "A" "A" "A" "T" "T" "T" "C" "A" "A" "A" "G" "A" "T" "C" "A" "A"
## [29665] "G" "T" "C" "A" "T" "T" "T" "T" "G" "C" "T" "G" "A" " " "A" "T" "A" "A"
## [29683] "G" "C" "A" "T" "A" "T" "T" "G" "A" "C" "G" "C" "A" "T" "A" "C" "A" "A"
## [29701] "A" "A" "C" "A" "T" "T" "C" "C" "C" "A" "C" "C" "A" "A" "C" "A" "G" "A"
  ## [29737] "G" "A" "A" "G" "A" "A" "G" "G" "C" "T" "G" "A" " " "T" "G" "A" "A" "A" "A"
## [29755] "C" "T" "C" "A" "A" "G" "C" "C" "T" "T" "A" "C" "C" "G" "C" "A" "G" "A"
## [29773] "G" "A" "C" "A" "G" "A" "A" "G" "A" "A" "A" "C" "A" "G" "C" "A" "A" "A" "A"
## [29791] "C" "T" "G" "T" "G" "A" "C" "T" "C" "T" "C" "T" "T" "C" "T" "C" "T" "G"
## [29809] "C" "T" "G" "C" "A" "G" "A" "T" "T" "T" "G" " " "G" "A" "T" "G" "A" "T"
## [29827] "T" "T" "C" "T" "C" "C" "A" "A" "A" "C" "A" "A" "T" "T" "G" "C" "A" "A" "A"
## [29845] "C" "A" "A" "T" "C" "C" "A" "T" "G" "A" "G" "C" "A" "G" "T" "G" "T"
## [29863] "G" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "G" "G" "C" "C" "T" "A" "A"
## [29881] "A" "C" "T" "C" "A" "T" "G" "C" "A" "G" " " "A" "C" "C" "A" "C" "A" "C"
## [29899] "A" "A" "G" "G" "C" "A" "G" "A" "T" "G" "G" "G" "C" "T" "A" "T" "A" "T"
## [29917] "A" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G" "C" "T" "T" "T" "T" "C" "C"
## [29935] "G" "T" "T" "T" "A" "C" "G" "A" "T" "A" "T" "A" "T" "A" "G" "T" "C" "T"
## [29953] "A" "C" "T" "C" "T" "T" "G" "T" "G" " " "C" "A" "G" "A" "A" "T" "G" "A"
## [29971] "A" "T" "T" "C" "T" "C" "G" "T" "A" "A" "C" "T" "A" "C" "A" "T" "A" "G"
## [29989] "C" "A" "C" "A" "A" "G" "T" "A" "G" "T" "A" "T" "G" "T" "A" "G" "T" "A" "G"
## [30007] "A" "C" "T" "T" "T" "A" "A" "T" "C" "T" "C" "A" "C" "A" "T" "A" "G" "C"
## [30025] "A" "A" "T" "C" "T" "T" "T" "A" " " "A" "T" "C" "A" "G" "T" "G" "T" "G"
## [30043] "T" "A" "A" "C" "A" "T" "T" "A" "G" "G" "G" "A" "G" "G" "A" "C" "T" "T"
## [30061] "G" "A" "A" "A" "G" "A" "G" "C" "C" "A" "C" "A" "C" "A" "T" "T" "T"
## [30079] "T" "C" "A" "C" "C" "G" "A" "G" "G" "C" "C" "A" "C" "G" "C" "G" "G" "A"
## [30097] "G" "T" "A" "C" "G" "A" "T" " " "C" "G" "A" "G" "T" "G" "T" "A" "C" "A"
## [30115] "G" "T" "G" "A" "A" "C" "A" "A" "T" "G" "C" "T" "A" "G" "G" "G" "A" "G"
## [30133] "A" "G" "C" "T" "G" "C" "C" "T" "A" " "
print(paste("Longitud de secuencia"))
## [1] "Longitud de secuencia"
lengthAlpha
## [1] 30142
print(paste("Porcentaje de GC en secuencia"))
## [1] "Porcentaje de GC en secuencia"
percentageGC_Alpha
```

## [29431] "G" "C" "T" "T" "T" "C" "G" "G" "C" "A" "G" "A" "C" "G" "T" "G" "G" "T"

## [1] "GC : 37.4527237741358%"

```
print(paste("Porcentaje de Bases en secuencia"))
## [1] "Porcentaje de Bases en secuencia"
percentageBasesAlpha
## [1] 29.87516 18.35986 19.62850 32.13649
print("Secuencia al reves")
## [1] "Secuencia al reves"
print(reverseAlpha)
      [1] " "A" "T" "C" "C" "G" "T" "C" "G" "A" "G" "A" "G" "G" "G" "A" "T" "C"
      [19] "G" "T" "A" "A" "C" "A" "A" "G" "T" "G" "A" "C" "A" "T" "G" "T" "G" "A"
##
      [37] "G" "C" " " "T" "A" "G" "C" "A" "T" "G" "A" "G" "G" "C" "G" "C" "G" "C" "A" "C"
      [55] "C" "G" "G" "A" "G" "C" "C" "A" "C" "T" "T" "T" "T" "A" "C" "A" "C" "C"
##
##
      [73] "A" "C" "C" "G" "A" "G" "A" "A" "A" "G" "T" "T" "C" "A" "G" "G" "A" "G"
      [91] "G" "G" "A" "T" "T" "A" "C" "A" "A" "T" "G" "T" "G" "T" "G" "A" "C" "T"
##
     [109] "A" " " "A" "T" "T" "T" "C" "T" "A" "A" "C" "G" "A" "T" "A" "C" "A" "C"
##
     [127] "T" "C" "T" "A" "A" "T" "T" "T" "C" "A" "A" "T" "T" "G" "A" "T" "G" "A" "T"
##
     [145] "A" "G" "A" "T" "G" "A" "A" "C" "A" "C" "G" "A" "T" "A" "C" "A" "T" "C"
##
     [163] "A" "A" "T" "G" "C" "T" "C" "T" "T" "A" "A" "G" "T" "A" "A" "G" "A" "C"
##
##
     [181] " " "G" "T" "G" "T" "T" "C" "T" "C" "A" "T" "C" "T" "G" "A" "T" "A" "T"
     [199] "A" "T" "A" "G" "C" "A" "T" "T" "T" "G" "C" "C" "T" "T" "T" "T" "C" "G"
##
     [217] "C" "T" "T" "T" "T" "G" "C" "A" "A" "A" "T" "A" "T" "A" "T" "A" "T" "C" "G" "G"
##
     ##
     [253] "G" "A" "C" "G" "T" "A" "C" "T" "C" "A" "A" "A" "T" "C" "C" "G" "G" "A"
##
     [271] "C" "T" "C" "A" "A" "C" "T" "C" "A" "G" "T" "C" "G" "T" "G" "A" "C" "G"
     [289] "A" "G" "T" "A" "C" "C" "T" "A" "A" "C" "A" "A" "C" "G" "T" "T" "A" "A"
##
     [307] "C" "A" "A" "A" "C" "C" "T" "C" "T" "T" "T" "A" "G" "T" "A" "G" " " " "G"
##
     [325] "T" "T" "A" "G" "A" "C" "G" "T" "C" "G" "T" "C" "C" "T" "T" "C" "T"
##
     [343] "T" "C" "T" "C" "A" "G" "T" "G" "T" "C" "A" "A" "A" "C" "G" "A" "C" "A"
##
##
     [361] "A" "A" "G" "A" "A" "G" "A" "C" "A" "G" "A" "G" "A" "C" "G" "C" "C" "A"
     [379] "T" "T" "C" "C" "G" "A" "A" "C" "T" "C" "A" "A" "A" "G" "T" " " "A" "G"
##
     ##
     [415] "G" "A" "A" "A" "A" "A" "T" "C" "C" "G" "A" "G" "A" "C" "A" "A" "C" "A" "A" "C" "C"
##
     [433] "A" "C" "C" "C" "T" "T" "A" "C" "A" "A" "A" "A" "A" "C" "A" "T" "A" "C" "G"
##
##
     [451] "C" "A" "G" "T" "T" "A" "T" "A" "C" "G" "A" "A" "T" "A" " T" "A" "G" "T"
     [469] "C" "G" "T" "T" "T" "T" "A" "C" "T" "G" "A" "A" "C" "T" "A" "G" "A" "A"
##
     [487] "A" "C" "T" "T" "T" "A" "A" "A" "C" "C" "T" "A" "G" "A" "A" "A" "A" "C" "A"
##
     [505] "G" "T" "A" "G" "G" "T" "T" "A" "A" "A" "C" "T" "A" "C" "C" "G" "T" "G"
##
     [523] "G" "A" "C" "A" "C" "A" "T" "C" "C" "A" "G" "T" "T" " " " "G" "G" "T" "G"
##
     [541] "C" "A" "A" "G" "G" "G" "C" "T" "T" "C" "C" "A" "C" "A" "C" "T" "G" "A"
##
     [559] "A" "G" "G" "T" "A" "C" "G" "G" "T" "T" "A" "C" "G" "C" "G" "C" "T" "G"
##
     [577] "T" "A" "A" "G" "G" "C" "T" "T" "C" "T" "T" "G" "C" "G" "A" "C" "T" "T"
##
     [595] "C" "G" "C" "G" "A" "C" "C" "C" "C" "C" "G" "T" " "T" "T" "A" "A" "C"
##
     [613] "A" "C" "G" "T" "T" "A" "A" "A" "C" "G" "C" "C" "G" "G" "T" "T" "A" "C"
##
     [631] "A" "A" "A" "C" "A" "T" "T" "A" "G" "T" "C" "A" "A" "G" "G" "A" "A" "C"
##
     [649] "A" "G" "A" "C" "T" "A" "A" "T" "C" "A" "A" "G" "G" "A" "C" "C" "A" "G"
     [667] "G" "G" "G" "T" "T" "T" "T" "A" "A" "A" "G" " " "G" "A" "A" "C" "C" "C"
##
     [685] "A" "A" "A" "C" "A" "A" "G" "A" "C" "C" "T" "G" "G" "T" "G" "C" "A" "G"
##
     [703] "A" "C" "G" "G" "C" "T" "T" "T" "C" "G" "A" "A" "C" "A" "C" "A" "A" "T"
##
     [721] "G" "T" "A" "A" "C" "A" "T" "A" "C" "G" "A" "A" "A" "T" "C" "A" "C" "C"
##
     [739] "G" "T" "C" "A" "T" "G" "C" "A" "A" "A" " "A" "A" "C" "G" "G" "C" "T"
##
```

```
[757] "C" "C" "G" "A" "A" "G" "A" "A" "T" "C" "T" "T" "C" "G" "G" "A" "G" "T"
##
     [775] "C" "G" "T" "C" "G" "T" "C" "T" "A" "A" "A" "G" "A" "A" "T" "C" "A" "C"
##
     [793] "T" "G" "T" "C" "A" "A" "A" "C" "C" "G" "G" "A" "A" "C" "A" "A" "C" "A"
##
##
     [811] "A" "C" "A" "A" "C" "C" "G" "G" "A" " " "A" "A" "T" "G" "G" "T" "T" "T"
     [829] "G" "T" "A" "A" "A" "A" "C" "G" "A" "G" "A" "G" "T" "T" "C" "G" "A" "C"
##
     [847] "C" "A" "A" "G" "T" "T" "A" "G" "A" "C" "A" "G" "T" "T" "C" "G" "T" "C"
##
     [865] "G" "T" "C" "G" "T" "T" "T" "C" "G" "T" "T" "C" "T" "C" "G" "T" "C" "G"
##
     [883] "T" "A" "G" "T" "G" "G" "C" "G" " " "G" "T" "A" "A" "C" "G" "G" "T" "C"
##
     [901] "G" "G" "T" "A" "A" "G" "A" "T" "C" "G" "T" "C" "C" "T" "C" "T" "C"
##
     [919] "A" "A" "C" "C" "A" "A" "A" "T" "G" "A" "C" "G" "A" "C" "G" "G" "G" "A" "C"
##
     [937] "C" "T" "C" "A" "A" "C" "T" "T" "A" "A" "A" "G" "A" "A" "C" "T" "T" "G"
     [955] "A" "C" "A" "A" "C" "G" "C" " " "T" "G" "A" "T" "G" "C" "A" "C" "T" "A"
##
     [973] "C" "T" "C" "C" "T" "T" "G" "C" "T" "C" "T" "C" "T" "C" "T" "C" "T" "C" "G" "A"
     [991] "A" "C" "T" "G" "A" "C" "G" "G" "C" "G" "G" "A" "G" "A" "C" "G" "A" "G"
##
    [1009] "G" "G" "A" "A" "G" "A" "C" "G" "C" "A" "T" "C" "T" "T" "C" "G" "G" "A"
    [1027] "A" "A" "A" "C" "C" "G" " "T" "T" "A" "C" "A" "A" "C" "A" "A" "G" "G"
##
##
    [1045] "A" "A" "C" "T" "C" "C" "T" "T" "C" "A" "A" "C" "A" "T" "C" "G"
    [1063] "C" "T" "A" "A" "C" "G" "T" "C" "G" "T" "A" "A" "C" "A" "A" "T" "C" "G"
    [1081] "T" "C" "C" "T" "A" "A" "C" "G" "C" "C" "C" "A" "C" "G" "G" "T" "T" "A"
    [1099] "C" "A" "C" "T" "A" " "G" "A" "A" "A" "A" "C" "C" "A" "C" "A" "T" "A"
##
    [1117] "A" "G" "T" "T" "C" "C" "G" "A" "G" "G" "A" "G" "A" "G" "T" "C" "A" "A" "C"
##
    [1135] "G" "T" "T" "G" "G" "G" "T" "A" "T" "A" "C" "T" "A" "C" "G" "G" "C" "A"
##
    [1153] "G" "A" "A" "A" "C" "A" "A" "T" "C" "G" "T" "G" "G" "T" "A" "T" "C" "C"
##
    [1171] "C" "T" "T" "C" " " "A" "G" "G" "T" "C" "G" "A" "A" "G" "A" "C" "C" "G"
    [1189] "G" "G" "T" "C" "A" "A" "G" "G" "A" "T" "C" "C" "A" "T" "C" "A" "T" "C"
##
    [1207] "T" "T" "T" "A" "T" "G" "G" "T" "A" "G" "A" "A" "C" "C" "T" "G" "A" "C"
    [1225] "T" "C" "T" "A" "G" "A" "A" "A" "G" "T" "A" "A" "A" "A" "A" "T" "G" "G" "C"
    [1243] "A" "G" "T" " "G" "G" "T" "G" "G" "T" "G" "C" "T" "T" "A" "A" "G" "C"
    [1261] "A" "G" "A" "C" "C" "A" "T" "C" "G" "A" "G" "A" "A" "G" "C" "C" "A" "T"
##
    [1279] "C" "A" "T" "C" "G" "G" "T" "T" "A" "A" "A" "C" "C" "A" "G" "T" "A" "G"
    [1297] "A" "C" "C" "T" "G" "A" "C" "G" "A" "T" "A" "A" "C" "C" "A" "C" "A" "A"
##
    [1315] "T" "T" " " "A" "A" "C" "C" "T" "T" "G" "C" "G" "G" "A" "A" "A" "C" "A" "G"
##
    [1333] "G" "A" "G" "C" "T" "C" "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "A"
##
    [1351] "G" "A" "A" "G" "G" "A" "A" "C" "G" "G" "T" "A" "C" "A" "A" "C" "T" "C"
    [1369] "A" "C" "T" "C" "T" "C" "G" "C" "C" "A" "C" "T" "T" "G" "G" "T" "T" "C"
##
    [1387] "T" " " "G" "C" "G" "T" "C" "A" "T" "A" "A" "T" "A" "A" "A" "C" "C" "C" "A"
##
    [1405] "T" "T" "T" "G" "G" "A" "A" "C" "C" "C" "C" "G" "G" "C" "T" "G" "C" "A"
##
##
    [1423] "A" "C" "A" "A" "A" "A" "A" "C" "T" "A" "G" "C" "G" "C" "G" "G" "G" "G" "T"
    [1441] "G" "A" "C" "G" "C" "A" "A" "G" "A" "G" "G" "T" "A" "A" "G" "A" "C" "C"
##
    [1459] " " "A" "A" "T" "G" "A" "C" "G" "G" "T" "C" "A" "A" "C" "T" "T" "A" "G"
##
    [1477] "A" "C" "T" "C" "C" "C" "A" "G" "G" "T" "G" "G" "T" "T" "T" "T" "G" "C" "A"
    [1495] "T" "T" "A" "C" "G" "C" "C" "C" "C" "A" "C" "G" "T" "A" "A" "A" "G" "C"
    [1513] "G" "A" "C" "T" "A" "A" "A" "A" "C" "C" "C" "C" "A" "G" "G" "T" "A" " "
##
    [1531] "A" "A" "T" "C" "T" "C" "T" "G" "T" "A" "A" "A" "T" "C" "A" "A" "A" "A" "C"
    [1549] "A" "A" "G" "C" "A" "A" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "A" "G" "A"
    [1567] "T" "T" "T" "T" "G" "T" "G" "T" "G" "C" "T" "T" "G" "C" "A" "G" "T"
##
    [1585] "A" "C" "T" "A" "T" "G" "A" "G" "A" "T" "T" "T" "T" "T" "T" "C" "A" " " "G"
##
    [1603] "A" "A" "G" "T" "A" "T" "C" "T" "T" "G" "C" "T" "T" "G" "T" "T" "G" "C"
##
    [1621] "G" "T" "G" "A" "T" "G" "T" "T" "C" "T" "G" "A" "T" "G" "G" "G" "T" "T"
    [1639] "A" "A" "A" "T" "C" "C" "A" "A" "G" "G" "A" "C" "C" "G" "T" "T" "A" "A"
##
    [1657] "T" "T" "A" "A" "C" "A" "T" "T" "T" "T" "C" "C" "A" "T" "T" "T" "G"
##
    [1675] "T" "C" "C" "T" "T" "T" "G" "A" "C" "A" "T" "A" "T" "A" "T" "A" "A" "T" "G"
##
    [1693] "G" "C" "T" "A" "T" "A" "G" "C" "T" "A" "C" "G" "T" "G" "A" "C" "T" "T"
##
    [1711] "A" "C" "C" "C" "A" "C" "T" "A" "A" "T" "T" "C" "T" "T" "G" "G" "T" "C"
##
```

```
[1729] "G" "G" "A" "G" "T" "A" "G" "G" "T" "G" "C" "G" "T" "G" " T" "G" " T" "T" "A"
    [1747] "A" "G" "T" "T" "A" "A" "T" "T" "T" "C" "C" "A" "C" "G" "A" "C" "T" "A"
##
    [1765] "A" "A" "A" "T" "A" "T" "C" "G" "A" "G" "G" "A" "T" "G" "A" "G" "A" "T"
    [1783] "T" "A" "T" "A" "T" "G" "G" "T" "A" "A" "A" "T" "C" "T" "T" "A" "T" "C"
    [1801] "T" "T" "C" "A" "C" "T" "T" "A" "T" "C" "C" "T" "G" " " "T" "G" "C" "C"
    [1819] "C" "A" "G" "T" "A" "G" "T" "T" "G" "A" "T" "G" "T" "A" "T" "A" "C" "C"
##
    [1837] "A" "A" "C" "T" "A" "C" "A" "A" "T" "T" "C" "A" "T" "G" "T" "A" "C" "T"
    [1855] "G" "A" "C" "A" "T" "T" "T" "G" "A" "T" "G" "T" "A" "A" "A" "G" "A" "A" "C"
##
    [1873] "C" "A" "C" "T" "T" "T" "A" "C" "G" "T" "C" "G" " " " "A" "T" "G" "T" "C"
    [1891] "A" "A" "C" "A" "C" "T" "A" "C" "T" "A" "A" "G" "G" "A" "T" "T" "C" "T"
##
    [1909] "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "A" "A" "A" "G" "T" "A" "C" "A"
    [1927] "A" "G" "C" "A" "A" "A" "T" "C" "C" "G" "C" "A" "C" "T" "G" "T" "T" "C"
    [1945] "A" "A" "A" "G" "T" "A" "A" "T" "A" "C" "T" " " "A" "G" "A" "A" "C" "G"
    [1963] "T" "C" "A" "A" "G" "T" "T" "C" "A" "C" "T" "C" "T" "T" "G" "G" "T" "T"
##
    [1981] "T" "T" "C" "T" "A" "T" "T" "A" "T" "T" "C" "G" "T" "A" "T" "T" "A" "A"
    [1999] "T" "T" "T" "T" "G" "T" "T" "C" "C" "T" "T" "A" "T" "C" "G" "T" "C" "T"
##
##
    [2017] "T" "T" "C" "C" "G" "A" "T" "T" "T" "T" "T" " "T" "C" "G" "T" "G" "T" "T"
    [2035] "T" "A" "T" "C" "T" "T" "C" "A" "G" "T" "T" "A" "A" "T" "T" "A" "C" "T"
##
    [2053] "T" "T" "C" "A" "A" "G" "T" "T" "A" "G" "T" "A" "G" "A" "G" "A" "G"
    [2071] "A" "A" "A" "G" "A" "A" "A" "A" "C" "T" "C" "A" "C" "A" "C" "T" "T" "C"
##
    [2089] "G" "T" "T" "T" "C" "A" "C" "A" "A" " " "T" "A" "T" "T" "T" "T" "G"
##
    [2107] "A" "T" "A" "A" "C" "G" "G" "C" "G" "T" "T" "G" "T" "T" "A" "T" "T" "C"
##
    [2125] "T" "T" "T" "T" "T" "A" "A" "C" "C" "T" "C" "T" "C" "A" "T" "T" "T" "T" "C"
##
    [2143] "A" "A" "G" "A" "A" "C" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A" "A" "C"
    [2161] "A" "G" "A" "C" "T" "A" "C" "T" " "T" "G" "T" "C" "A" "A" "A" "A" "T" "C"
##
    [2179] "C" "A" "C" "T" "T" "T" "G" "A" "C" "T" "A" "G" "A" "C" "C" "G" "T" "G"
    [2197] "C" "A" "T" "T" "G" "A" "C" "T" "A" "T" "C" "T" "G" "C" "A" "C" "A" "A"
##
    [2215] "A" "A" "T" "G" "C" "G" "G" "C" "A" "G" "T" "C" "C" "T" "G" "T" "T" "C"
    [2233] "G" "T" "T" "T" "T" "C" "G" " " "T" "T" "T" "A" "A" "C" "T" "C" "A" "C"
##
    [2251] "G" "A" "T" "T" "T" "C" "G" "T" "T" "C" "A" "G" "T" "C" "A" "C" "G" "T"
    [2269] "T" "T" "A" "A" "A" "C" "A" "A" "T" "A" "G" "T" "C" "G" "A" "T" "C" "T"
##
    [2287] "C" "C" "T" "A" "C" "T" "T" "A" "C" "C" "A" "C" "T" "T" "A" "C"
##
    [2305] "G" "G" "G" "A" "G" "C" " " "A" "T" "A" "C" "A" "A" "G" "G" "T" "C" "T"
##
    [2323] "T" "C" "T" "C" "G" "T" "T" "C" "C" "A" "A" "G" "A" "A" "A" "A" "A" "A" "T" "T"
##
    [2341] "T" "T" "C" "A" "T" "G" "A" "C" "A" "A" "C" "A" "T" "G" "G" "A" "G" "A"
##
    [2359] "T" "T" "G" "T" "G" "T" "G" "A" "G" "A" "A" "C" "C" "A" "T" "C" "A" "C"
##
    [2377] "T" "A" "T" "T" "T" " " "C" "G" "A" "G" "T" "G" "T" "T" "C" "A" "T" "C"
##
##
    [2395] "G" "C" "T" "C" "A" "C" "A" "A" "T" "A" "G" "T" "C" "A" "C" "G" "G" "T"
    ##
    [2431] "A" "C" "A" "A" "G" "C" "A" "A" "A" "T" "T" "A" "G" "T" "T" "A" "G" "A"
##
    [2449] "G" "G" "T" "A" " "A" "C" "C" "A" "A" "C" "G" "A" "G" "A" "A" "G" "T"
    [2467] "A" "G" "A" "T" "T" "A" "A" "C" "T" "C" "T" "T" "A" "T" "A" "A" "A" "A" "T"
##
    [2485] "A" "A" "G" "A" "G" "T" "C" "A" "A" "T" "C" "A" "C" "T" "G" "A" "A" "T"
    ##
    [2521] "T" "C" "C" " " "A" "A" "A" "T" "A" "C" "T" "A" "C" "A" "T" "A" "G"
    [2539] "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "T" "A" "C" "C" "T" "T" "T" "G"
##
    [2557] "A" "A" "A" "T" "T" "T" "T" "C" "A" "G" "G" "A" "G" "T" "A" "T" "T" "A"
##
    [2575] "T" "T" "A" "A" "T" "C" "A" "T" "T" "A" "T" "A" "G" "A" "G" "A" "C" "G"
##
    [2593] "A" "T" " "A" "T" "C" "A" "T" "T" "G" "G" "A" "C" "T" "T" "T" "C" "A"
    [2611] "G" "T" "T" "G" "C" "T" "C" "T" "A" "C" "T" "T" "T" "T" "G" "T" "A" "G" "A"
##
    [2629] "C" "A" "A" "C" "A" "G" "T" "G" "A" "A" "T" "G" "A" "C" "A" "T" "G" "A"
##
    [2647] "T" "C" "G" "T" "T" "T" "C" "G" "T" "T" "A" "T" "A" "A" "C" "A" "G" "T"
##
    [2665] "G" " " "A" "C" "G" "A" "T" "G" "A" "C" "C" "T" "T" "A" "C" "C" "A" "G"
##
    [2683] "A" "C" "A" "C" "A" "A" "A" "T" "T" "A" "A" "A" "T" "A" "T" "C" "A" "A"
##
```

```
[2701] "C" "G" "G" "T" "T" "A" "G" "G" "A" "C" "A" "T" "C" "G" "C" "T" "G" "A"
    [2719] "C" "A" "T" "A" "C" "G" "T" "C" "G" "T" "T" "T" "T" "G" "G" "A" "C" "T"
##
    [2737] " " "C" "A" "G" "T" "G" "G" "A" "C" "G" "A" "T" "G" "T" "G" "C" "G" "A"
##
   [2755] "C" "G" "C" "T" "T" "C" "G" "A" "G" "G" "G" "T" "T" "A" "A" "A" "A" "C" "A"
##
   [2773] "T" "T" "A" "T" "T" "C" "T" "T" "C" "G" "C" "A" "A" "G" "C" "A" "C"
   [2791] "T" "A" "C" "A" "T" "C" "G" "T" "T" "G" "T" "C" "A" "C" "T" "A" "A" " "
##
   [2809] "A" "G" "A" "A" "A" "T" "C" "C" "G" "T" "C" "C" "A" "G" "G" "A" "A" "C"
   [2827] "T" "A" "C" "A" "G" "T" "G" "T" "C" "G" "C" "A" "G" "G" "A" "T" "C" "T"
##
    [2845] "A" "C" "C" "A" "C" "A" "G" "G" "T" "C" "G" "T" "T" "A" "T" "G" "C" "T"
##
         "T" "C" "T" "A" "C" "A" "G" "G" "T" "G" "C" "T" "T" "C" "C" "T" " "A"
##
   [2863]
    [2881] "G" "T" "G" "T" "C" "G" "A" "G" "G" "C" "T" "A" "A" "T" "G" "C" "T" "C"
   [2899] "A" "A" "G" "T" "G" "A" "A" "A" "G" "A" "T" "C" "T" "T" "C" "G" "C" "C"
##
   [2917] "A" "G" "A" "C" "C" "A" "G" "T" "C" "T" "T" "A" "T" "C" "A" "C" "G" "G"
   [2935] "T" "A" "C" "C" "T" "C" "A" "C" "C" "G" "T" "G" "C" "A" "A" " " "C" "T"
##
##
   [2953] "C" "T" "T" "C" "T" "T" "A" "C" "A" "A" "T" "C" "A" "A" "A" "A" "G" "A" "C"
   [2971] "C" "T" "A" "A" "C" "T" "T" "A" "C" "T" "G" "G" "T" "G" "T" "A" "C" "C"
##
##
   [2989]
         "T" "T" "G" "C" "G" "C" "A" "T" "G" "C" "G" "C" "G" "T" "T" "T" "T" "G" "T"
    [3007] "C" "A" "G" "A" "C" "T" "T" "T" "C" "T" "T" "C" "G" "T" " "T" "A" "C"
##
   [3025] "T" "T" "C" "A" "T" "C" "G" "A" "C" "T" "C" "G" "G" "T" "G" "T" "A" "G"
##
   [3043] "T" "T" "C" "G" "G" "A" "T" "G" "T" "T" "C" "T" "G" "T" "T" "C" "G" "G"
##
   [3061] "T" "A" "A" "C" "G" "C" "T" "A" "T" "C" "G" "T" "T" "A" "A" "G" "G" "T"
##
   [3079] "G" "G" "C" "C" "A" "C" "T" "A" "G" "G" "T" "T" "A" " " "A" "A" "T" "A"
   [3097] "A" "G" "A" "C" "A" "T" "T" "T" "G" "T" "C" "G" "T" "C" "G" "T" "C" "G" "T" "T" "C"
##
   ##
   [3133] "A" "T" "G" "A" "C" "C" "G" "G" "T" "A" "T" "T" "G" "T" "C" "G" "G" "T"
##
    [3151] "C" "T" "C" "C" "T" "T" "T" "T" "A" "A" "T" "T" "T" " " "G" "A" "A" "T" "T"
   ##
   [3187] "A" "G" "G" "A" "C" "A" "A" "C" "C" "G" "T" "A" "T" "C" "C" "G" "T" "T"
   [3205] "T" "A" "A" "C" "A" "T" "C" "T" "T" "C" "T" "G" "T" "T" "T" "T" "A" "G" "G"
##
   [3223] "T" "A" "C" "A" "T" "T" "C" "C" "T" "T" "A" " " "T" "C" "C" "T" "T" "T"
   [3241] "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "C" "C" "A" "A" "G" "G" "T" "A"
##
    [3259] "A" "C" "A" "A" "G" "T" "T" "C" "C" "T" "C" "G" "A" "A" "A" "A" "A" "A" "T"
##
   [3277] "T" "C" "G" "A" "G" "A" "A" "G" "T" "T" "G" "C" "C" "A" "T" "T" "A" "T"
##
   [3295] "C" "A" "T" "G" "G" "C" "A" "A" "C" "C" " " " "T" "T" "A" "G" "A" "C" "G"
##
   ##
   [3331] "A" "G" "G" "T" "T" "T" "G" "T" "C" "T" "T" "T" "T" "T" "T" "G" "A" "T" "T"
##
   ##
##
   [3367] "A" "T" "C" "T" "G" "G" "T" "C" "T" " " "T" "C" "T" "A" "G" "T" "C" "C"
   [3385] "T" "T" "G" "A" "G" "A" "T" "C" "T" "T" "C" "T" "T" "A" "A" "G" "T" "C"
##
   [3403] "T" "A" "A" "A" "A" "A" "T" "T" "G" "T" "G" "C" "T" "C" "T" "C" "A" "T"
##
   [3439] "A" "T" "G" "T" "T" "C" "T" "G" " " "A" "G" "T" "G" "C" "A" "A" "T" "T"
##
   [3457] "G" "T" "T" "A" "T" "A" "A" "C" "G" "T" "C" "G" "T" "C" "A" "T" "G" "C"
##
   [3475] "G" "T" "G" "T" "G" "T" "A" "G" "C" "T" "T" "C" "G" "C" "G" "C" "G" "C" "G" "T" "C"
   [3493] "A" "T" "T" "C" "C" "T" "A" "C" "C" "G" "A" "T" "C" "A" "C" "A" "T" "T"
   [3511] "G" "A" "T" "C" "G" "T" "T" " " "C" "T" "T" "A" "T" "G" "G" "T" "G" "C"
##
         "T" "T" "T" "C" "G" "T" "T" "C" "T" "T" "T" "T" "T" "C" "T" "C" "A"
##
    [3529]
   [3547] "T" "G" "C" "G" "A" "T" "A" "A" "T" "T" "G" "A" "T" "A" "A" "T" "G"
##
   [3565] "C" "A" "T" "G" "G" "A" "C" "A" "G" "A" "G" "A" "A" "G" "G" "C" "T" "T"
   [3583] "T" "G" "C" "T" "T" "A" " " "C" "T" "C" "A" "T" "G" "T" "A" "T" "T" "C"
##
   [3601] "A" "A" "G" "C" "A" "T" "G" "A" "G" "T" "A" "G" "T" "C" "G" "A" "A" "C"
##
   [3619] "A" "C" "G" "A" "A" "T" "G" "T" "T" "T" "C" "C" "G" "T" "G" "C" "G" "A"
##
   [3637] "T" "C" "A" "T" "C" "A" "G" "C" "A" "G" "C" "A" "G" "C" "A" "G" "C" "A" "G"
##
   [3655] "T" "A" "G" "T" "A" " " "T" "T" "T" "A" "A" "C" "C" "A" "A" "G" "G" "T"
##
```

```
[3673] "A" "A" "T" "G" "A" "C" "C" "T" "A" "A" "T" "T" "G" "T" "T" "G" "A" "G"
    [3691] "G" "C" "C" "T" "A" "C" "T" "T" "G" "G" "C" "A" "G" "C" "T" "A" "A" "A" "C"
##
    [3709] "A" "C" "A" "C" "T" "T" "A" "A" "A" "C" "C" "T" "G" "T" "A" "C" "A" "A"
##
   [3727] "G" "A" "A" "G" " " "T" "C" "C" "G" "A" "G" "T" "A" "G" "T" "T" "G" "T"
   [3745] "T" "A" "A" "A" "A" "T" "A" "A" "C" "A" "T" "C" "T" "A" "C" "T" "T" "C"
   [3763] "T" "T" "C" "C" "A" "T" "T" "G" "T" "A" "C" "A" "A" "G" "T" "T" "G" "T"
##
   [3799] "A" "C" "T" " " "C" "A" "A" "C" "T" "C" "A" "T" "G" "T" "C" "G" "A" "C"
##
    [3817] "C" "A" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "C" "A" "C" "A" "T" "T"
    [3835] "C" "A" "T" "T" "G" "A" "C" "A" "C" "A" "T" "T" "A" "T" "G"
##
    [3853] "T" "G" "T" "C" "A" "G" "A" "A" "A" "A" "T" "G" "A" "G" "G" "T" "C" "T"
   [3871] "A" "A" " "G" "G" "G" "T" "A" "A" "A" "A" "A" "G" "T" "C" "A" "T" "A"
##
    [3889] "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "G" "A" "C" "C" "A" "T" "C" "A"
   [3907] "G" "T" "A" "C" "A" "A" "G" "T" "C" "T" "T" "T" "A" "T" "C" "C" "T" "G"
##
   [3925] "A" "A" "C" "A" "A" "C" "A" "C" "G" "G" "G" "T" "A" "G" "T" "G" "G" "A" "C"
   [3943] "T" " "T" "C" "A" "T" "T" "A" "C" "T" "G" "T" "T" "A" "A" "C" "T" "T"
##
##
   [3961] "C" "T" "T" "C" "A" "A" "T" "G" "T" "G" "A" "T" "A" "A" "A" "C" "A" "T" "T"
    [3979] "C" "C" "A" "T" "A" "T" "G" "T" "T" "A" "T" "C" "A" "G" "C" "A" "T" "T"
##
   [3997] "G" "T" "T" "A" "A" "T" "C" "A" "T" "A" "C" "G" "G" "T" "C" "G" "T" "T"
   [4015] " " "T" "C" "T" "T" "T" "T" "A" "T" "C" "A" "A" "C" "C" "G" "T" "A" "G"
##
   ##
   [4051] "C" "C" "T" "T" "G" "C" "C" "G" "T" "A" "A" "A" "G" "G" "T" "C" "G" "T"
   [4069] "T" "T" "C" "G" "G" "T" "T" "T" "C" "G" "G" "A" "G" "T" "A" "A" "T" " "
##
   [4087] "A" "A" "T" "A" "A" "G" "A" "A" "T" "G" "T" "T" "T" "C" "A" "A" "A" "T"
   [4105] "A" "T" "G" "A" "G" "A" "C" "G" "T" "T" "C" "T" "T" "C" "A" "T" "C" "T"
##
   [4123] "G" "A" "T" "T" "T" "C" "G" "T" "A" "T" "T" "T" "C" "T" "A" "T" "C" "T"
   [4141] "C" "T" "T" "T" "T" "C" "C" "C" "C" "G" "A" "A" "G" "T" "T" "C" " "C"
   [4159] "G" "G" "T" "C" "G" "T" "C" "G" "T" "T" "G" "C" "T" "C" "G" "T" "T" "T"
   [4177] "T" "C" "C" "A" "C" "A" "C" "T" "C" "A" "T" "T" "T" "G" "A" "C" "A" "A"
##
   [4213] "A" "A" "C" "G" "T" "T" "T" "G" "T" "T" "T" "C" "A" "C" "T" " "T" "G"
##
   [4231] "T" "G" "G" "G" "A" "A" "C" "C" "T" "C" "T" "C" "A" "C" "G" "A" "T" "C"
##
   ##
   [4267] "C" "C" "A" "A" "T" "A" "C" "T" "A" "A" "A" "A" "C" "C" "T" "T" "C" "G"
##
   [4285] "C" "G" "A" "G" "A" "C" "T" "T" "T" "T" "T" "G" "T" "C" " " "G" "T" "T"
##
   [4303] "C" "T" "T" "C" "A" "C" "G" "T" "T" "G" "C" "G" "G" "T" "T" "G" "T" "T"
##
   [4321] "A" "T" "T" "C" "G" "G" "T" "A" "G" "G" "C" "T" "T" "T" "C" "C" "C" "T"
##
##
   [4339] "C" "A" "C" "T" "C" "C" "G" "A" "A" "C" "A" "T" "A" "G" "C" "C" "A" "T"
   [4357] "A" "G" "C" "A" "A" "C" "G" "T" "C" "A" "T" "C" "G" " " "C" "G" "C" "T"
##
   [4375] "T" "G" "T" "T" "T" "T" "A" "G" "A" "C" "T" "T" "C" "C" "T" "C" "A" "T"
##
   [4393] "C" "G" "T" "A" "G" "G" "A" "A" "C" "T" "A" "A" "A" "G" "T" "G" "G" "A"
   [4411] "A" "C" "G" "A" "A" "G" "T" "T" "T" "C" "A" "A" "T" "G" "T" "C" "A" "A"
##
   [4429] "G" "G" "T" "T" "A" "A" "C" "A" "C" "T" "T" "C" " " "T" "A" "A" "G" "A"
   [4447] "G" "T" "A" "T" "T" "T" "G" "T" "T" "T" "A" "G" "G" "T" "A" "T" "T" "C"
##
   [4465] "A" "A" "G" "C" "A" "A" "A" "T" "A" "C" "A" "C" "A" "T" "T" "A" "C" "A"
   [4483] "T" "T" "A" "A" "A" "C" "T" "G" "A" "G" "G" "A" "A" "A" "A" "C" "T" "C" "G"
##
         "T" "G" "A" "C" "C" "G" "A" "G" "T" "C" "T" " " "C" "A" "G" "C" "A" "G"
##
    [4501]
   [4519] "A" "A" "G" "T" "A" "G" "T" "T" "T" "A" "A" "A" "C" "G" "T" "C" "G" "T"
##
   [4537] "C" "C" "T" "A" "G" "G" "T" "G" "T" "T" "C" "T" "T" "G" "T" "T" "G" "T"
   [4555] "C" "G" "G" "G" "A" "A" "C" "T" "C" "T" "G" "T" "T" "G" "A" "T" "G" "T"
##
   [4573] "C" "G" "T" "T" "G" "A" "C" "C" "A" "G" " " "T" "A" "T" "G" "T" "C" "G"
##
   [4591] "T" "T" "T" "C" "G" "T" "A" "T" "T" "A" "A" "C" "A" "G" "T" "G" "G" "T"
##
   [4609] "A" "A" "T" "G" "A" "T" "A" "C" "C" "G" "T" "T" "A" "G" "T" "T" "C" "G"
##
   [4627] "G" "T" "C" "G" "A" "T" "A" "T" "T" "T" "T" "G" "G" "A" "T" "C" "G" "G"
##
```

```
[4645] "T" "T" "T" "A" "C" "A" "T" "G" "G" " " "T" "A" "C" "C" "G" "G" "T" "A"
   [4663] "A" "A" "A" "T" "A" "T" "A" "T" "G" "A" "C" "G" "A" "G" "T" "A" "T" "G"
##
   [4681] "A" "A" "A" "G" "G" "T" "T" "C" "A" "A" "G" "A" "A" "C" "C" "T"
##
   ##
   [4717] "T" "T" "T" "A" "A" "G" "A" "A" " " "C" "C" "G" "T" "T" "G" "G" "A" "G"
   [4735] "T" "A" "A" "C" "T" "C" "C" "G" "C" "C" "A" "G" "T" "T" "A" "A" "A" "A" "G"
##
   [4753] "A" "A" "A" "A" "A" "C" "T" "T" "A" "C" "A" "A" "A" "T" "G" "T" "T" "G"
   [4771] "A" "C" "T" "T" "C" "G" "T" "A" "A" "T" "T" "A" "C" "G" "G" "T" "C" "T"
##
   [4789] "C" "T" "A" "C" "A" "G" "T" " " "G" "G" "A" "T" "T" "T" "A" "G" "T" "T"
##
   [4807] "G" "T" "A" "G" "A" "C" "C" "A" "C" "T" "A" "C" "A" "T" "A" "C" "T" "A"
##
   [4843] "T" "G" "A" "G" "G" "A" "G" "G" "A" "A" "C" "T" "T" "A" "C" "T" "C" "A"
##
   [4861] "G" "A" "T" "T" "A" "A" " "" "G" "T" "C" "C" "A" "A" "C" "G" "T" "T" "T"
   [4879] "C" "C" "T" "A" "G" "T" "A" "T" "T" "T" "G" "A" "C" "A" "C" "A" "A" "C"
##
   [4897] "A" "A" "C" "T" "G" "T" "T" "A" "A" "G" "G" "A" "T" "A" "A" "T" "G" "T"
   [4915] "T" "G" "T" "A" "G" "T" "G" "T" "C" "A" "A" "T" "G" "G" "T" "C" "T" "G"
##
##
   ##
   [4969] "T" "A" "T" "T" "T" "T" "A" "A" "G" "G" "A" "A" "A" "A" "C" "A"
##
   [4987] "A" "T" "G" "T" "T" "T" "G" "G" "T" "C" "A" "C" "A" "C" "A" "C" "A" "C" "G" "G"
##
   [5005] "T" "A" "A" "A" " " "C" "T" "T" "T" "G" "T" "T" "T" "C" "T" "G" "T" "G"
##
   [5023] "G" "A" "A" "G" "T" "G" "C" "T" "C" "C" "T" "T" "T" "T" "C" "A" "C" "A" "C"
##
   [5041] "G" "A" "A" "A" "A" "G" "G" "T" "A" "G" "T" "A" "C" "T" "G" "T" "T" "T"
##
   [5059] "A" "C" "C" "G" "T" "C" "C" "T" "C" "G" "T" "C" "A" "A" "C" "A" "C" "A" "C" "T"
##
   ##
   [5095] "C" "C" "C" "T" "G" "T" "A" "T" "T" "C" "A" "G" "T" "G" "T" "A" "C" "G"
   [5113] "T" "T" "C" "T" "T" "C" "T" "G" "A" "T" "G" "T" "G" "G" "T" "A" "C" "T"
##
   [5131] "C" "C" "A" "C" "G" "A" "C" "T" "G" "A" "C" "T" "C" "C" "C" "C" "T" "T" "C"
   [5149] "C" "T" " "G" "T" "A" "T" "T" "C" "T" "A" "C" "T" "A" "T" "C" "G" "G"
##
   [5167] "G" "A" "A" "A" "G" "G" "T" "G" "T" "T" "T" "T" "T" "A" "G" "T" "T" "G"
   [5185] "A" "G" "A" "A" "A" "A" "A" "C" "T" "A" "A" "C" "A" "G" "G" "T" "T" "C"
##
##
   [5203] "A" "T" "G" "T" "G" "T" "G" "A" "G" "A" "C" "T" "G" "T" "A" "A" "A" "A" "A"
   [5221] "T" " "C" "A" "T" "C" "G" "T" "C" "G" "T" "T" "C" "T" "A" "A" "T" "C"
##
   [5239] "G" "T" "C" "T" "T" "C" "G" "A" "G" "A" "C" "T" "A" "A" "A" "A" "G" "A" "C"
##
   [5257] "G" "T" "C" "G" "A" "G" "A" "T" "T" "A" "A" "T" "T" "A" "A" "C" "A" "A"
##
   [5275] "C" "T" "C" "A" "G" "T" "G" "T" "A" "T" "A" "C" "A" "G" "A" "C" "G" "T"
##
   [5293] " " "T" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "G" "A" "C" "G" "G" "A"
##
##
   [5311] "C" "A" "C" "T" "A" "G" "T" "T" "G" "G" "A" "T" "A" "G" "T" "T" "A" "A"
   [5329] "A" "C" "G" "T" "G" "A" "A" "G" "T" "C" "G" "G" "A" "G" "T" "T" "G" "A"
##
   [5347] "A" "A" "C" "A" "G" "T" "T" "C" "T" "G" "C" "A" "C" "G" "T" "T" "C" " "
##
   [5365] "C" "T" "A" "T" "A" "G" "T" "A" "A" "A" "T" "T" "T" "T" "T" "G" "T" "G" "A"
   [5383] "A" "C" "T" "T" "T" "A" "A" "C" "G" "T" "G" "G" "T" "T" "T" "T" "T" "A" "A"
##
   [5401] "C" "C" "T" "C" "G" "A" "T" "T" "C" "A" "A" "C" "A" "A" "A" "A" "T" "T" "G"
##
   [5437] "C" "A" "C" "G" "T" "A" "A" "A" "A" "C" "C" "A" "A" "C" "T" "G" "G" "T"
   [5455] "G" "T" "A" "G" "A" "A" "C" "T" "T" "C" "A" "A" "A" "A" "G" "G" "T" "T"
##
   [5473] "C" "A" "C" "G" "T" "G" "A" "A" "C" "G" "A" "C" "A" "C" "A" "C" "C" "T" "T" "C"
##
   [5491] "T" "T" "T" "C" "A" "C" "T" "C" "A" "G" "A" "A" "C" "T" "T" " " "A" "A"
##
   [5509] "A" "A" "C" "G" "G" "T" "T" "A" "T" "C" "G" "T" "G" "A" "T" "A" "T"
   [5527] "T" "T" "A" "A" "C" "C" "A" "A" "C" "C" "G" "T" "T" "A" "G" "T" "T" "A"
##
         "A" "A" "A" "A" "C" "C" "A" "A" "G" "A" "G" "T" "A" "T" "C" "T" "C" "T"
##
   [5545]
   [5563] "T" "G" "T" "A" "A" "G" "A" "C" "A" "C" "A" "T" "T" "G" " " "A" "G" "G"
##
   [5581] "T" "T" "A" "T" "G" "G" "T" "A" "A" "T" "T" "T" "G" "G" "A" "T" "A" "T"
##
   [5599] "T" "C" "G" "G" "T" "A" "A" "A" "C" "G" "T" "A" "T" "C" "G" "T" "T" "T"
##
```

```
[5617] "A" "C" "C" "A" "T" "A" "A" "A" "C" "A" "T" "T" "A" "C" "G" "T" "C" "G"
    [5635] "T" "G" "G" "A" "C" "G" "T" "G" "G" "T" "T" "T" "C" " " " "C" "A" "G" "G"
##
    [5653] "T" "T" "G" "G" "T" "C" "T" "T" "C" "A" "C" "T" "A" "A" "A" "C" "A" "G"
##
   [5671] "G" "G" "C" "G" "A" "T" "T" "G" "T" "C" "A" "C" "G" "T" "C" "T" "C"
##
   [5689] "A" "C" "A" "T" "A" "A" "C" "T" "C" "G" "T" "T" "A" "G" "T" "A" "A" "A" "A"
   [5707] "G" "T" "A" "G" "A" "C" "A" "C" "T" "C" "G" "T" " "T" "T" "T" "C" "C" "A"
##
   [5725] "C" "C" "G" "T" "T" "T" "T" "G" "T" "C" "A" "T" "T" "C" "C" "G" "G" "C"
   [5743] "A" "A" "T" "T" "T" "G" "A" "A" "A" "A" "C" "A" "C" "G" "T" "G" "T" "T"
##
    [5761] "T" "A" "C" "T" "C" "C" "A" "G" "A" "G" "A" "T" "C" "G" "T" "C" "G" "T"
##
    [5779] "T" "A" "T" "A" "G" "T" "G" "G" "T" "T" "C" " " "C" "G" "T" "T" "A" "G"
##
    [5797] "T" "G" "G" "T" "A" "T" "A" "A" "C" "A" "A" "A" "C" "T" "A" "C" "T" "A" "C" "T" "T"
   [5815] "C" "G" "G" "T" "C" "G" "T" "A" "G" "A" "C" "G" "T" "T" "C" "A" "C" "A"
##
    [5833] "G" "T" "G" "A" "A" "A" "C" "A" "A" "C" "T" "T" "T" "T" "C" "A" "T" "C"
##
   [5851] "T" "A" "G" "A" "A" "G" "T" "T" "A" "T" " "T" "T" "A" "C" "T" "G" "G"
##
##
   [5869] "A" "G" "A" "A" "C" "G" "A" "A" "C" "C" "A" "A" "A" "A" "A" "C" "T" "A" "C"
   [5887] "C" "T" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "A" "A" "A" "A" "C" "A" "C"
##
##
    [5905]
          [5923] "T" "T" "A" "G" "A" "A" "A" "T" "T" " " "A" "A" "C" "C" "A" "C" "C" "A"
##
   [5941] "C" "A" "A" "A" "A" "C" "A" "T" "T" "T" "A" "A" "A" "C" "A" "A" "A" "C"
##
   [5959] "T" "G" "A" "A" "C" "A" "C" "G" "T" "T" "T" "T" "T" "G" "A" "A" "G" "A"
##
   ##
   [5995] "A" "G" "T" "T" "G" "T" "C" "G" " " "A" "T" "A" "A" "G" "G" "T" "C" "A"
##
   [6013] "A" "T" "T" "T" "C" "G" "T" "G" "C" "C" "A" "A" "A" "T" "T" "A" "A" "A" "C"
##
   [6031] "A" "C" "A" "T" "G" "T" "T" "T" "T" "T" "G" "A" "C" "G" "G" "T" "A" "T"
##
   [6049] "A" "A" "C" "G" "T" "T" "G" "T" "T" "T" "T" "C" "T" "A" "A" "A" "C" "G" "A"
##
    [6067] "C" "G" "T" "A" "A" "G" "T" " " "C" "A" "A" "C" "T" "T" "A" "G" "T" "G"
   [6085] "G" "T" "G" "T" "T" "T" "A" "C" "A" "T" "G" "T" "A" "A" "C" "A" "T" "G"
##
   [6103] "T" "T" "A" "G" "A" "T" "G" "A" "C" "T" "A" "C" "A" "G" "A" "A" "C" "C"
   [6121] "A" "G" "T" "A" "T" "C" "T" "G" "T" "G" "A" "C" "C" "A" "T" "C" "T" "T"
##
   [6139] "A" "A" "A" "G" "A" "C" " "A" "C" "A" "T" "T" "G" "T" "G" "A" "T"
   [6157] "T" "A" "T" "C" "A" "T" "T" "T" "T" "A" "A" "A" "T" "A" "C" "C" "C" "A"
##
    [6175] "T" "A" "C" "C" "G" "T" "T" "A" "T" "C" "T" "C" "A" "A" "A" "T" "A" "T"
##
   [6193] "C" "T" "C" "A" "T" "T" "C" "G" "T" "T" "G" "A" "C" "T" "T" "A" "A" "A"
##
   [6211] "A" "G" "A" "C" "G" " " "T" "G" "G" "T" "T" "C" "A" "C" "T" "G" "T" "A"
##
    [6229] "T" "C" "A" "C" "A" "T" "C" "C" "G" "T" "T" "A" "C" "T" "A" "C" "C" "T"
##
   [6247] "A" "A" "C" "T" "G" "A" "T" "C" "G" "A" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T" "G" "C"
##
   [6265] "A" "C" "G" "G" "G" "C" "G" "G" "C" "T" "A" "C" "T" "C" "T" "A" "A"
##
##
   [6283] "T" "C" "A" "G" " " "A" "C" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T" "G"
   [6301] "A" "T" "C" "G" "C" "G" "T" "A" "T" "A" "T" "G" "G" "A" "C" "G" "T" "G"
##
   [6319] "G" "T" "T" "A" "C" "C" "C" "A" "T" "A" "C" "A" "G" "T" "G" "T" "G" "A"
##
    [6337] "G" "T" "A" "T" "A" "C" "T" "C" "A" "A" "C" "A" "A" "C" "T" "G" "T" "A"
   [6355] "C" "A" "A" " " "G" "T" "C" "G" "G" "G" "G" "A" "T" "A" "A" "T" "T" "T"
##
    [6373] "G" "T" "C" "G" "G" "A" "C" "G" "T" "G" "C" "A" "C" "A" "A" "A" "C" "T"
   [6391] "T" "T" "T" "T" "G" "T" "A" "A" "T" "C" "T" "T" "G" "G" "A" "C" "A" "T"
##
    [6409] "C" "T" "T" "A" "T" "T" "T" "G" "T" "G" "C" "G" "G" "T" "T" "T" "C" "A" "T"
   [6427] "C" "C" " " "T" "C" "A" "T" "T" "C" "A" "A" "C" "T" "A" "G" "A" "C" "G"
##
    [6445] "T" "A" "C" "T" "T" "A" "T" "C" "G" "T" "T" "G" "T" "C" "C" "C" "T" "G"
##
   [6463] "A" "A" "G" "A" "C" "A" "C" "G" "T" "C" "A" "A" "T" "T" "G" "T" "G" "G"
##
   [6481] "G" "A" "C" "T" "A" "T" "T" "T" "C" "T" "T" "G" "T" "C" "G" "T" "C" "G" "T" "T" "G"
   [6499] "G" " "A" "C" "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "A" "A" "A" "C"
##
   [6517] "A" "A" "G" "G" "A" "C" "C" "A" "C" "A" "A" "T" "A" "T" "T" "G"
##
   ##
    [6553] "T" "A" "C" "C" "A" "C" "A" "T" "T" "A" "C" "A" "G" "T" "T" "C" "T" "T"
##
    ##
```

```
[6589] "A" "G" "T" "G" "C" "C" "T" "G" "T" "C" "G" "T" "A" "G" "T" "C" "A" "T"
   [6607] "C" "A" "C" "A" "G" "T" "A" "G" "T" "T" "A" "C" "A" "G" "A" "G" "A" "G"
##
   [6625] "G" "G" "T" "T" "T" "A" "A" "C" "A" "A" "C" "C" "T" "T" "T" "C" "C" " "
##
   ##
   [6661] "G" "A" "G" "T" "C" "A" "T" "T" "C" "T" "T" "G" "T" "G" "G" "A" "C" "A"
   [6679] "C" "G" "G" "A" "C" "A" "A" "T" "T" "T" "G" "G" "T" "A" "A" "C" "T" "T"
##
   [6697] "C" "A" "A" "C" "T" "T" "T" "A" "A" "C" "T" "G" "T" "G" "T" "A" " " " "A"
   [6715] "A" "C" "A" "A" "A" "A" "A" "T" "T" "G" "G" "T" "T" "T" "A" "A" "T" "C"
##
   [6733] "A" "T" "C" "T" "G" "A" "A" "A" "A" "A" "T" "C" "C" "A" "G" "G" "T" "G"
   [6751] "T" "T" "T" "G" "T" "C" "A" "A" "C" "G" "A" "C" "C" "A" "C" "G" "A" "C" "G" "A" "C" "G" "T" "A"
##
   [6769] "C" "A" "T" "C" "T" "T" "C" "A" "A" "G" "T" "T" "T" "T" "T" "C" " " "T" "T"
   [6787] "T" "C" "A" "T" "G" "A" "T" "G" "A" "T" "G" "A" "G" "A" "C" "A" "T" "A"
##
   [6805] "C" "C" "A" "A" "C" "C" "A" "T" "T" "G" "G" "T" "T" "G" "T" "G" "T"
##
   [6823] "A" "T" "T" "C" "A" "C" "C" "C" "A" "A" "C" "C" "T" "T" "T" "G" "G" "T"
##
##
   [6841] "A" "T" "A" "C" "T" "A" "A" "C" "A" "T" "T" "T" "C" "C" " " " "T" "T" "T"
   [6859] "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "T" "T" "T" "G" "G" "A" "A" "G"
##
##
   [6877]
         "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "G" "T" "T" "C" "C" "A" "C" "A"
   [6895] "C" "G" "A" "T" "G" "G" "C" "C" "G" "G" "A" "C" "T" "A" "T" "C" "T" "A"
##
   [6913] "A" "A" "G" "T" "C" "A" "A" "C" "T" "T" "T" "A" "T" " " " "A" "G" "A" "G"
##
   [6931] "A" "G" "A" "G" "T" "T" "T" "T" "C" "C" "A" "A" "A" "C" "T" "C" "T" "A"
##
   [6949] "A" "T" "C" "T" "G" "A" "A" "G" "G" "A" "T" "T" "T" "G" "T" "T" "A" "G"
##
   ##
   ##
   [7003] "A" "G" "T" "T" "C" "T" "A" "A" "C" "A" "A" "T" "C" "T" "T" "A" "A" "G"
##
   [7021] "G" "T" "T" "C" "G" "A" "T" "A" "T" "T" "G" "C" "G" "T" "C" "G" "G" "A"
##
   [7039] "C" "A" "T" "T" "T" "T" "A" "G" "T" "A" "G" "A" "C" "C" "A" "T" "T" "A"
   [7057] "A" "A" "T" "A" "T" "A" "A" "T" "A" "T" "A" "T" "A" "T" "A" "G" "T" "C" "G"
##
   [7075] "T" "T" "A" "G" "A" "A" "A" "G" "G" "T" "C" "A" "A" "A" "C" "G" "G" "G"
   [7093] "A" "C" "C" "T" "C" "G" "C" "T" "A" "A" "A" "C" "A" "G" "A" "C" "T" "G"
##
   [7111] "A" "A" "G" "T" "A" "G" "T" "G" "G" "A" "G" "A" "T" "T" "A" "A" "T" "G"
   [7129] "T" "T" "A" "C" "T" "T" "A" "G" "A" " " "C" "G" "T" "A" "T" "C" "T"
##
   [7147] "G" "T" "A" "A" "T" "C" "A" "T" "T" "T" "C" "G" "T" "C" "T" "C" "T" "A"
##
   [7165] "G" "T" "A" "A" "A" "T" "T" "A" "A" "A" "T" "C" "A" "T" "C" "C" "T" "C"
##
   [7183] "T" "G" "T" "G" "A" "G" "G" "T" "A" "T" "T" "G" "T" "G" "A" "A" "T" "T"
##
   [7201] "T" "T" "C" "A" "C" "C" "T" "T" "T" "T" "A" "C" "T" "A" "C" "G" "C"
##
   [7219] "C" "T" "T" "A" "A" "T" "A" "T" "A" "T" "C" "C" "T" "G" "T" "C" "T" "T"
##
   [7237] "A" "T" "T" "A" "G" "T" "C" "G" "T" "T" "G" "T" "G" "T" "C" "A" "A" "C"
##
##
   [7273] "G" "T" "T" "C" "G" "T" "A" "T" " "T" "T" "G" "T" "C" "T" "A" "C" "G"
##
   [7291] "T" "T" "A" "G" "A" "C" "C" "A" "C" "C" "G" "C" "A" "A" "A" "T" "T" "T"
##
   [7309] "T" "T" "G" "A" "A" "G" "T" "G" "G" "T" "T" "T" "T" "T" "C" "C" "C" "G" "T"
   [7327] "G" "T" "T" "C" "A" "A" "A" "C" "A" "T" "T" "A" "T" "A" "A" "T" "C" "C"
##
   [7345] "T" "T" "A" "G" "A" "T" " "T" "G" "T" "A" "T" "A" "A" "A" "A"
##
   [7381] "T" "C" "A" "A" "T" "C" "T" "T" "C" "A" "A" "A" "C" "T" "A" "T" "C" "T"
   [7399] "A" "A" "G" "G" "A" "A" "A" "A" "A" "G" "A" "T" "G" "T" "C" "A" "C" "T"
##
         "T" "C" "C" "T" "A" "A" " " "A" "G" "T" "T" "G" "C" "A" "T" "G" "T" "G"
##
   [7417]
   ##
   [7453] "A" "G" "T" "T" "C" "A" "C" "G" "T" "G" "T" "C" "A" "G" "A" "T" "G" "T"
   [7471] "C" "G" "T" "A" "G" "A" "C" "A" "T" "T" "A" "C" "C" "A" "A" "G" "G" "T"
##
   ##
   [7507] "A" "T" "C" "T" "T" "T" "T" "C" "A" "G" "G" "A" "T" "C" "C" "A" "A" "C"
##
   [7525] "T" "T" "C" "T" "A" "T" "T" "G" "G" "G" "T" "G" "T" "A" "T" "A" "T"
##
   [7543] "T" "C" "G" "A" "C" "G" "T" "C" "G" "T" "G" "G" "T" "C" "G" "A" "C" "A"
##
```

```
[7579] "G" "T" "G" "G" "T" "C" "C" "T" "C" "A" "G" "T" "T" "T" "A" "T" "A" "T" "T" "G"
##
   [7597] "A" "A" "G" "A" "T" "A" "C" "A" "T" "T" "T" "C" "G" "T" "T" "C" "A" "T"
##
   [7615] "T" "T" "C" "A" "A" "A" "C" "T" "T" "T" "G" "G" "A" "T" "C" "A" "C" "A" "C" "T"
##
   [7633] "A" "C" "A" " "A" "T" "T" "A" "T" "G" "G" "A" "T" "A" "A" "C" "C" "G"
   [7651] "T" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A" "C" "C" "A" "A" "G" "A"
##
   [7669] "T" "T" "T" "C" "G" "G" "C" "T" "T" "T" "T" "T" "G" "G" "G" "A" "C" "T"
   [7687] "C" "C" "C" "T" "C" "T" "A" "G" "T" "G" "C" "G" "T" "G" "A" "T" "T" "T"
##
   [7705] "A" "A" " " "T" "T" "A" "T" "C" "C" "G" "C" "A" "C" "A" "C" "A" "C" "A" "A"
   ##
   [7741] "T" "G" "G" "T" "A" "G" "T" "T" "A" "T" "A" "A" "G" "A" "A" "A" "T" "T" "T"
   [7759] "G" "T" "G" "T" "T" "T" "A" "A" "G" "G" "G" "A" "T" "T" "C" "T" "A" "A"
##
   [7777] "A" " " "A" "A" "C" "T" "T" "T" "A" "A" "T" "G" "G" "G" "A" "C" "A" "A"
   [7795] "A" "A" "G" "G" "A" "A" "G" "T" "T" "C" "C" "A" "G" "G" "T" "A" "T" "T"
##
   [7813] "C" "T" "T" "T" "T" "C" "C" "G" "A" "C" "T" "C" "T" "C" "T" "G" "T" "A"
   [7831] "T" "A" "A" "G" "T" "T" "T" "T" "C" "A" "C" "G" "T" "T" "A" "A" "T" "A"
##
##
   [7849]
         " " "A" "G" "C" "G" "T" "G" "A" "T" "C" "T" "T" "A" "T" "T" "T" "T" "G" "A"
   [7867] "G" "A" "C" "T" "T" "G" "A" "G" "T" "G" "A" "A" "A" "G" "G" "T" "A" "G"
##
   ##
   ##
   [7921] "A" "C" "C" "T" "A" "G" "T" "A" "A" "T" "G" "T" "T" "T" "T" "A" "A" "C"
##
   [7939] "T" "T" "T" "A" "A" "G" "T" "G" "T" "C" "T" "G" "A" "A" "A" "T" "T" "A"
##
   [7957] "T" "T" "G" "T" "T" "G" "T" "A" "A" "T" "C" "A" "T" "C" "G" "C" "A" "A"
##
   [7975] "T" "A" "A" "T" "T" "G" "T" "T" "A" "T" "T" "C" "A" "T" "C" "C" " " "C"
##
   [7993] "T" "G" "A" "C" "C" "A" "G" "A" "A" "G" "C" "T" "T" "A" "G" "A" "T"
##
   [8011] "T" "T" "C" "A" "T" "C" "A" "T" "G" "G" "T" "T" "T" "T" "T" "T" "A" "G" "G"
   [8029] "T" "C" "G" "G" "A" "G" "A" "A" "T" "A" "T" "A" "T" "A" "C" "A" "A" "T" "C"
##
   [8047] "T" "G" "A" "A" "G" "A" "G" "T" "C" "A" "C" "C" "T" "T" "C" " " "G" "T"
   [8065] "T" "T" "A" "T" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "G" "T" "A" "A" "T"
##
   [8083] "T" "T" "A" "C" "C" "A" "T" "C" "C" "T" "G" "T" "C" "C" "C" "A" "A" "T"
   [8101] "A" "G" "T" "T" "T" "G" "G" "A" "G" "A" "A" "T" "C" "A" "T" "G" "G" "T"
##
##
   [8119] "A" "A" "C" "C" "A" "G" "G" "G" "T" "C" "T" "C" "T" "A" " " "T" "C" "G"
   [8137] "T" "A" "C" "C" "T" "T" "G" "G" "T" "T" "C" "A" "T" "T" "G" "T" "A" "A"
   [8173] "G" "T" "T" "C" "A" "G" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T" "A" "C"
##
   [8191] "A" "T" "T" "T" "T" "G" "A" "C" "T" "C" "C" "T" "A" " " " "G" "A" "C" "T"
##
   [8209] "T" "T" "T" "G" "A" "A" "A" "C" "A" "G" "T" "C" "C" "C" "C" "A" "T" "T" "A"
##
##
   [8227] "T" "T" "G" "G" "T" "G" "G" "C" "A" "C" "A" "C" "T" "T" "T" "C"
   [8245] "T" "T" "A" "A" "T" "C" "A" "C" "A" "T" "A" "C" "G" "T" "C" "C" "C" "C"
##
   [8263] "C" "A" "T" "T" "A" "A" "C" "T" "C" "A" "A" "G" " " "A" "C" "C" "A" "A"
##
   [8281] "C" "A" "T" "T" "C" "T" "A" "A" "T" "T" "G" "T" "G" "T" "G" "A" "C" "T"
   [8299] "G" "A" "T" "C" "T" "C" "T" "G" "A" "T" "C" "A" "C" "C" "G" "T" "T" "A"
##
   [8317] "T" "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "T" "T" "G" "T" "T" "G"
##
   [8335] "T" "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A" " "T" "C" "A" "A" "A" "C" "A"
   [8353] "A" "T" "T" "G" "T" "T" "C" "T" "T" "G" "T" "A" "G" "T" "G" "T" "G" "A" "T" "C"
   [8371] "T" "T" "A" "T" "T" "G" "T" "T" "G" "A" "G" "A" "C" "A" "A" "C" "A"
##
   ##
   [8407] "A" "T" "G" "G" "A" "A" "A" "T" "G" "A" " "T" "T" "T" "C" "T" "T" "C" "T"
##
   [8425] "C" "T" "A" "T" "T" "T" "T" "A" "G" "T" "A" "T" "A" "G" "T" "A" "G" "T" "A" "G"
   ##
         "C" "T" "G" "T" "A" "T" "T" "G" "T" "C" "G" "T" "C" "A" "T" "G" "G"
##
   Γ8461]
   ##
   [8497] "A" "A" "A" "T" "G" "A" "G" "T" "A" "C" "A" "G" "T" "T" "T" "A" "T" "T"
##
   [8515] "T" "C" "T" "T" "A" "T" "C" "C" "T" "T" "C" "T" "G" "T" "T" "G" "A" "C"
##
```

```
[8533] "T" "T" "A" "A" "C" "C" "T" "A" "A" "A" "C" "A" "T" "A" "A" "G" "G" "A"
    ##
    [8569] "G" "T" "A" "C" "G" "T" "A" "C" "T" "G" "T" "A" "T" "T" "G" "T" "A"
##
    ##
    [8605] "A" "C" "G" "G" "T" "T" "C" "T" "A" "T" "T" "A" "A" "T" "G" "T" "A" "G"
    [8623] "G" "T" "T" "A" "A" "T" "T" "T" "T" "T" "A" "C" "G" "A" "A" "G" "T"
##
    [8641] "C" "T" "A" "C" "T" "A" "C" "T" "G" "C" "G" "T" "A" "A" "A" "G" "T" "G" "T"
    [8659] "A" "A" "T" "C" "A" "T" "T" "G" "T" "T" "T" "C" "C" "G" "A" "C" "A" "G"
##
    [8677] "G" "T" "G" "G" "T" "A" "C" "G" "C" "T" "T" "C" "A" "C" "A" "G" "G" "G"
##
    [8695] "T" "A" "C" "T" "C" "G" " " "A" "A" "T" "A" "T" "T" "T" "T" "C" "T" "A" "G"
##
    [8713] "T" "C" "G" "T" "A" "A" "G" "G" "T" "T" "C" "T" "T" "A" "C" "A" "A" "G"
    [8731] "A" "C" "A" "A" "T" "A" "G" "A" "A" "A" "T" "A" "T" "C" "G" "G" "T" "G"
##
    [8749] "C" "C" "T" "T" "G" "G" "A" "G" "G" "T" "T" "C" "T" "C" "G" "A" "T" "C"
    [8767] "G" "A" "A" "A" "A" "A" " "C" "A" "A" "C" "A" "T" "A" "T" "T" "T" "T" "G" "G"
##
    [8785] "G" "T" "G" "T" "T" "T" "A" "C" "A" "T" "T" "C" "A" "C" "A" "C" "T" "T" "T"
    [8803] "T" "T" "G" "G" "G" "A" "G" "A" "A" "A" "T" "C" "T" "C" "A" "G" "T" "A"
##
##
    [8821] "A" "A" "A" "G" "A" "A" "A" "A" "C" "A" "T" "T" "G" "T" "A" "A" "A" "A" "A"
    [8839] "A" "T" "C" "A" " " "G" "A" "A" "T" "C" "C" "C" "A" "G" "C" "A" "T" "G"
    [8857] "T" "A" "T" "A" "G" "T" "G" "A" "T" "T" "A" "T" "T" "A" "C" "T" "C" "T"
    [8875] "A" "G" "G" "G" "T" "A" "A" "A" "T" "A" "A" "T" "C" "G" "A" "C" "A" "T"
##
    [8893] "A" "C" "A" "T" "G" "T" "C" "A" "A" "C" "G" "T" "G" "T" "T" "A" "G" "T"
##
    [8911] "G" "G" "T" " "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "T" "A" "G"
    [8929] "A" "C" "G" "T" "A" "G" "T" "C" "T" "C" "T" "G" "T" "T" "T" "T" "C" "A" "G"
##
    [8947] "T" "A" "A" "T" "T" "C" "T" "A" "G" "A" "C" "T" "T" "A" "G" "C" "T" "G"
    [8965] "T" "T" "C" "G" "T" "C" "G" "C" "A" "T" "G" "G" "G" "C" "A" "T" "C" "C"
##
    [8983] "G" "T" " " "T" "G" "G" "T" "G" "A" "C" "A" "G" "A" "A" "A" "T" "T" "T" "T"
    [9001] "G" "T" "C" "G" "A" "C" "A" "T" "G" "G" "A" "C" "C" "A" "C" "G" "T" "T"
    [9019] "G" "A" "G" "G" "A" "A" "A" "T" "A" "G" "T" "C" "T" "T" "G" "G" "T" "C"
    [9037] "G" "T" "G" "G" "T" "T" "T" "T" "A" "C" "A" "T" "A" "T" "T" "G" "A" "G"
##
    [9055] "A" " " "G" "T" "A" "T" "A" "T" "A" "T" "C" "C" "C" "A" "T" "G" "T"
    ##
    [9091] "T" "T" "A" "A" "T" "A" "A" "C" "T" "G" "T" "G" "T" "C" "A" "A" "C" "T"
##
    [9109] "C" "A" "T" "A" "T" "A" "A" "A" "A" "C" "G" "C" "T" "G" "T" "A" "A" "G"
    [9127] " " "T" "A" "G" "T" "A" "A" "T" "A" "C" "G" "G" "A" "A" "A" "T" "C" "C"
    [9145] "A" "T" "T" "A" "C" "A" "A" "C" "G" "T" "G" "A" "T" "A" "G" "T" "G" "G"
##
    [9163] "T" "A" "T" "T" "A" "A" "A" "A" "C" "T" "T" "C" "C" "A" "G" "T" "G" "T"
##
    [9181] "G" "A" "A" "A" "A" "G" "A" "T" "T" "A" "T" "C" "G" "T" "A" "A" "G" " "
##
##
    [9199] "A" "A" "A" "C" "G" "T" "A" "A" "A" "A" "C" "A" "T" "T" "T" "C" "T" "A"
    [9217] "A" "T" "C" "C" "G" "T" "A" "T" "C" "G" "T" "T" "G" "T" "G" "G" "G" "C"
##
    [9235] "C" "A" "A" "C" "G" "G" "T" "G" "C" "G" "A" "A" "C" "T" "G" "A" "T" "C"
##
    [9253] "T" "A" "A" "C" "A" "T" "T" "A" "A" "A" "A" "C" "C" "C" "A" "T" " "T"
    [9271] "T" "T" "A" "C" "A" "A" "A" "G" "A" "T" "G" "T" "A" "C" "C" "G" "G" "T"
    [9289] "A" "G" "A" "A" "A" "T" "G" "T" "G" "G" "T" "T" "T" "T" "C" "G" "T" "A" "T"
##
    [9307] "T" "T" "A" "C" "T" "T" "A" "A" "A" "G" "A" "C" "A" "T" "A" "T" "C"
    [9325] "A" "G" "T" "T" "A" "T" "C" "A" "G" "T" "G" "A" "A" "A" "A" "C" " " "T" "G"
    [9343] "T" "T" "G" "G" "A" "A" "T" "C" "T" "T" "T" "G" "A" "T" "G" "T" "C" "T"
##
    [9361] "A" "T" "T" "T" "A" "G" "A" "A" "C" "C" "C" "T" "A" "A" "A" "A" "A" "T" "A"
##
    [9379] "A" "T" "A" "A" "A" "G" "C" "T" "G" "T" "T" "T" "T" "A" "G" "T" "A" "G"
##
    [9397] "T" "T" "C" "A" "T" "T" "A" "T" "T" "A" "T" "A" "G" "T" "T" "T" " " " "A" "T" "T"
    [9415] "G" "T" "C" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "A" "A" "A" "T" "C"
##
          "T" "A" "C" "T" "T" "G" "G" "A" "C" "A" "A" "A" "C" "G" "C" "G" "T" "A"
##
    [9433]
    [9451] "G" "A" "C" "A" "A" "T" "A" "C" "T" "T" "A" "T" "A" "T" "C" "A" "A" "A" "A"
##
    [9469] "A" "T" "T" "G" "A" "C" "A" "T" "G" "A" "C" "A" "G" " " " "G" " " " "G" "T" "A" "T"
##
    [9487] "C" "C" "T" "T" "A" "T" "T" "T" "A" "G" "A" "A" "G" "A" "T" "T" "A"
##
```

```
[9505] "A" "G" "T" "T" "T" "T" "C" "C" "A" "C" "T" "A" "A" "G" "G" "A" "A" "A" "T"
   [9523] "T" "T" "T" "G" "C" "A" "A" "A" "T" "C" "G" "A" "T" "C" "A" "G" "A" "G" "G" "G"
##
   [9541] "T" "A" "G" "T" "C" "A" "T" "C" "T" "A" "C" "A" " " " " "T" "T" "T" "G" "G"
   [9559] "T" "G" "G" "A" "T" "T" "G" "A" "C" "T" "G" "A" "T" "A" "C" "T" "G" "A"
   [9577] "T" "T" "T" "T" "A" "G" "A" "G" "G" "T" "A" "T" "T" "T" "G" "C" "T" "A"
   [9595] "T" "A" "C" "A" "A" "G" "C" "T" "T" "C" "C" "G" "T" "A" "T" "C" "G" "G"
##
   [9613] "A" "A" "G" "A" "T" "T" "A" "A" "A" "T" "A" " "T" "G" "G" "C" "A" "A"
   [9631] "G" "T" "T" "A" "C" "T" "T" "A" "A" "G" "T" "A" "G" "G" "T" "A" "T" "C"
##
   [9649] "G" "A" "T" "T" "A" "A" "G" "A" "T" "T" "C" "T" "T" "T" "A" "G" "T" "T"
   [9667] "A" "A" "A" "G" "G" "T" "A" "A" "A" "C" "T" "G" "A" "G" "G" "A" "C" "C"
##
   [9685] "C" "A" "A" "A" "T" "T" "T" "A" "A" "G" " " "A" "A" "C" "A" "T" "T" "T"
   [9703] "A" "A" "A" "G" "A" "T" "G" "A" "G" "A" "C" "T" "C" "A" "T" "T" "T" "C"
   [9721] "A" "T" "T" "C" "A" "A" "A" "G" "T" "C" "C" "A" "T" "T" "A" "A" "C" "A"
   [9739] "A" "C" "C" "T" "G" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "G" "T" "T" "G" "A"
##
   [9775] "G" "A" "C" "A" "C" "A" "A" "A" "A" "T" "G" "C" "C" "G" "A" "A" "A" "G"
##
##
   [9793] "A" "G" "G" "T" "T" "A" "A" "T" "T" "A" "C" "A" "C" "T" "G" "A" "G" "G"
   [9811] "T" "A" "A" "T" "T" "C" "T" "G" "A" "T" "C" "G" "A" "A" "A" "C" "A" "A" "A" "A"
   [9829] "C" "C" "C" "T" "G" "G" "A" "T" " "G" "T" "C" "T" "A" "C" "C" "A" "A"
   [9847] "C" "A" "T" "T" "T" "G" "G" "A" "A" "A" "T" "T" "G" "T" "G" "A" "T" "G"
   [9865] "G" "A" "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "C" "T" "T" "G"
##
   [9883] "G" "T" "A" "A" "T" "G" "C" "C" "C" "G" "T" "A" "A" "A" "G" "A" "T" "T"
   [9901] "T" "A" "T" "T" "C" "A" "G" " " "A" "T" "G" "A" "A" "C" "T" "G" "G" "T"
##
   [9919] "A" "G" "T" "T" "G" "A" "G" "A" "T" "G" "G" "T" "A" "G" "T" "T" "T" "T"
   [9937] "T" "T" "C" "T" "G" "T" "C" "A" "C" "T" "C" "A" "C" "C" "A" "C" "A" "C" "G" "T"
##
   [9955] "G" "T" "T" "T" "A" "G" "C" "A" "A" "A" "G" "T" "C" "A" "A" "A" "C" "C" "A"
   [9973] "A" "A" "G" "A" "A" "C" " "C" "G" "A" "T" "A" "C" "A" "G" "T" "C" "A"
   ## [10009] "T" "C" "A" "T" "C" "T" "A" "T" "A" "T" "A" "C" "A" "C" "G" "A" "C" "C"
  [10027] "T" "C" "G" "T" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "T" "C" "A" "G"
  [10045] "G" "G" "T" "C" "T" " "A" "G" "T" "G" "T" "C" "A" "T" "A" "A" "T" "C"
  [10063] "G" "T" "C" "G" "T" "T" "A" "C" "A" "G" "G" "T" "G" "T" "G" "G" "T"
  [10081] "T" "T" "A" "A" "T" "A" "A" "C" "T" "C" "A" "T" "A" "A" "A" "A" "A" "G" "T"
  [10099] "G" "G" "A" "G" "A" "C" "C" "A" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T"
  [10117] "A" "C" "A" "A" " " "C" "G" "C" "G" "A" "A" "T" "C" "G" "G" "G" "T" "T"
  [10135] "T" "C" "G" "A" "G" "T" "T" "T" "A" "C" "G" "A" "T" "G" "T" "A" "A" "T"
## [10171] "A" "A" "A" "A" "G" "T" "T" "T" "G" "T" "T" "A" "A" "G" "A" "T" "G" "T"
## [10189] "A" "G" "T" " "T" "G" "T" "G" "T" "A" "G" "T" "T" "G" "A" "A" "A"
  [10207] "A" "C" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" "C" "A" "A" "A" "T" "A" "A"
##
  [10225] "T" "T" "A" "C" "T" "A" "T" "C" "T" "T" "T" "G" "A" "C" "C" "A" "T" "G"
## [10243] "A" "A" "G" "T" "G" "G" "G" "A" "C" "A" "C" "A" "G" "G" "T" "A" "G"
  ## [10279] "G" "T" "T" "G" "T" "A" "A" "T" "T" "T" "T" "C" "G" "G" "T" "G" "T" "A"
## [10297] "A" "A" "A" "G" "A" "T" "T" "T" "G" "A" "G" "A" "C" "T" "T" "C" "A" "G"
## [10315] "A" "A" "C" "A" "T" "T" "T" "T" "C" "A" "C" "A" "A" "G" "G" "T" "C" "T"
  [10333] "C" " " "C" "A" "A" "T" "A" "T" "T" "C" "A" "T" "A" "G" "T" "T" "T" "A"
  [10369] "G" "A" "T" "T" "T" "C" "G" "G" "T" "C" "G" "A" "C" "T" "C" "T" "A" "G"
## [10387] "T" "A" "G" "T" "A" "C" "A" "A" "T" "A" "T" "T" "C" "G" "T" "A" "G" "C"
         " " "T" "C" "T" "A" "T" "G" "T" "T" "A" "G" "A" "C" "A" "T" "G" "A" "G"
## [10405]
## [10423] "T" "A" "A" "T" "C" "G" "T" "A" "C" "T" "A" "C" "A" "G" "A" "T" "G" "T"
## [10441] "C" "T" "G" "T" "C" "G" "T" "G" "G" "T" "G" "G" "A" "T" "T" "T" "A" "A"
## [10459] "C" "G" "T" "T" "G" "C" "A" "C" "A" "A" "T" "A" "T" "G" "T" "G" "C" " "
```

```
## [10477] "A" "T" "C" "G" "T" "C" "T" "G" "A" "A" "A" "T" "C" "A" "C" "C" "A" "T"
  [10495] "G" "T" "A" "T" "T" "A" "G" "A" "T" "A" "T" "A" "G" "A" "C" "T"
  [10513] "G" "A" "T" "G" "A" "A" "C" "A" "A" "A" "A" "G" "G" "G" "T" "A" "C" "T" "C"
## [10549] "C" "T" "C" "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "T" "A" "C" "C" "A"
## [10585] "T" "T" "T" "C" "G" "T" "G" "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "T" "T"
## [10603] "C" "G" "A" "C" "C" "A" "C" "A" "C" "A" "C" "T" "T" "A" " " "C" "G"
  [10621] "T" "A" "C" "A" "A" "A" "A" "T" "A" "A" "T" "G" "T" "A" "T" "G" "T" "T"
  [10639] "T" "G" "A" "C" "G" "G" "T" "G" "G" "T" "A" "G" "T" "G" "T" "T" "G" "G"
  [10657] "T" "C" "C" "G" "T" "T" "C" "A" "A" "T" "T" "C" "C" "A" "A" "T" "C" "T"
## [10675] "A" "T" "C" "G" "T" "G" "A" "G" "A" "T" "C" "A" "C" "A" " " "G" "T" "T"
  [10693] "T" "A" "G" "A" "T" "G" "T" "T" "G" "T" "T" "A" "C" "C" "T" "T" "A"
## [10711] "A" "T" "C" "G" "T" "C" "C" "T" "A" "T" "A" "G" "A" "T" "A" "G" "C" "T"
## [10729] "G" "T" "A" "A" "C" "G" "T" "T" "A" "A" "G" "G" "T" "T" "T" "T" "A" "T"
## [10747] "C" "C" "G" "T" "A" "T" "G" "T" "G" "G" "T" "A" "G" " " "A" "C" "A" "C"
  [10765] "T" "T" "A" "A" "A" "C" "A" "G" "T" "C" "T" "T" "A" "C" "A" "C" "A" "C"
  ## [10819] "A" "A" "C" "A" "G" "T" "G" "A" "T" "G" "T" "T" " " "C" "C" "G" "A" "C"
## [10837] "A" "C" "G" "T" "A" "G" "T" "A" "C" "T" "T" "G" "A" "A" "G" "G" "T"
## [10855] "A" "A" "G" "A" "T" "G" "T" "A" "G" "T" "C" "G" "A" "A" "C" "T" "C" "C"
## [10873] "A" "T" "G" "T" "G" "T" "G" "A" "A" "T" "T" "A" "T" "C" "G" "A" "A" "A" "A"
## [10891] "T" "C" "C" "C" "A" "A" "T" "G" "G" "T" "T" " " "A" "C" "A" "G" "C" "A"
[10927] "G" "A" "C" "G" "A" "T" "T" "A" "T" "A" "C" "G" "T" "C" "G" "A" "A"
## [10945] "A" "T" "T" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "A" "C" "T" "T"
  [10963] "G" "G" "A" "A" "A" "G" "A" "T" "G" "T" " "T" "C" "G" "G" "C" "G" "T"
## [10981] "A" "A" "T" "T" "A" "G" "A" "A" "G" "T" "C" "A" "A" "G" "T" "A" "G" "T"
## [10999] "G" "G" "T" "T" "A" "A" "T" "A" "T" "C" "C" "T" "A" "T" "A" "A" "G" "T"
## [11017] "T" "A" "T" "C" "A" "G" "G" "T" "C" "A" "G" "T" "T" "G" "T" "G" "C" "G"
  [11035] "A" "A" "T" "T" "G" "T" "T" "C" " " "G" "T" "G" "A" "G" "A" "C"
  [11053] "C" "T" "G" "T" "C" "G" "A" "T" "C" "T" "G" "T" "G" "G" "A" "T" "C" "A"
## [11071] "G" "T" "A" "C" "T" "A" "G" "T" "A" "G" "T" "G" "T" "G" "T" "G" "A"
## [11089] "T" "C" "G" "A" "T" "G" "T" "A" "C" "A" "C" "G" "T" "A" "A" "T" "G" "G"
## [11107] "T" "A" "C" "C" "T" "G" "A" "A" " " " "C" "T" "G" "T" "T" "A" "T" "G" "T"
## [11125] "C" "T" "A" "G" "T" "A" "C" "C" "A" "A" "C" "G" "A" "A" "A" "A" "C" "A" "T"
## [11143] "C" "C" "A" "A" "T" "G" "G" "A" "C" "A" "T" "T" "T" "T" "G" "G" "G" "G"
## [11161] "T" "A" "A" "C" "A" "A" "C" "T" "T" "G" "T" "A" "G" "T" "T" "A" "G" "T"
## [11179] "A" "T" "T" "T" "G" "C" "C" " " "T" "A" "A" "T" "A" "T" "C" "T" "G" "C"
## [11197] "A" "T" "T" "A" "G" "T" "T" "A" "G" "G" "T" "T" "A" "T" "C" "T" "T"
## [11215] "A" "C" "T" "A" "C" "G" "G" "T" "T" "G" "T" "C" "C" "G" "T" "A" "T" "T"
## [11233] "C" "A" "C" "A" "G" "A" "C" "T" "T" "C" "G" "T" "C" "A" "C" "C" "T" "T"
## [11251] "T" "T" "C" "G" "T" "A" " " "C" "A" "C" "C" "G" "T" "G" "C" "A" "G" "A"
## [11269] "T" "A" "G" "T" "G" "T" "A" "T" "C" "T" "G" "T" "T" "G" "T" "C" "C" "A"
## [11287] "C" "G" "C" "G" "A" "G" "T" "C" "C" "A" "G" "G" "A" "T" "A" "A" "A" "A" "A"
  [11305] "G" "T" "G" "T" "T" "T" "T" "A" "T" "G" "A" "A" "G" "T" "A" "T" "C" "T"
  [11323] "A" "C" "A" "G" "T" " "T" "G" "A" "G" "T" "T" "T" "C" "G" "G" "T" "A"
  [11341] "C" "A" "C" "G" "G" "G" "T" "A" "T" "T" "C" "T" "G" "T" "T" "T" "A" "T"
## [11359] "G" "C" "T" "G" "A" "G" "A" "C" "A" "G" "T" "C" "T" "C" "T" "C" "T" "A"
## [11377] "A" "A" "A" "A" "T" "T" "C" "A" "C" "A" "C" "A" "G" "T" "G" "A" "A" "T"
## [11395] "T" "G" "T" "A" " "A" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "A" "A" "A"
## [11413] "T" "A" "T" "G" "C" "G" "T" "G" "A" "T" "G" "T" "A" "A" "G" "G" "T" "T"
## [11431] "C" "C" "T" "T" "C" "A" "G" "G" "A" "A" "A" "C" "A" "T" "G" "T" "A" "T"
```

```
## [11449] "T" "C" "A" "C" "C" "A" "T" "A" "C" "T" "C" "C" "A" "C" "A" "A" "A" "A" "T"
  [11467] "T" "T" "A" " " "A" "C" "T" "A" "G" "A" "G" "G" "T" "C" "C" "G" "C" "C"
## [11485] "A" "C" "C" "A" "A" "A" "T" "C" "G" "T" "G" "A" "T" "T" "G" "A" "G" "A"
## [11521] "T" "C" "C" "A" "C" "A" "T" "A" "G" "T" "T" "G" "T" "A" "T" "T" "G" "G"
## [11539] "A" "C" " " "A" "T" "C" "C" "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "T"
## [11557] "C" "C" "A" "A" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "T"
## [11575] "T" "T" "G" "G" "A" "T" "C" "G" "A" "C" "A" "T" "T" "T" "T" "C" "C" "A" "T"
  [11593] "T" "T" "A" "A" "C" "C" "A" "T" "G" "G" "T" "T" "G" "T" "C" "G" "A" "A"
  [11611] "G" " "A" "G" "A" "T" "C" "A" "T" "C" "G" "T" "A" "C" "T" "G" "T" "G"
  [11629] "G" "G" "G" "A" "G" "C" "T" "G" "T" "A" "G" "C" "T" "T" "C" "G" "G" "T"
## [11647] "T" "A" "G" "G" "T" "A" "C" "G" "T" "G" "C" "A" "T" "G" "T" "A" "C" "A"
  [11665] "G" "A" "A" "T" "A" "T" "C" "G" "A" "A" "G" "A" "A" "G" "C" "C"
## [11683] " " "C" "A" "C" "T" "A" "T" "T" "T" "G" "T" "A" "C" "A" "A" "T" "C" "C"
## [11701] "C" "A" "T" "T" "G" "G" "T" "A" "A" "T" "T" "G" "A" "A" "C" "T" "A" "T"
## [11719] "T" "A" "A" "G" "T" "A" "A" "A" "T" "T" "T" "T" "T" "G" "G" "G" "T" "A"
  [11737] "G" "T" "A" "T" "C" "T" "C" "T" "A" "C" "T" "C" "A" "G" "A" "A" "G" " "
  [11755] "A" "T" "A" "T" "C" "C" "A" "G" "T" "A" "C" "A" "G" "G" "A" "A" "A" "T" "C"
  [11773] "C" "A" "T" "A" "C" "G" "G" "T" "C" "C" "A" "T" "A" "C" "A" "G" "T" "T"
## [11791] "G" "T" "G" "T" "A" "T" "T" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "A"
## [11809] "A" "C" "T" "T" "A" "A" "A" "T" "C" "A" "C" "A" "G" "T" "T" "G" " " "T"
## [11827] "G" "A" "C" "T" "C" "C" "A" "C" "A" "C" "A" "T" "C" "C" "A" "C" "G" "G"
## [11845] "A" "C" "A" "C" "A" "T" "C" "C" "T" "A" "C" "A" "T" "T" "G" "G" "G" "T"
## [11863] "C" "A" "C" "T" "A" "A" "T" "G" "G" "A" "A" "T" "G" "A" "T" "G" "T" "T"
## [11881] "A" "G" "A" "A" "A" "T" "T" "T" "C" "T" "C" "A" "G" "G" "A" " " "C" "A"
  [11899] "A" "T" "G" "T" "A" "A" "A" "A" "G" "T" "C" "G" "A" "A" "C" "A" "T" "T"
## [11917] "T" "C" "A" "A" "C" "G" "G" "T" "G" "T" "A" "A" "G" "G" "A" "T" "G" "C"
## [11935] "A" "C" "C" "T" "T" "A" "A" "G" "T" "T" "C" "T" "G" "A" "A" "C" "A"
## [11953] "T" "T" "A" "A" "C" "G" "T" "T" "G" "A" "A" "C" "A" " " "G" "T" "A"
## [11971] "T" "T" "C" "C" "A" "G" "A" "G" "A" "T" "A" "G" "T" "C" "T" "G" "T"
## [11989] "A" "A" "T" "A" "C" "G" "T" "T" "T" "C" "A" "T" "A" "C" "G" "G" "A" "T"
  [12007] "G" "A" "A" "A" "A" "C" "G" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "C"
## [12025] "G" "T" "T" "G" "T" "A" "A" "T" "T" "A" "G" "A" " " "C" "A" "A" "A" "A"
## [12043] "T" "G" "T" "A" "A" "T" "G" "T" "C" "T" "C" "A" "C" "T" "C" "G" "A"
## [12061] "C" "A" "A" "A" "G" "T" "C" "A" "C" "C" "A" "A" "A" "C" "T" "C" "A" "C"
## [12079] "T" "T" "A" "T" "A" "C" "T" "G" "T" "A" "T" "C" "A" "G" "T" "A" "T" "A"
## [12097] "A" "G" "A" "C" "T" "C" "G" "G" "G" "A" "C" "A" " " "C" "T" "A" "C" "T"
## [12115] "T" "A" "G" "T" "T" "G" "T" "C" "A" "A" "A" "C" "T" "C" "A" "A" "C" "C"
## [12133] "A" "T" "C" "A" "G" "G" "G" "T" "T" "T" "T" "A" "G" "A" "A" "A" "C" "T"
## [12151] "C" "C" "G" "A" "T" "G" "T" "C" "G" "T" "A" "A" "G" "A" "C" "A" "C" "T"
## [12169] "T" "A" "A" "T" "A" "T" "T" "C" "C" "A" "C" " " "T" "T" "T" "A" "T" "T" "T"
## [12187] "T" "C" "T" "G" "T" "C" "G" "A" "A" "A" "A" "G" "A" "G" "G" "T" "T" "C"
## [12205] "G" "T" "C" "C" "C" "A" "A" "T" "G" "C" "A" "C" "A" "T" "T" "C" "C" "T"
## [12223] "T" "A" "A" "G" "A" "G" "A" "T" "G" "G" "T" "G" "C" "G" "G" "A" "T"
## [12241] "A" "A" "A" "C" "A" "C" "C" "G" "G" "A" " " "C" "A" "A" "T" "T" "A" "A"
## [12259] "C" "G" "T" "C" "T" "A" "C" "T" "T" "T" "G" "T" "A" "G" "T" "A" "C" "G"
  [12277] "C" "A" "C" "T" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "T" "A" "T" "T"
## [12295] "T" "T" "G" "T" "A" "A" "A" "A" "T" "T" "T" "C" "G" "T" "A" "A" "C" "T"
## [12313] "C" "G" "A" "C" "T" "A" "A" "A" "C" " " " "A" "G" "A" "A" "A" "A" "T" "A" "C"
## [12331] "A" "C" "G" "A" "A" "A" "T" "T" "C" "G" "A" "A" "T" "A" "A" "T" "A" "G"
## [12349] "T" "A" "T" "T" "T" "G" "G" "T" "T" "C" "G" "T" "G" "A" "G" "T" "G"
## [12367] "T" "C" "A" "C" "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "G" "T" "C" "G"
## [12385] "T" "C" "C" "T" "G" "T" "T" "G" " " "C" "G" "G" "C" "T" "G" "T" "T" "C"
## [12403] "A" "A" "G" "G" "C" "T" "C" "C" "T" "T" "G" "T" "A" "C" "A" "G" "A" "C"
```

```
## [12421] "C" "T" "G" "G" "A" "T" "A" "T" "C" "A" "A" "A" "A" "G" "T" "A" "T" "T"
  ## [12457] "T" "T" "A" "T" "A" "A" "G" " " "A" "C" "C" "A" "A" "G" "A" "T" "C" "A"
## [12475] "C" "A" "C" "G" "G" "G" "A" "A" "T" "C" "A" "A" "T" "C" "G" "T" "T" "A"
## [12493] "C" "A" "C" "G" "C" "A" "C" "C" "A" "C" "G" "T" "C" "C" "A" "T" "T" "A"
## [12511] "A" "C" "T" "C" "G" "T" "C" "C" "C" "A" "G" "C" "G" "G" "T" "T" "A" "C"
## [12529] "A" "T" "G" "T" "G" "T" " "A" "T" "C" "A" "C" "G" "A" "A" "T" "C" "G"
## [12547] "T" "G" "C" "A" "T" "T" "A" "G" "A" "C" "G" "G" "T" "A" "A" "C" "T" "G"
## [12565] "T" "T" "G" "T" "G" "A" "G" "T" "T" "A" "G" "T" "A" "A" "A" "A"
## [12583] "A" "C" "A" "C" "C" "G" "G" "T" "A" "A" "C" "T" "T" "T" "A" "A" "A" "G"
## [12601] "T" "A" "G" "T" "T" " " "T" "C" "T" "G" "T" "T" "G" "A" "T" "A" "T" "A"
## [12619] "G" "A" "C" "G" "A" "C" "A" "G" "C" "A" "G" "A" "G" "T" "C" "C" "G" "T"
## [12637] "T" "A" "C" "G" "T" "A" "A" "A" "T" "G" "T" "C" "A" "T" "G" "T" "T" "T"
## [12655] "T" "C" "T" "G" "T" "A" "T" "G" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C"
## [12673] "A" "A" "C" "T" " "T" "A" "A" "G" "T" "G" "A" "A" "A" "C" "T" "T" "A"
## [12691] "A" "A" "T" "A" "G" "T" "T" "T" "T" "G" "T" "G" "A" "G" "A" "T" "G" "T"
  [12709] "G" "C" "T" "C" "G" "T" "G" "C" "A" "C" "G" "T" "C" "G" "T" "A" "T"
## [12727] "T" "A" "A" "G" "A" "T" "G" "A" "T" "G" "T" "A" "A" "A" "T" "A" "G" "A"
## [12763] "A" "C" "G" "G" "A" "A" "G" "A" "G" "T" "G" "T" "A" "T" "C" "A" "C" "G"
## [12781] "T" "A" "G" "T" "T" "G" "T" "C" "G" "C" "G" "T" "A" "C" "T" "A" "C" "T"
## [12799] "C" "G" "T" "T" "C" "G" "A" "C" "A" "T" "A" "T" "G" "T" "G" "A" "T" "A"
## [12817] "C" "G" " " "C" "T" "C" "G" "T" "C" "T" "T" "C" "C" "C" "A" "T" "C" "A"
## [12835] "T" "C" "T" "C" "T" "C" "G" "A" "T" "C" "C" "G" "G" "T" "T" "A" "T" "C"
## [12853] "G" "T" "T" "T" "T" "A" "C" "T" "G" "A" "G" "A" "A" "T" "G" "G" "T" "C"
## [12871] "A" "T" "G" "G" "T" "C" "C" "A" "C" "C" "A" "G" "G" "G" "A" "C" "C" "T"
## [12889] "C" " "A" "C" "A" "T" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "C" "G"
## [12907] "T" "A" "T" "G" "G" "T" "T" "G" "G" "A" "A" "A" "A" "C" "T" "A" "T" "T"
## [12925] "A" "A" "A" "C" "G" "T" "T" "G" "T" "A" "A" "C" "G" "A" "T" "C" "T" "T"
## [12943] "T" "T" "G" "A" "G" "T" "A" "G" "A" "C" "T" "C" "T" "A" "T" "A" "A" "C"
## [12961] " " "T" "C" "A" "C" "A" "A" "C" "C" "G" "G" "A" "T" "A" "T" "T" "C" "G" "G"
  [12979] "T" "C" "A" "T" "T" "A" "A" "G" "A" "T" "T" "G" "T" "A" "T" "C" "A" "C"
## [12997] "G" "A" "G" "A" "A" "C" "A" "C" "C" "G" "T" "G" "A" "T" "C" "A" "C" "A"
## [13015] "T" "C" "C" "A" "C" "G" "T" "G" "A" "A" "T" "T" "A" "C" "C" "G" "T" " "
## [13033] "A" "A" "T" "G" "A" "C" "A" "T" "A" "C" "A" "C" "T" "A" "C" "A" "G" "T"
## [13051] "C" "G" "T" "G" "T" "T" "T" "A" "T" "A" "G" "T" "G" "G" "T" "T"
## [13069] "G" "T" "A" "A" "A" "T" "T" "A" "A" "A" "C" "A" "T" "T" "C" "A" "A" "C"
## [13087] "A" "A" "C" "A" "T" "G" "G" "A" "G" "C" "C" "A" "T" "T" "T" "G" " "T"
## [13105] "T" "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "T" "A" "T" "C" "A" "G" "T"
  [13123] "G" "G" "A" "A" "A" "A" "A" "G" "T" "T" "T" "C" "C" "A" "C" "A" "T" "G"
##
  [13141] "A" "G" "A" "G" "G" "A" "T" "A" "A" "A" "C" "A" "T" "G" "A" "A" "A" "A" "T"
## [13159] "G" "A" "C" "A" "A" "A" "A" "A" "T" "C" "A" "A" "T" "G" "T" " "G" "C"
## [13177] "T" "A" "T" "T" "G" "G" "T" "C" "A" "T" "T" "T" "C" "T" "G" "T" "A" "T"
## [13195] "T" "A" "A" "A" "G" "C" "C" "A" "A" "T" "T" "C" "A" "C" "C" "A" "C" "C"
## [13213] "A" "G" "A" "T" "C" "C" "A" "A" "A" "T" "G" "G" "T" "T" "G" "A" "A" "G"
## [13231] "G" "G" "T" "A" "C" "T" "T" "T" "C" "T" "A" "C" "A" "T" " " "T" "A" "A"
  [13249] "G" "A" "G" "A" "C" "A" "G" "T" "C" "T" "G" "T" "C" "G" "T" "G" "A" "A"
  [13267] "G" "T" "G" "C" "A" "T" "G" "T" "C" "A" "T" "C" "G" "T" "T" "A" "T" "G"
  [13285] "G" "T" "A" "T" "T" "C" "T" "G" "T" "C" "A" "A" "A" "A" "T" "T" "T" "A" "C"
## [13303] "A" "G" "A" "G" "G" "A" "G" "T" "C" "A" "T" "C" "G" " " "A" "A" "A" "C"
## [13321] "T" "C" "G" "C" "A" "A" "A" "G" "A" "C" "G" "A" "C" "G" "T" "T" "T" "T"
## [13339] "T" "C" "G" "A" "A" "C" "T" "C" "A" "G" "A" "A" "A" "G" "T" "C" "A" "T"
## [13357] "G" "T" "C" "C" "A" "C" "A" "T" "C" "G" "A" "T" "T" "T" "T" "A" "C"
## [13375] "A" "T" "T" "A" "G" "T" "G" "G" "T" "C" "G" "T" " " "A" "A" "A" "A" "C" "A"
```

```
## [13393] "G" "G" "T" "C" "A" "G" "T" "G" "T" "A" "C" "A" "A" "C" "G" "T" "T" "A"
  [13411] "A" "C" "G" "T" "A" "A" "T" "T" "T" "C" "A" "G" "T" "C" "A" "T" "T" "G"
## [13429] "T" "A" "A" "T" "A" "G" "C" "G" "A" "T" "G" "G" "T" "T" "G" "T" "G" "T"
## [13465] "G" "T" "T" "T" "T" "T" "G" "A" "A" "C" "A" "G" "G" "T" "A" "A" "T" "C"
## [13483] "G" "T" "G" "T" "G" "T" "T" "A" "C" "C" "T" "T" "T" "T" "T" "G" "A" "T" "T"
## [13519] "A" "T" "G" "T" "T" "A" "T" "A" "T" " " " "C" "G" "A" "G" "T" "A" "T"
  [13537] "G" "G" "A" "G" "G" "A" "T" "T" "C" "A" "T" "T" "T" "C" "A" "A" "C" "T"
  [13555] "C" "A" "G" "T" "G" "T" "A" "G" "A" "C" "A" "C" "T" "G" "T" "A" "G" "T"
  [13573] "G" "T" "T" "G" "G" "A" "C" "C" "T" "C" "G" "T" "A" "A" "C" "G" "T" "T"
## [13591] "T" "G" "T" "A" "T" "G" "C" "C" "T" " "A" "A" "T" "T" "G" "T" "C" "T"
  [13609] "G" "T" "T" "C" "T" "G" "A" "T" "T" "A" "A" "A" "A" "T" "A" "C" "A" "C" "T"
## [13627] "A" "C" "A" "A" "C" "T" "A" "C" "T" "G" "T" "A" "C" "C" "A" "G"
## [13645] "C" "A" "T" "T" "G" "T" "C" "G" "T" "A" "A" "A" "T" "G" "T" "T" "G" "T"
## [13663] "A" "T" "T" "C" "T" "T" "A" "C" " " "C" "A" "G" "A" "T" "G" "C" "A" "T"
  [13681] "A" "C" "G" "T" "T" "C" "G" "T" "G" "G" "T" "G" "T" "A" "A" "A" "T"
  [13699] "T" "A" "C" "T" "T" "C" "A" "G" "A" "C" "A" "C" "T" "T" "A" "A" "C" "G"
## [13717] "T" "T" "T" "C" "T" "T" "G" "T" "G" "T" "C" "G" "G" "G" "G" "G" "T" "T"
## [13735] "G" "T" "C" "G" "G" "A" "C" " " "A" "T" "T" "C" "T" "G" "A" "C" "A" "T"
## [13753] "A" "C" "G" "C" "C" "A" "C" "A" "T" "G" "T" "A" "T" "C" "G" "G"
## [13771] "A" "G" "T" "A" "T" "T" "T" "T" "G" "A" "G" "T" "C" "C" "A" "A" "G" "G"
## [13789] "G" "T" "T" "A" "T" "G" "G" "A" "A" "C" "T" "C" "C" "A" "C" "A" "A" "T"
## [13807] "A" "G" "T" "A" "A" "T" " "C" "A" "T" "T" "C" "G" "T" "A" "T" "T" "G"
## [13825] "T" "C" "T" "T" "A" "T" "G" "T" "A" "C" "A" "G" "A" "T" "T" "G" "T" "A"
## [13843] "C" "A" "C" "A" "G" "G" "A" "C" "A" "T" "T" "T" "G" "A" "G" "T" "A" "G"
## [13861] "T" "A" "C" "A" "T" "C" "G" "A" "A" "A" "A" "A" "A" "T" "A" "C" "A" "T"
## [13879] "A" "A" "C" "A" "T" " " "T" "C" "A" "T" "G" "T" "T" "T" "T" "A" "C" "T" "T"
## [13897] "T" "C" "T" "G" "T" "A" "G" "T" "C" "G" "T" "A" "T" "G" "A" "G" "G" "A"
## [13915] "C" "T" "A" "A" "T" "C" "C" "T" "A" "C" "A" "A" "A" "T" "C" "A" "T" "T"
## [13933] "C" "A" "C" "C" "C" "A" "T" "T" "C" "G" "T" "A" "G" "A" "T" "A" "T" "C"
          "G" "A" "T" "T" " " "T" "C" "T" "G" "T" "G" "C" "T" "T" "G" "G" "G" "A"
  [13951]
  [13969] "A" "G" "T" "T" "A" "G" "T" "A" "T" "T" "C" "A" "C" "A" "T" "G" "G" "T"
## [13987] "A" "G" "A" "C" "A" "A" "A" "A" "A" "G" "T" "G" "C" "T" "A" "T" "A" "G" "T"
## [14005] "A" "G" "A" "T" "G" "T" "T" "T" "T" "G" "T" "C" "G" "G" "C" "C" "G" "G"
## [14023] "G" "G" "A" " " "T" "C" "C" "T" "A" "A" "G" "A" "A" "C" "T" "A" "C" "C"
## [14041] "T" "A" "G" "A" "C" "C" "C" "A" "T" "T" "C" "C" "T" "T" "C" "C" "A" "T"
## [14077] "A" "A" "A" "T" "T" "G" "A" "T" "C" "G" "T" "A" "A" "C" "A" "T" "A" "C"
## [14095] "A" "A" " " "C" "T" "C" "T" "C" "G" "T" "T" "T" "T" "A" "A" "G" "T" "A"
## [14113] "C" "T" "C" "C" "A" "G" "G" "A" "A" "A" "T" "C" "A" "T" "T" "C" "C" "A"
## [14131] "G" "T" "C" "A" "G" "A" "G" "T" "C" "A" "G" "T" "T" "T" "G" "T" "A" "A"
## [14149] "A" "A" "C" "G" "A" "A" "G" "T" "C" "T" "G" "T" "A" "T" "T" "T" "T" "T" "T"
## [14167] "G" " " "T" "A" "A" "C" "A" "A" "A" "C" "T" "A" "T" "T" "A" "T" "T"
## [14185] "T" "C" "T" "T" "G" "A" "C" "T" "G" "A" "A" "T" "T" "T" "C" "A" "A" "G"
## [14203] "A" "A" "A" "T" "A" "C" "G" "A" "T" "C" "G" "G" "T" "G" "A" "T" "C" "T"
  [14221] "G" "G" "A" "A" "C" "T" "C" "T" "A" "C" "G" "T" "A" "T" "T" "C" "A" "C"
## [14239] " " "G" "A" "T" "A" "A" "C" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G"
## [14257] "T" "C" "G" "T" "A" "G" "C" "A" "G" "T" "C" "T" "C" "T" "C" "A" "T" "A"
## [14275] "G" "T" "A" "G" "T" "A" "A" "C" "T" "C" "T" "T" "T" "A" "C" "A" "A" "A"
## [14293] "T" "G" "C" "G" "T" "T" "T" "A" "C" "G" "C" "A" "T" "T" "T" "T" "
## [14311] "T" "G" "A" "G" "T" "A" "A" "G" "T" "G" "T" "T" "T" "C" "A" "G" "A" "C"
## [14329] "A" "C" "A" "G" "T" "T" "G" "T" "A" "G" "A" "G" "A" "T" "A" "A" "A" "G"
## [14347] "A" "T" "A" "T" "C" "T" "C" "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "T"
```

```
## [14365] "C" "A" "G" "A" "C" "A" "C" "A" "A" "C" "A" "T" "T" "T" "A" "A" "A" " "C"
  [14383] "G" "C" "C" "T" "G" "T" "A" "T" "G" "A" "A" "T" "A" "G" "C" "C" "G" "T"
## [14401] "T" "A" "A" "A" "A" "C" "A" "A" "T" "G" "G" "T" "A" "G" "T" "C" "A" "T"
## [14419] "C" "T" "A" "T" "T" "T" "T" "C" "A" "C" "G" "T" "A" "A" "A" "T" "T" "G" "T"
## [14437] "A" "A" "C" "C" "G" "G" "C" "A" "C" "T" "G" "T" "C" "G" "A" " " "A" "C"
## [14455] "T" "G" "T" "T" "T" "A" "C" "A" "A" "T" "T" "T" "T" "T" "T" "G" "T" "G" "A"
## [14473] "T" "A" "A" "T" "C" "G" "T" "A" "T" "C" "G" "T" "C" "A" "A" "C" "A"
## [14491] "C" "C" "G" "T" "A" "G" "A" "G" "A" "C" "T" "A" "C" "T" "C" "C" "A"
## [14509] "A" "G" "G" "T" "G" "G" "A" "C" "C" "A" "A" "A" "T" "T" " " "G" "T" "A"
## [14527] "T" "A" "T" "C" "A" "C" "T" "T" "G" "G" "C" "G" "G" "T" "G" "T" "G" "T"
  [14545] "A" "C" "T" "G" "G" "T" "A" "A" "A" "G" "T" "G" "A" "G" "T" "T" "A" "T"
## [14563] "G" "A" "A" "C" "T" "C" "G" "T" "G" "T" "G" "A" "G" "T" "A" "A" "T" "C"
## [14581] "G" "A" "T" "T" "A" "G" "A" "T" "A" "T" "C" "T" "T" " " "T" "G" "C" "C"
## [14599] "A" "C" "A" "C" "T" "G" "T" "T" "C" "G" "A" "T" "G" "T" "T" "G" "T" "G"
## [14617] "C" "A" "A" "C" "A" "T" "A" "C" "A" "A" "A" "C" "G" "C" "T" "C" "G" "T"
## [14635] "T" "C" "T" "T" "G" "T" "T" "C" "A" "C" "T" "C" "C" "G" "G" "T" "A" "T"
  [14653] "T" "A" "A" "G" "A" "T" "T" "C" "G" "T" "A" "C" " " "A" "A" "T" "C" "C"
## [14671] "G" "T" "A" "C" "C" "G" "A" "G" "A" "T" "A" "G" "T" "G" "T" "A" "A" "A" "A"
## [14689] "T" "C" "C" "T" "A" "T" "T" "A" "G" "G" "G" "T" "T" "G" "G" "G" "T" "A"
## [14707] "T" "T" "C" "T" "A" "C" "T" "C" "C" "C" "A" "A" "A" "A" "G" "A" "T" "G"
## [14725] "T" "A" "G" "T" "G" "A" "T" "A" "T" "T" "T" "T" " " "G" "T" "C" "A" "A" "A"
## [14743] "A" "A" "T" "T" "G" "T" "A" "C" "A" "A" "C" "A" "C" "G" "G" "T" "T" "G"
## [14761] "G" "T" "G" "G" "T" "A" "T" "C" "T" "T" "A" "A" "A" "C" "G" "A" "A" "C"
## [14779] "A" "A" "G" "G" "T" "T" "A" "A" "T" "G" "A" "T" "G" "T" "C" "A" "T" "C"
## [14797] "G" "A" "G" "G" "A" "G" "A" "T" "C" "A" " " "C" "C" "G" "C" "C" "G" "A"
## [14833] "A" "C" "T" "A" "C" "T" "T" "T" "G" "A" "C" "A" "G" "A" "T" "A" "A" "C"
## [14851] "C" "A" "G" "T" "A" "T" "C" "A" "T" "G" "A" "T" "G" "T" "C" "T" "A" "T"
## [14869] "C" "T" "C" "T" "G" "T" "G" "G" "T" " "C" "G" "A" "T" "G" "C" "C" "A"
## [14887] "C" "G" "C" "T" "C" "G" "A" "G" "A" "C" "A" "A" "G" "A" "A" "A" "A" "C" "G"
## [14905] "T" "G" "A" "T" "T" "A" "C" "C" "G" "T" "A" "T" "G" "A" "A" "T" "T" "C"
  [14923] "T" "A" "A" "G" "T" "A" "A" "A" "C" "T" "C" "A" "A" "A" "T" "A" "T" "C" "A"
## [14941] "T" "C" "C" "C" "T" "A" "C" "T" " "G" "T" "A" "A" "T" "G" "C" "A" "A"
## [14959] "A" "A" "C" "A" "T" "A" "T" "A" "C" "G" "C" "T" "T" "T" "T" "T" "C" "A" "C"
## [14977] "G" "T" "A" "G" "A" "A" "C" "T" "A" "G" "G" "A" "G" "T" "A" "T" "T" "G"
## [14995] "A" "G" "T" "A" "A" "C" "T" "T" "A" "G" "T" "A" "T" "T" "A" "T" "T" "T" "T"
## [15013] "C" "A" "G" "A" "T" "C" "G" " " "G" "A" "A" "T" "G" "G" "G" "G" "T" "A"
## [15049] "C" "G" "A" "C" "T" "A" "A" "A" "C" "A" "G" "A" "T" "C" "C" "A" "A" "C"
## [15067] "A" "A" "C" "T" "G" "C" "T" "A" "C" "T" "G" "A" "A" "C" "C" "A" "A" "T"
## [15085] "C" "G" "T" "A" "A" "T" " " "T" "A" "T" "G" "T" "C" "G" "G" "T" "G" "G"
## [15103] "T" "A" "G" "C" "A" "T" "T" "G" "T" "A" "G" "T" "T" "T" "C" "A" "T"
  [15121] "G" "A" "A" "T" "A" "G" "T" "T" "G" "T" "T" "G" "A" "A" "A" "G" "T" "T" "G"
## [15139] "A" "T" "G" "T" "T" "T" "A" "T" "C" "A" "T" "C" "A" "A" "C" "A" "G" "A"
## [15157] "C" "T" "A" "T" "A" " " "G" "T" "G" "T" "G" "T" "A" "A" "C" "A" "A" "C"
## [15175] "C" "A" "T" "C" "T" "A" "A" "T" "A" "T" "T" "G" "C" "T" "A" "T" "C" "A"
   [15193] "T" "C" "A" "G" "T" "A" "T" "T" "A" "G" "C" "G" "A" "C" "T" "A" "T" "C"
  [15211] "G" "T" "C" "G" "T" "A" "A" "T" "G" "G" "T" "A" "G" "G" "T" "A" "G" "G" "T" "C"
  ## [15247] "T" "T" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T" "G" "A" "A" "G" "G" "A"
## [15265] "A" "G" "G" "A" "A" "T" "T" "T" "C" "T" "T" "T" "G" "G" "G" "A" "A" "T"
## [15283] "C" "T" "G" "T" "G" "T" "C" "G" "T" "T" "T" "C" "A" "G" "T" "A" "T" "C"
## [15301] "T" "T" "C" " " "A" "G" "A" "A" "A" "C" "A" "A" "T" "T" "T" "T" "A" "A"
## [15319] "T" "G" "G" "T" "C" "C" "A" "A" "A" "C" "T" "G" "T" "C" "A" "A" "A" "C"
```

```
## [15337] "T" "T" "T" "T" "C" "G" "T" "T" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A"
  [15355] "T" "T" "C" "A" "C" "G" "T" "C" "G" "A" "T" "G" "A" "C" "T" "T" "T"
  [15373] "C" "G" " "T" "G" "C" "A" "T" "C" "A" "C" "G" "C" "A" "A" "A" "T" "A"
## [15391] "G" "A" "T" "C" "A" "T" "T" "A" "T" "C" "T" "A" "A" "T" "G" "G" "T" "C"
## [15409] "T" "T" "C" "G" "T" "C" "G" "C" "A" "C" "G" "T" "A" "T" "C" "G" "T" "C"
## [15427] "C" "C" "A" "G" "T" "C" "G" "T" "C" "G" "T" "A" "T" "G" "T" "G" "T" "T"
## [15445] "C" " " "A" "T" "T" "A" "A" "G" "G" "A" "A" "T" "T" "T" "T" "T" "G" "A" "T"
## [15463] "T" "C" "A" "G" "A" "T" "C" "T" "C" "G" "A" "T" "A" "C" "A" "T" "T" "C"
## [15481] "A" "A" "A" "T" "G" "T" "A" "G" "G" "A" "C" "T" "A" "A" "T" "A" "C" "A"
## [15499] "T" "G" "T" "T" "G" "T" "G" "G" "A" "T" "C" "G" "A" "G" "A" "G" "A" "C"
  [15517] " " "T" "T" "C" "A" "C" "C" "A" "T" "A" "G" "G" "T" "C" "A" "A" "C" "T"
## [15535] "T" "T" "G" "A" "T" "G" "T" "T" "A" "C" "C" "T" "T" "G" "T" "G" "G"
  ## [15571] "G" "T" "G" "A" "T" "C" "A" "C" "C" "A" "G" "G" "T" "T" "T" "T" "T" "G" " "
## [15589] "A" "A" "C" "A" "T" "T" "C" "A" "C" "C" "C" "T" "T" "G" "T" "G" "A" "C"
## [15607] "A" "T" "C" "T" "C" "T" "T" "A" "T" "T" "T" "T" "G" "T" "A" "A" "T" "T"
  [15625] "T" "C" "A" "A" "A" "C" "G" "T" "G" "T" "A" "A" "C" "G" "T" "T"
  [15643] "A" "C" "G" "T" "A" "G" "A" "C" "A" "G" "T" "A" "G" "G" "T" "T" "T" " "T"
  [15661] "G" "T" "C" "A" "A" "T" "T" "G" "T" "G" "T" "A" "A" "A" "A" "C" "C" "C"
## [15679] "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "C" "T" "A" "G" "G" "G" "T" "T"
## [15715] "T" "T" "C" "T" "C" "A" "A" "A" "T" "T" "G" "G" "A" "G" " " "A" "G"
## [15733] "A" "A" "G" "G" "C" "A" "C" "T" "T" "C" "A" "G" "T" "A" "T" "A" "A" "A" "A"
## [15751] "A" "T" "T" "G" "T" "T" "T" "A" "G" "G" "G" "T" "G" "A" "A" "T" "T" "A"
## [15769] "C" "A" "T" "T" "C" "C" "G" "A" "A" "A" "A" "A" "A" "T" "T" "C" "A" "G"
  [15787] "T" "C" "A" "C" "A" "G" "T" "T" "G" "T" "A" "C" "A" "C" " " " "T" "G" "A"
## [15805] "G" "A" "C" "G" "T" "C" "A" "A" "T" "T" "T" "C" "G" "G" "G" "A" "C" "C"
  [15823] "A" "G" "T" "T" "C" "C" "A" "A" "T" "T" "A" "T" "A" "T" "C" "C" "G" "T"
## [15859] "T" "T" "A" "G" "A" "T" "G" "T" "T" "G" "T" "C" "C" " " "T" "T" "G" "A"
## [15877] "G" "G" "T" "G" "A" "T" "G" "G" "A" "C" "C" "G" "C" "A" "C" "C" "A" "A"
  [15895] "A" "C" "A" "T" "A" "C" "T" "T" "A" "G" "T" "G" "G" "C" "T" "T" "T"
  [15913] "A" "G" "T" "A" "T" "G" "G" "T" "C" "A" "A" "T" "G" "G" "T" "A" "A" "C"
## [15931] "T" "C" "T" "A" "G" "A" "A" "C" "T" "A" "A" "T" " " "A" "G" "A" "T" "T"
## [15967] "T" "G" "G" "T" "C" "G" "T" "A" "A" "A" "G" "C" "G" "T" "A" "C" "C" "G"
## [15985] "T" "A" "G" "T" "G" "T" "C" "T" "T" "A" "A" "C" "A" "T" "G" "A" "C" "A"
## [16003] "A" "A" "A" "A" "T" "T" "G" "T" "T" "C" " " "G" "A" "A" "C" "C" "G"
## [16021] "C" "A" "T" "G" "T" "G" "C" "A" "A" "G" "T" "G" "G" "A" "T" "T" "C" "A"
  [16039] "A" "C" "C" "G" "C" "A" "T" "A" "T" "G" "C" "G" "C" "A" "T" "T" "A" "T"
##
  [16057] "A" "T" "A" "G" "A" "C" "C" "C" "A" "A" "A" "A" "G" "A" "T" "G" "T" "T"
## [16075] "T" "T" "A" "G" "T" "A" "T" "G" "G" "T" " " "C" "A" "G" "G" "A" "A" "A" "A"
  [16093] "A" "A" "T" "A" "A" "C" "T" "T" "T" "A" "T" "A" "G" "T" "A" "G" "T"
## [16111] "A" "G" "T" "G" "T" "T" "G" "T" "T" "A" "A" "C" "A" "T" "A" "C" "A" "C"
## [16129] "T" "G" "T" "T" "C" "A" "T" "A" "A" "G" "A" "A" "A" "A" "A" "T" "T" "A"
## [16147] "C" "A" "C" "A" "G" "T" "G" "T" "T" " " "A" "A" "T" "G" "G" "A" "A" "G"
  [16165] "T" "A" "G" "T" "T" "T" "T" "A" "C" "G" "G" "A" "A" "T" "T" "T" "C" "G"
  [16183] "T" "A" "T" "C" "T" "G" "C" "T" "C" "C" "A" "G" "A" "C" "G" "G" "T" "A"
  [16201] "A" "C" "A" "C" "A" "T" "A" "A" "A" "T" "C" "A" "T" "T" "C" "T" "G" "C"
## [16219] "A" "A" "C" "T" "G" "C" "A" "C" " "T" "A" "T" "A" "T" "A" "T" "A" "C" "A" "C"
  [16237] "C" "A" "T" "G" "G" "T" "A" "C" "A" "G" "T" "G" "G" "C" "A" "G" "A" "T"
## [16255] "A" "A" "G" "A" "T" "T" "T" "G" "A" "A" "T" "T" "T" "C" "T" "T" "C" "A"
## [16273] "G" "T" "A" "C" "A" "A" "A" "T" "C" "G" "T" "T" "G" "T" "C" "G" "A" "C"
## [16291] "C" "T" "G" "T" "T" "A" "G" " " "G" "A" "A" "T" "T" "C" "A" "T" "T" "T"
```

```
## [16309] "A" "A" "T" "A" "T" "T" "T" "A" "A" "C" "A" "A" "A" "G" "A" "A" "G" "A" "A" "G" "T"
  [16327] "A" "C" "A" "A" "C" "C" "A" "T" "C" "A" "A" "T" "C" "T" "C" "T" "T" "T"
  [16345] "C" "A" "C" "A" "C" "A" "G" "A" "G" "A" "A" "T" "T" "G" "A" "T" "G" "T"
## [16381] "T" "A" "A" "C" "A" "G" "T" "A" "G" "A" "A" "G" "C" "A" "G" "G" "A" "A"
## [16399] "A" "A" "G" "A" "A" "C" "C" "T" "T" "C" "G" "C" "T" "G" "T" "T" "G" "T"
## [16417] "T" "A" "A" "T" "C" "A" "A" "A" "A" "A" "C" "C" "T" "T" "A" "A" "A" "A"
## [16435] "T" "C" "G" "T" "T" "T" "T" "G" "G" "T" "C" "G" "A" "T" "G" "A" "A" "A"
  [16453] "A" "T" "A" "G" "T" "A" "A" "C" "A" "T" "C" "T" "A" "C" "A" "G" "T" "T"
## [16471] "T" "T" "C" "G" "G" "G" "A" "C" "A" "T" "A" "T" "G" "C" "T" "G" "T" "A"
  [16489] "G" "T" "C" "A" "T" "G" "A" "T" "C" "A" "C" "G" "G" "A" "C" "A" "C" "A" "C" "G"
## [16507] "G" "C" "G" "T" " "G" "C" "C" "A" "C" "A" "T" "T" "C" "T" "G" "C" "C"
## [16525] "C" "G" "A" "C" "G" "T" "G" "A" "A" "T" "G" "T" "G" "T" "G" "C" "G" "T" "T"
## [16543] "T" "G" "G" "G" "C" "A" "A" "T" "T" "T" "T" "T" "T" "G" "C" "T" "A" "A"
## [16561] "C" "A" "C" "G" "T" "A" "G" "T" "C" "G" "A" "C" "T" "G" "A" "C" "T" "T"
## [16579] "C" "G" "T" " "A" "C" "C" "C" "A" "A" "G" "C" "G" "C" "C" "T" "C" "A"
  [16597] "A" "C" "T" "A" "G" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "T"
  [16615] "A" "T" "T" "G" "G" "A" "A" "A" "G" "G" "T" "G" "T" "A" "T" "G" "G" "C"
  [16633] "G" "T" "C" "T" "G" "C" "C" "A" "T" "G" "T" "C" "T" "G" "A" "C" "A" "C"
## [16651] "A" "A" " " "A" "A" "A" "T" "T" "C" "A" "C" "A" "T" "T" "T" "T" "T" "G" "G"
## [16669] "G" "T" "G" "T" "C" "C" "C" "A" "G" "T" "A" "A" "T" "C" "G" "T" "G" "T"
## [16687] "T" "C" "A" "A" "C" "A" "T" "C" "C" "A" "T" "A" "A" "A" "C" "A" "T" "G"
## [16705] "T" "A" "T" "G" "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "T" "T" "C" "A" "G"
## [16723] "T" " "G" "T" "T" "T" "T" "A" "G" "G" "A" "A" "A" "T" "C" "C" "T" "A"
## [16741] "A" "A" "C" "C" "T" "A" "C" "T" "A" "G" "A" "T" "A" "C" "A" "C" "C" "G"
  [16759] "T" "T" "G" "C" "C" "G" "T" "C" "A" "T" "G" "T" "C" "T" "G" "T" "T" "G"
[16795] " " "T" "A" "A" "G" "A" "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "A" "C"
## [16813] "C" "G" "A" "A" "G" "G" "C" "C" "A" "C" "A" "T" "T" "G" "A" "C" "A" "A"
## [16831] "T" "A" "A" "C" "G" "G" "A" "C" "T" "G" "G" "T" "C" "A" "T" "G" "G" "T"
## [16849] "C" "A" "C" "A" "C" "A" "C" "A" "T" "G" "T" "G" "T" "G" "T" "A" " "
          "G" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "T" "C" "A" "C" "A" "C"
  Γ16867]
  [16885] "A" "C" "C" "A" "A" "C" "A" "G" "G" "G" "G" "G" "T" "G" "A" "T" "C" "G"
## [16903] "A" "T" "C" "T" "A" "T" "T" "A" "G" "A" "A" "A" "C" "A" "T" "T" "C" "G"
## [16921] "A" "A" "A" "T" "C" "G" "T" "C" "G" "T" "A" "G" "A" "T" "G" "T" " "C"
## [16939] "G" "T" "T" "T" "T" "C" "G" "T" "G" "T" "C" "T" "T" "T" "T" "C" "T" "A" "T"
## [16957] "T" "A" "T" "G" "T" "C" "A" "A" "C" "T" "T" "A" "A" "C" "C" "G" "T" "C"
## [16975] "C" "G" "T" "G" "A" "A" "G" "A" "C" "A" "C" "G" "T" "A" "A" "T" "G"
## [16993] "G" "T" "C" "G" "A" "A" "C" "A" "T" "C" "T" "G" "C" "A" "T" " " "G" "A"
## [17011] "C" "A" "C" "C" "G" "T" "C" "G" "A" "T" "T" "T" "G" "A" "T" "G" "G" "T"
## [17029] "T" "C" "A" "T" "G" "G" "T" "A" "T" "G" "G" "A" "G" "A" "T" "A" "A" "A"
## [17047] "T" "C" "C" "A" "A" "C" "A" "A" "A" "T" "T" "A" "G" "G" "A" "A" "A" "A" "T"
## [17065] "T" "A" "T" "T" "T" "C" "A" "T" "A" "T" "T" "A" "T" "A" "T" " "G" "A" "A"
## [17083] "G" "T" "G" "A" "A" "A" "T" "C" "C" "T" "G" "G" "A" "A" "A" "T" "C" "C"
## [17101] "A" "C" "A" "C" "A" "G" "A" "C" "A" "T" "T" "G" "T" "T" "T" "G" "G" "A"
## [17119] "T" "G" "T" "T" "C" "C" "A" "C" "C" "A" "A" "G" "G" "T" "C" "A" "A" "G"
  [17137] "A" "C" "A" "T" "A" "T" "C" "T" "A" "T" "C" "A" "T" " " "G" "G" "T" "C"
  [17155] "A" "A" "G" "G" "T" "A" "G" "T" "G" "A" "G" "A" "A" "A" "T" "C" "C" "C" "T"
  [17173] "T" "A" "G" "A" "T" "C" "G" "G" "G" "T" "A" "A" "A" "A" "G" "T" "T" "T" "A"
## [17191] "G" "G" "A" "C" "A" "T" "T" "T" "A" "G" "C" "C" "T" "A" "T" "T" "G" "T"
## [17209] "C" "A" "C" "G" "T" "T" "C" "A" "T" "G" "T" "T" " " "T" "G" "G" "A" "T"
## [17227] "G" "G" "A" "G" "G" "G" "A" "A" "A" "C" "A" "A" "C" "A" "C" "A" "C" "A" "C"
## [17245] "A" "T" "C" "A" "T" "T" "C" "G" "A" "T" "T" "G" "C" "G" "T" "A" "A" "C"
## [17263] "A" "G" "T" "A" "G" "T" "C" "A" "C" "G" "T" "T" "C" "G" "T" "C" "A" "A"
```

```
## [17281] "A" "C" "A" "C" "A" "T" "C" "A" "T" "G" "G" " " "C" "C" "G" "T" "C" "G"
  [17299] "T" "G" "T" "T" "C" "T" "G" "T" "A" "G" "A" "C" "A" "G" "A" "G" "A" "T" "C"
## [17317] "A" "C" "G" "T" "T" "G" "T" "C" "C" "T" "G" "A" "T" "T" "C" "G" "A" "G"
## [17335] "T" "A" "A" "T" "A" "A" "G" "A" "C" "A" "T" "T" "A" "A" "A" "C" "T" "G"
## [17353] "T" "C" "G" "T" "C" "T" "T" "A" "A" "C" " " "C" "G" "G" "G" "A" "A" "T"
## [17371] "T" "T" "C" "G" "A" "C" "A" "A" "T" "G" "T" "T" "A" "T" "T" "C" "T" "C"
## [17389] "C" "G" "G" "T" "A" "C" "G" "A" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C"
## [17407] "T" "T" "A" "A" "C" "A" "G" "G" "T" "A" "T" "G" "A" "T" "T" "A" "A" "A"
## [17425] "G" "T" "G" "A" "T" "T" "C" "A" "A" " " "C" "T" "T" "G" "T" "T" "A" "A"
## [17443] "A" "A" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "A" "G" "A" "T" "G" "T"
## [17461] "T" "G" "G" "A" "C" "A" "A" "C" "C" "T" "A" "A" "A" "G" "G" "G" "T" "G"
## [17479] "T" "T" "A" "C" "G" "A" "C" "T" "A" "C" "G" "T" "A" "T" "T" "C" "A" "T"
## [17497] "T" "T" "A" "C" "A" "A" "C" "A" " "" "T" "G" "G" "T" "A" "G" "T" "G" "T"
## [17515] "G" "C" "A" "T" "A" "A" "A" "A" "T" "A" "T" "A" "C" "A" "C" "A" "A" "A"
## [17533] "T" "A" "T" "C" "A" "G" "A" "C" "C" "A" "T" "A" "C" "T" "G"
## [17551] "G" "T" "A" "A" "T" "C" "A" "A" "A" "C" "C" "G" "A" "C" "G" "A" "C" "A"
## [17569] "A" "C" "A" "T" "T" "C" "T" " " "C" "C" "A" "T" "A" "A" "T" "A" "C" "A"
## [17587] "A" "G" "T" "T" "C" "C" "C" "T" "T" "G" "T" "G" "T" "T" "G" "T" "A"
## [17605] "G" "A" "G" "A" "A" "C" "G" "T" "A" "A" "C" "A" "A" "C" "T" "A" "T" "T"
## [17623] "A" "C" "A" "A" "C" "A" "A" "C" "T" "C" "A" "C" "G" "T" "A" "G" "T" "A"
## [17641] "A" "T" "A" "G" "G" "T" " " "T" "G" "A" "A" "A" "G" "A" "T" "T" "C" "G"
## [17659] "T" "A" "T" "C" "A" "C" "T" "T" "T" "T" "C" "G" "T" "A" "A" "C" "A" "G"
## [17677] "A" "C" "G" "T" "A" "T" "C" "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "A"
## [17695] "A" "A" "A" "C" "G" "G" "G" "A" "G" "A" "A" "C" "A" "G" "G" "A" "G" "T"
## [17713] "C" "T" "A" "G" "A" " " "T" "C" "G" "G" "A" "C" "A" "A" "A" "A" "T" "A" "T"
## [17731] "G" "T" "A" "A" "A" "C" "C" "C" "A" "G" "T" "A" "T" "C" "G" "A" "A" "C"
## [17749] "T" "A" "G" "T" "C" "G" "G" "T" "A" "G" "A" "A" "A" "A" "G" "G" "T" "T"
## [17767] "G" "A" "A" "T" "G" "C" "A" "A" "C" "G" "T" "A" "C" "C" "G" "A" "C" "G"
## [17785] "T" "A" "G" "T" " "G" "C" "C" "A" "G" "T" "T" "T" "A" "A" "G" "T" "C"
## [17803] "T" "A" "A" "A" "T" "C" "G" "G" "T" "G" "T" "A" "A" "G" "T" "T" "T" "C"
## [17821] "T" "G" "A" "A" "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "A" "T" "T"
  [17839] "C" "T" "T" "G" "T" "T" "G" "A" "A" "G" "T" "C" "T" "T" "A" "G" "T" "G"
## [17857] "G" "T" "A" " "A" "T" "C" "G" "T" "T" "G" "T" "C" "G" "G" "A" "C" "G"
## [17875] "A" "G" "T" "A" "T" "T" "C" "G" "A" "A" "G" "A" "A" "C" "T" "C" "G" "T"
## [17893] "C" "A" "T" "C" "G" "T" "T" "T" "T" "C" "G" "A" "C" "G" "T" "A" "T" "A"
## [17911] "C" "T" "A" "C" "C" "T" "T" "C" "C" "C" "T" "T" "G" "A" "T" "T" "T" "G"
## [17929] "A" "G" " " "A" "C" "T" "C" "C" "G" "A" "T" "A" "T" "C" "G" "A" "A" "C"
## [17947] "A" "T" "T" "C" "C" "A" "A" "C" "G" "G" "G" "A" "C" "A" "A" "C" "A" "G"
## [17965] "G" "T" "C" "G" "T" "A" "A" "G" "A" "A" "G" "T" "G" "T" "T" "T" "T" "C"
## [17983] "G" "A" "A" "C" "A" "A" "A" "T" "A" "C" "A" "G" "A" "T" "G" "T" "C" "G"
## [18001] "T" " " "G" "G" "G" "A" "C" "G" "T" "A" "C" "C" "T" "T" "T" "C" "G" "T"
## [18019] "T" "T" "T" "G" "T" "C" "T" "T" "C" "A" "T" "C" "A" "C" "A" "C" "T" "T" "T"
## [18037] "G" "G" "T" "A" "A" "A" "A" "A" "G" "T" "T" "T" "C" "C" "G" "A" "A"
## [18055] "G" "T" "C" "A" "T" "C" "A" "T" "A" "G" "A" "A" "A" "T" "C" "G" "A" "T"
## [18073] " " "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "A" "A" "A" "C" "A"
## [18091] "T" "T" "G" "A" "C" "C" "T" "G" "T" "G" "T" "A" "A" "C" "T" "C" "G" "G"
  [18109] "G" "T" "G" "T" "T" "A" "A" "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A"
  [18127] "A" "G" "A" "T" "G" "A" "G" "A" "C" "T" "C" "A" "A" "C" "A" "A" "C" " "
  [18145] "G" "T" "T" "T" "T" "G" "A" "C" "T" "C" "T" "C" "A" "T" "T" "C" "T" "G"
## [18163] "A" "T" "G" "A" "C" "T" "A" "C" "A" "C" "G" "T" "G" "A" "A" "A" "T" "G"
## [18181] "T" "A" "G" "A" "C" "T" "G" "T" "A" "A" "A" "A" "T" "C" "T" "G" "A" "C"
## [18199] "A" "T" "G" "T" "C" "A" "C" "C" "G" "A" "T" "G" "A" "A" "A" "A" "C" " " "T"
## [18217] "A" "T" "G" "T" "T" "C" "C" "A" "A" "A" "C" "G" "G" "T" "G" "G" "T" "T"
```

```
## [18253] "A" "C" "T" "C" "A" "A" "A" "C" "T" "T" "C" "C" "G" "T" "A" "G" "A" "T"
  [18289] "T" "C" "A" "T" "C" "A" "G" "G" "G" "A" "C" "A" "C" "T" "T" "A" "A" "G"
## [18307] "T" "A" "T" "A" "T" "A" "G" "A" "T" "T" "T" "T" "G" "A" "G" "G" "A" "C" "A"
## [18325] "C" "A" "T" "C" "T" "T" "G" "A" "T" "T" "C" "A" "T" "T" "A" "G" "T"
## [18343] "A" "T" "T" "T" "G" "T" "G" "G" "T" "T" "C" "T" "C" "A" " " "G" "T" "C"
## [18361] "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "G" "C" "C" "A" "A" "C" "T" "C"
## [18379] "A" "T" "T" "T" "G" "T" "T" "T" "C" "T" "C" "C" "G" "G" "T" "T" "T"
  [18397] "C" "A" "T" "T" "G" "T" "T" "C" "A" "T" "G" "T" "T" "T" "T" "T" "A" "T"
  [18415] "C" "G" "G" "A" "T" "T" "C" "T" "T" "T" "G" "T" "T" "T" " "A" "T" "T" "T"
  [18433] "G" "A" "T" "C" "G" "T" "A" "A" "T" "A" "T" "G" "T" "G" "A" "C" "T" "T"
## [18451] "C" "A" "C" "A" "T" "A" "A" "T" "G" "G" "T" "C" "A" "A" "T" "A" "C" "T"
## [18469] "T" "C" "T" "T" "T" "A" "T" "C" "C" "C" "G" "T" "T" "A" "T" "G" "A"
## [18487] "G" "T" "T" "G" "T" "G" "T" "G" "T" "A" "T" "T" " " "T" "T" "T" "T" "G" "T"
## [18505] "T" "A" "T" "G" "G" "A" "G" "A" "C" "C" "G" "G" "T" "T" "T" "T" "T" "G"
## [18523] "T" "A" "C" "T" "G" "T" "C" "A" "A" "C" "A" "T" "T" "G" "A" "T" "G" "A" "T"
  Γ18541]
         "G" "G" "A" "C" "T" "C" "A" "T" "C" "A" "A" "T" "C" "T" "T" "C" "T" "T"
## [18559] "T" "G" "T" "C" "T" "C" "T" "A" "A" "T" "A" " " "T" "T" "C" "T" "C" "G"
## [18577] "G" "G" "T" "G" "T" "A" "C" "C" "T" "T" "T" "A" "C" "C" "G" "A" "A" "C"
## [18595] "T" "A" "G" "A" "T" "T" "T" "C" "G" "T" "A" "A" "T" "G" "G" "T" "A" "T"
## [18613] "T" "A" "T" "T" "T" "G" "A" "A" "A" "A" "T" "A" "T" "T" "T" "G" "C" "T" "C"
## [18631] "A" "C" "A" "G" "T" "T" "C" "T" "G" "T" " " "A" "A" "G" "T" "A" "T" "T"
## [18649] "C" "A" "C" "A" "G" "G" "T" "G" "T" "G" "A" "G" "A" "G" "G" "A" "T" "C"
## [18667] "G" "T" "G" "G" "T" "A" "G" "T" "A" "G" "T" "A" "T" "G" "T" "G" "T" "C"
## [18685] "A" "A" "G" "A" "A" "C" "G" "A" "C" "G" "A" "G" "T" "A" "T" "T" "C" "C" "T"
  [18703] "A" "A" "T" "C" "A" "T" "T" "G" "T" " " "G" "A" "T" "G" "A" "T" "C" "G" "A"
## [18721] "C" "T" "A" "C" "G" "T" "A" "T" "G" "T" "A" "T" "G" "T" "G" "T" "C"
  [18739] "A" "G" "A" "A" "A" "A" "T" "C" "G" "A" "A" "G" "T" "T" "T" "G" "A" "T"
## [18757] "C" "A" "T" "A" "G" "T" "T" "G" "G" "T" "A" "T" "A" "G" "G" "T" "T" "G"
## [18775] "G" "T" "A" "C" "A" "G" "T" "A" " "T" "T" "A" "T" "G" "C" "G" "T" "A"
## [18793] "G" "T" "G" "G" "G" "T" "T" "G" "A" "T" "C" "G" "T" "C" "C" "G" "T" "A"
  [18829] "T" "C" "G" "A" "T" "G" "T" "C" "A" "C" "C" "G" "T" "T" "C" "T" "C" "T"
## [18865] "T" "C" "T" "C" "T" "T" "A" "C" "G" "T" "A" "C" "G" "A" "A" "T" "A"
## [18883] "C" "A" "A" "A" "C" "T" "G" "T" "T" "G" "T" "A" "G" "T" "A" "A" "C"
## [18901] "G" "T" "T" "T" "T" "C" "G" "T" "C" "T" "G" "T" "A" "T" "C" "G" "T" "T"
## [18919] "A" "T" "T" "A" "T" "G" " " "G" "G" "T" "A" "T" "C" "G" "T" "T" "T"
## [18937] "C" "C" "A" "T" "T" "T" "T" "C" "C" "G" "T" "A" "A" "A" "A" "A" "G" "T"
## [18973] "C" "T" "G" "G" "T" "A" "A" "C" "T" "C" "A" "T" "G" "A" "G" "A" "C" "C"
## [18991] "T" "G" "A" "T" "T" " " "T" "T" "G" "A" "T" "T" "T" "T" "C" "A" "C" "T"
## [19009] "T" "C" "A" "G" "T" "T" "T" "T" "A" "A" "C" "A" "C" "T" "C" "A" "T" "T"
## [19027] "G" "T" "T" "G" "G" "T" "C" "A" "C" "A" "C" "A" "C" "A" "C" "A" "T" "G" "G"
## [19045] "G" "A" "A" "C" "T" "A" "A" "C" "A" "A" "G" "A" "A" "A" "A" "A" "G" "T" "G"
## [19063] "A" "C" "G" "T" " "G" "A" "A" "A" "C" "C" "T" "T" "T" "C" "A" "T" "T"
         "G" "T" "G" "G" "A" "C" "T" "C" "G" "T" "A" "A" "C" "A" "G" "A" "T" "T"
  [19081]
  [19099] "G" "T" "T" "G" "T" "A" "G" "T" "T" "T" "T" "C" "C" "A" "C" "A" "T" "T"
  [19117] "T" "A" "A" "G" "T" "A" "G" "A" "A" "G" "A" "T" "T" "A" "T" "T" "T" "T" "C"
## [19135] "G" "T" "G" " "A" "T" "G" "G" "G" "T" "T" "A" "T" "A" "C" "C" "A" "T"
  ## [19171] "A" "C" "G" "T" "C" "A" "T" "T" "A" "A" "G" "A" "A" "A" "A" "T" "T" "A"
## [19189] "C" "T" "T" "C" "G" "T" "G" "T" "G" "T" "A" "T" "A" "G" "A" "T" "T" "T"
## [19207] "T" "G" " " "C" "C" "G" "T" "T" "A" "A" "G" "G" "T" "C" "A" "A" "A" "C"
```

```
## [19225] "T" "C" "G" "T" "C" "T" "T" "T" "C" "T" "C" "C" "A" "G" "G" "A" "T" "C"
  [19243] "A" "T" "A" "C" "A" "G" "T" "T" "G" "T" "A" "C" "C" "A" "G" "A" "A" "C"
## [19261] "A" "C" "A" "A" "T" "C" "T" "C" "C" "A" "A" "G" "T" "A" "T" "T" "A" "A"
## [19279] "C" " " "A" "T" "G" "A" "A" "G" "T" "A" "T" "C" "G" "G" "T" "G" "T" "T"
## [19297] "C" "C" "A" "A" "T" "T" "T" "C" "A" "G" "T" "A" "A" "T" "T" "C" "T" "C"
## [19315] "A" "A" "C" "A" "C" "C" "A" "T" "T" "T" "A" "G" "C" "T" "A" "A" "C" "T"
## [19333] "C" "T" "T" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "A" "G" "G" "T" "A"
## [19351] " " "A" "A" "T" "A" "T" "G" "T" "C" "G" "T" "C" "G" "C" "A" "T" "G"
  [19369] "T" "T" "G" "G" "T" "T" "C" "G" "A" "T" "T" "T" "T" "G" "T" "A" "A" "T"
## [19387] "T" "G" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C" "A" "C" "A" "G" "G"
  [19405] "C" "A" "T" "G" "G" "T" "C" "G" "A" "C" "G" "A" "A" "A" "C" "A" "C" "A" "C" "G" " "
## [19423] "A" "C" "A" "A" "A" "C" "G" "G" "A" "C" "A" "G" "T" "T" "G" "T" "T" "T"
## [19441] "T" "C" "C" "A" "G" "G" "T" "A" "T" "T" "T" "T" "C" "A" "A" "T" "G" "G"
## [19459] "A" "A" "G" "A" "T" "T" "C" "A" "G" "A" "C" "A" "C" "G" "G" "T" "C" "G"
## [19477] "T" "A" "C" "T" "T" "G" "A" "G" "G" "T" "C" "A" "A" "C" "C" "A" " T"
## [19495] "T" "A" "A" "G" "G" "T" "A" "T" "A" "C" "C" "A" "C" "G" "T" "A" "C" "A"
  [19513] "T" "T" "G" "T" "T" "T" "T" "T" "C" "T" "C" "T" "G" "T" "G" "T" "C" "A"
  [19531] "G" "T" "A" "T" "T" "A" "G" "A" "T" "A" "C" "A" "A" "T" "T" "T" "T" "T" "G"
## [19549] "G" "T" "T" "G" "T" "G" "A" "T" "G" "G" "T" "G" "T" "A" "C" " " "T" "T"
## [19567] "G" "G" "T" "A" "A" "T" "T" "C" "C" "T" "T" "A" "C" "T" "T" "G" "G" "G"
## [19585] "A" "A" "T" "T" "A" "T" "C" "A" "C" "T" "T" "T" "A" "A" "C" "C" "C" "G"
## [19603] "G" "A" "G" "T" "A" "T" "C" "G" "T" "G" "T" "A" "A" "C" "C" "A" "T" "T"
## [19621] "T" "G" "T" "G" "G" "T" "C" "T" "A" "C" "C" "A" "C" "T" " " "T" "G" "G"
## [19639] "T" "A" "A" "C" "A" "T" "T" "G" "T" "T" "C" "G" "A" "T" "T" "G" "T" "G"
## [19657] "A" "C" "T" "T" "T" "T" "C" "A" "G" "A" "C" "A" "G" "A" "C" "C"
  [19675] "A" "A" "C" "T" "T" "A" "C" "G" "C" "T" "T" "G" "T" "T" "T" "G" "A" "A"
## [19693] "T" "A" "T" "G" "A" "A" "T" "C" "C" "A" "C" "A" "G" " " "A" "A" "T" "C"
  [19711] "C" "T" "A" "A" "C" "C" "G" "A" "C" "A" "T" "A" "G" "T" "T" "G" "G" "A"
## [19729] "A" "T" "T" "C" "G" "A" "A" "T" "T" "C" "A" "T" "G" "T" "G" "T" "T" "A"
## [19747] "A" "A" "A" "C" "G" "T" "A" "T" "C" "T" "T" "A" "C" "A" "G" "G" "T" "T"
## [19765] "A" "T" "T" "G" "G" "G" "A" "C" "T" "C" "A" "A" " " "C" "T" "T" "G" "T"
  [19783] "A" "A" "T" "G" "G" "T" "C" "G" "G" "A" "C" "A" "T" "G" "G" "T" "T" "C"
  [19801] "T" "T" "T" "A" "A" "T" "A" "C" "T" "A" "A" "T" "C" "T" "G" "A" "A" "T"
## [19819] "G" "C" "T" "T" "A" "C" "T" "C" "A" "T" "T" "T" "A" "G" "A" "A" "G" "T"
## [19837] "A" "T" "T" "A" "A" "T" "C" "C" "C" "A" "A" " " "T" "T" "C" "G" "T" "A"
## [19855] "C" "A" "G" "A" "A" "G" "T" "C" "T" "C" "T" "C" "A" "C" "G" "T" "C" "T" "A"
## [19873] "G" "T" "G" "T" "A" "C" "A" "G" "A" "C" "C" "T" "G" "T" "C" "A" "T"
## [19891] "T" "T" "G" "A" "T" "G" "C" "A" "G" "T" "A" "G" "T" "T" "C" "G" "T"
## [19909] "T" "T" "C" "T" "G" "G" "C" "A" "A" "T" " " "T" "C" "A" "C" "A" "T" "C"
## [19927] "A" "A" "C" "A" "T" "G" "G" "T" "G" "T" "T" "C" "A" "A" "T" "G" "A" "A" "A"
## [19945] "C" "A" "T" "G" "G" "T" "A" "T" "G" "T" "T" "G" "G" "G" "A" "G" "T" "T"
## [19963] "G" "A" "A" "A" "T" "G" "G" "T" "C" "T" "A" "C" "C" "C" "T" "T" "A" "C"
## [19981] "G" "G" "T" "A" "A" "A" "A" "G" " " "A" "T" "T" "T" "T" "T" "G" "G" "T"
## [19999] "G" "A" "G" "A" "C" "G" "T" "T" "T" "T" "G" "T" "C" "G" "A" "C" "T" "C"
## [20017] "C" "A" "C" "T" "A" "T" "C" "T" "C" "C" "A" "A" "A" "C" "A" "C" "C" "A"
## [20035] "C" "C" "A" "A" "C" "C" "A" "T" "T" "T" "C" "T" "T" "G" "T" "A" "G" "T"
   [20053] "C" "T" "T" "G" "G" "A" "C" "T" " "C" "A" "A" "T" "G" "A" "C" "T" "T"
  [20071] "C" "A" "G" "T" "A" "A" "C" "T" "C" "T" "C" "G" "G" "A" "A" "A" "A" "C" "G"
  [20089] "C" "T" "C" "T" "A" "C" "T" "G" "T" "T" "G" "T" "T" "C" "G" "T" "C" "G"
## [20107] "A" "A" "G" "A" "G" "A" "C" "A" "T" "C" "G" "A" "T" "C" "A" "A" "C" "A"
          "T" "A" "G" "G" "T" "A" "A" " " "C" "G" "A" "G" "G" "T" "G" "A" "T" "T"
   [20125]
## [20143] "T" "T" "A" "T" "G" "A" "A" "C" "A" "T" "G" "A" "A" "T" "A" "A" "T" "A"
## [20161] "T" "T" "T" "C" "T" "C" "G" "A" "T" "T" "C" "A" "T" "A" "G" "A" "T" "A"
## [20179] "A" "T" "A" "T" "A" "A" "C" "G" "C" "A" "T" "T" "C" "T" "C" "C" "A" "T"
```

```
## [20197] "T" "A" "T" "C" "G" "T" " "G" "T" "A" "G" "T" "G" "A" "T" "G" "C" "G"
   [20215] "T" "T" "G" "A" "A" "A" "T" "C" "T" "A" "T" "G" "T" "A" "A" "A" "A" "A" "A"
  [20233] "A" "A" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "T" "T" "T" "C" "C" "A" "C"
  [20251] "G" "T" "G" "T" "C" "G" "C" "G" "T" "C" "G" "A" "A" "G" "A" "A" "G" "A" "A" "G" "T"
## [20269] "T" "T" "T" "C" "A" " " "T" "G" "A" "T" "T" "T" "C" "C" "T" "T" "T" "G"
## [20287] "T" "G" "G" "T" "A" "A" "T" "T" "T" "C" "T" "G" "A" "T" "G" "T" "G" "C"
## [20305] "A" "G" "A" "G" "A" "A" "A" "T" "C" "C" "A" "T" "T" "A" "A" "T" "G" "A"
## [20323] "T" "T" "T" "C" "T" "T" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C"
  [20341] "G" "A" "A" "A" "A" " "C" "A" "C" "C" "T" "T" "T" "A" "T" "G" "T" "T" "T"
  [20359] "A" "C" "T" "A" "T" "A" "T" "T" "C" "G" "T" "T" "A" "A" "C" "A" "A" "T"
  [20377] "A" "G" "G" "T" "C" "T" "T" "T" "C" "C" "A" "T" "G" "A" "T" "T" "T" "T" "C"
## [20395] "C" "A" "C" "A" "C" "T" "T" "G" "T" "A" "T" "T" "G" "G" "T" "A" "G" "G"
  [20413] "T" "G" "A" " " "C" "T" "T" "A" "T" "A" "C" "A" "C" "G" "A" "T" "T" "T"
## [20431] "T" "T" "T" "C" "T" "T" "G" "T" "A" "G" "T" "A" "A" "A" "T" "C" "A" "T"
## [20449] "T" "C" "T" "A" "T" "T" "T" "T" "A" "C" "A" "G" "T" "T" "C" "A" "T" "G"
## [20467] "T" "T" "C" "A" "T" "T" "A" "T" "T" "G" "T" "C" "T" "T" "A" "T" "T"
  [20485] "T" "G" " "T" "G" "G" "T" "C" "C" "A" "T" "T" "C" "T" "T" "A" "C" "T"
  [20503] "C" "A" "T" "T" "T" "G" "A" "C" "C" "A" "C" "A" "A" "T" "T" "T" "G" "T"
  [20521] "C" "T" "C" "A" "T" "G" "T" "C" "A" "C" "T" "T" "A" "C" "T" "A"
## [20539] "T" "T" "C" "C" "T" "T" "A" "T" "C" "A" "T" "T" "T" "C" "A" "T" "A" "A"
## [20557] "T" " " "T" "T" "C" "C" "G" "T" "T" "G" "A" "T" "G" "T" "A" "C" "T" "G"
## [20575] "A" "T" "A" "T" "A" "A" "G" "T" "G" "G" "T" "T" "T" "T" "T" "C" "G" "A" "G"
## [20593] "A" "A" "G" "A" "T" "T" "T" "G" "G" "A" "G" "T" "A" "T" "T" "T" "T" "A"
## [20611] "T" "C" "A" "T" "C" "C" "G" "T" "T" "C" "C" "G" "T" "A" "C" "A" "A" "T"
  [20629] " " "G" "A" "T" "G" "C" "T" "A" "T" "C" "G" "A" "T" "G" "T" "T" "A" "T"
  [20647] "G" "G" "T" "G" "G" "T" "C" "G" "A" "T" "G" "A" "T" "A" "T" "C" "T" "A"
## [20665] "C" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G" "G" "T" "T" "T" "C" "G" "T"
  [20683] "G" "G" "T" "T" "A" "T" "C" "C" "A" "A" "C" "T" "T" "A" "A" "T" "C" " "
## [20701] "A" "C" "C" "A" "C" "A" "T" "T" "T" "G" "T" "A" "T" "A" "A" "T" "C" "A"
## [20719] "T" "T" "C" "A" "T" "T" "A" "A" "A" "T" "G" "T" "C" "G" "T" "A" "G"
## [20737] "A" "T" "G" "T" "G" "G" "T" "G" "T" "C" "T" "T" "T" "T" "T" "G" "A" "G" "G"
  [20755] "A" "C" "C" "A" "T" "T" "T" "C" "T" "A" "G" "A" "C" "A" "T" "T" " "A"
  [20773] "T" "T" "A" "G" "T" "A" "A" "C" "A" "A" "T" "T" "C" "A" "T" "G" "G" "G"
  [20791] "T" "A" "G" "A" "T" "G" "G" "T" "G" "A" "T" "C" "A" "T" "C" "A" "T"
## [20809] "G" "T" "G" "T" "T" "T" "G" "T" "G" "T" "C" "G" "A" "A" "G" "A" "C"
## [20827] "T" "A" "G" "A" "A" "A" "G" "T" "G" "T" "C" "A" "C" "G" " " "G" "C"
## [20845] "A" "C" "G" "G" "A" "T" "G" "T" "C" "A" "T" "G" "A" "G" "T" "C" "T" "T"
## [20863] "A" "G" "T" "T" "T" "T" "C" "A" "A" "A" "A" "T" "G" "G" "T" "G" "A"
## [20881] "G" "A" "T" "T" "G" "T" "C" "T" "T" "G" "G" "A" "A" "G" "T" "T" "C" "C"
  [20899] "A" "T" "C" "C" "A" "C" "A" "A" "T" "C" "C" "T" "T" "T" "T" " "A" "A" "C"
##
  [20917] "T" "T" "A" "T" "T" "A" "T" "C" "T" "C" "G" "G" "T" "A" "G" "G" "T" "A"
## [20935] "C" "T" "C" "G" "T" "G" "T" "A" "T" "G" "C" "A" "C" "A" "C" "A" "G"
## [20953] "T" "C" "C" "C" "G" "C" "A" "T" "T" "T" "G" "A" "A" "A" "A" "G" "T" "A" "T"
## [20971] "T" "C" "G" "T" "T" "G" "T" "C" "T" "G" "G" "A" " " "A" "G" "A" "T"
## [20989] "C" "A" "T" "G" "T" "A" "A" "C" "C" "A" "T" "A" "G" "T" "A" "T" "T" "G"
## [21007] "T" "T" "A" "T" "A" "C" "C" "A" "T" "G" "A" "C" "C" "G" "A" "A" "T" "G"
          "G" "T" "C" "T" "T" "C" "G" "T" "A" "G" "A" "A" "A" "T" "T" "T" "T" "T"
   [21025]
  [21043] "A" "A" "C" "A" "T" "G" "T" "A" "A" "G" "T" "C" " " "G" "T" "C" "G" "G"
  ## [21079] "C" "G" "T" "T" "T" "C" "A" "G" "T" "C" "A" "C" "A" "T" "G" "A" "G" "A"
          "T" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "A" "C" "C" "A" "C" "A" "C"
  [21097]
## [21115] "A" "T" "T" "G" "T" "C" "T" "A" "C" "A" "A" " " "T" "G" "G" "T" "T" "G"
## [21133] "A" "C" "G" "T" "G" "A" "T" "T" "T" "T" "G" "A" "G" "A" "T" "C" "C"
## [21151] "A" "T" "T" "C" "T" "T" "A" "C" "G" "T" "T" "T" "T" "T" "T" "C" "A" "G"
```

```
## [21169] "T" "G" "G" "T" "A" "A" "T" "C" "A" "A" "C" "A" "C" "G" "C" "A" "T" "T"
  [21187] "A" "T" "A" "G" "C" "A" "C" "G" "G" "T" " " "C" "C" "G" "T" "T" "T" "T" "G"
## [21223] "G" "A" "A" "G" "A" "G" "A" "C" "A" "A" "T" "A" "C" "T" "G" "A" "C"
## [21241] "G" "T" "C" "G" "T" "T" "A" "G" "T" "T" "A" "C" "C" "C" "G" "T" "T" "C"
## [21259] "G" "A" "A" "A" "C" "A" "G" "T" "A" " " "A" "T" "C" "A" "T" "A" "T" "T"
## [21277] "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "C" "G" "A" "C" "C" "G" "A" "T"
## [21295] "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "G" "T" "T" "T" "T" "A" "G" "T"
  [21331] "G" "T" "T" "C" "A" "T" "A" "G" " " "A" "C" "A" "T" "C" "T" "A" "C" "G"
  [21349] "A" "T" "A" "C" "A" "G" "T" "G" "C" "T" "C" "A" "C" "T" "G" "T" "G" "G"
## [21367] "T" "G" "G" "T" "A" "G" "T" "T" "A" "T" "C" "G" "G" "A" "A" "C" "A" "T"
  [21385] "A" "G" "G" "A" "T" "A" "C" "T" "A" "A" "A" "G" "T" "G" "A" "A" "C" "T"
## [21403] "T" "T" "T" "C" "A" "G" "T" " "C" "A" "T" "A" "C" "A" "A" "A" "A" "T" "C"
## [21421] "T" "G" "T" "A" "C" "T" "G" "T" "A" "C" "T" "T" "G" "T" "C" "C" "A" "C"
## [21439] "A" "A" "T" "A" "A" "T" "T" "T" "A" "T" "C" "T" "T" "T" "T" "A" "T" "C"
  ## [21475] "G" "T" "T" "C" "A" "C" " "A" "T" "T" "G" "A" "A" "A" "A" "T" "T" "A" "A"
## [21493] "T" "T" "G" "A" "C" "G" "A" "A" "G" "T" "T" "G" "G" "T" "T" "A" "A" "T"
## [21511] "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "G" "G" "T" "G" "G" "G"
## [21529] "A" "A" "T" "T" "C" "A" "C" "G" "A" "T" "A" "G" "A" "A" "A" "A" "C" "A" "A"
## [21547] "C" "A" "A" "T" "G" " " "T" "T" "G" "T" "A" "A" "T" "T" "G" "T" "T" "G"
## [21565] "A" "A" "C" "A" "G" "A" "T" "C" "A" "T" "C" "A" "A" "C" "G" "T" "G" "T"
## [21583] "A" "C" "A" "G" "T" "T" "G" "A" "A" "T" "T" "T" "T" "T" "C" "C" "A" "T" "T"
## [21601] "C" "A" "A" "T" "A" "A" "G" "A" "A" "A" "A" "A" "T" "C" "G" "T" "C" "G"
  [21619] "T" "G" "A" "T" " " "G" "C" "A" "T" "A" "A" "A" "C" "A" "A" "A" "A" "A" "G"
## [21637] "C" "A" "T" "C" "A" "A" "C" "A" "G" "T" "C" "T" "G" "T" "T" "A" "C"
  [21655] "T" "G" "T" "A" "C" "T" "T" "T" "A" "G" "A" "A" "A" "T" "T" "G" "C" "A"
## [21673] "A" "G" "G" "T" "A" "T" "A" "G" "T" "T" "T" "C" "G" "T" "T" "A" "C" "A"
## [21691] "A" "C" "A" " "C" "T" "G" "A" "A" "A" "A" "A" "C" "G" "A" "T" "G" "G"
## [21709] "A" "C" "G" "C" "G" "T" "A" "A" "T" "A" "T" "A" "C" "T" "G" "C" "G"
  [21727] "C" "G" "T" "G" "A" "T" "G" "T" "C" "A" "G" "T" "T" "A" "T" "G" "T" "T"
## [21745] "C" "G" "T" "G" "G" "T" "T" "C" "C" "A" "G" "T" "G" "C" "C" "C" "C" "A"
## [21763] "C" "A" " " "G" "T" "A" "C" "A" "A" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A"
## [21781] "C" "A" "A" "T" "A" "T" "C" "C" "A" "C" "T" "C" "G" "T" "A" "T" "A" "T"
## [21799] "C" "A" "A" "T" "A" "A" "T" "G" "T" "T" "G" "A" "T" "A" "G" "C" "G" "G"
## [21817] "T" "C" "A" "T" "T" "G" "A" "A" "G" "A" "T" "A" "C" "A" "G" "T" "C" "T"
## [21835] "A" " " "A" "C" "T" "A" "C" "A" "C" "T" "G" "T" "T" "A" "A" "A" "A" "T" "T"
## [21853] "C" "T" "G" "T" "A" "A" "G" "T" "T" "G" "T" "T" "G" "T" "A" "G" "A" "A"
## [21871] "A" "T" "C" "A" "A" "A" "G" "A" "T" "G" "T" "A" "G" "A" "C" "T" "T" "A"
## [21889] "G" "T" "T" "G" "T" "T" "G" "G" "G" "A" "A" "C" "G" "G" "C" "T" "C"
## [21907] " " "G" "A" "C" "G" "A" "C" "T" "T" "T" "A" "T" "T" "T" "T" "T" "C" "A" "T"
## [21925] "C" "T" "A" "T" "T" "C" "T" "G" "T" "A" "A" "C" "A" "G" "A" "T" "T" "C"
## [21943] "C" "T" "G" "T" "G" "T" "A" "A" "G" "A" "A" "A" "C" "G" "T" "T" "C" "A"
## [21961] "A" "G" "T" "C" "G" "A" "A" "G" "A" "C" "G" "T" "C" "A" "A" "C" "G" " "
## [21979] "T" "T" "G" "A" "T" "C" "A" "C" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A"
  [21997] "A" "A" "G" "G" "T" "A" "A" "C" "C" "A" "T" "G" "C" "A" "A" "T" "T" "T"
  [22015] "T" "C" "A" "A" "C" "T" "A" "C" "T" "T" "T" "T" "G" "C" "A" "T" "A" "A"
  [22033] "T" "T" "G" "C" "A" "T" "T" "C" "G" "T" "A" "G" "T" "T" "T" "G" " " " "T"
## [22051] "A" "A" "A" "A" "T" "T" "G" "A" "C" "G" "T" "T" "G" "A" "A" "G" "G" "C"
          "G" "T" "G" "A" "T" "A" "G" "T" "G" "G" "T" "T" "G" "T" "A" "G" "T" "C"
## [22069]
## [22087] "T" "G" "T" "G" "A" "T" "T" "A" "C" "G" "G" "A" "C" "T" "A" "G" "A" "T"
## [22105] "C" "A" "T" "T" "G" "T" "C" "A" "T" "A" "T" "C" "C" "A" "A" " " "C" "T"
## [22123] "G" "T" "G" "T" "A" "T" "T" "C" "G" "A" "C" "T" "G" "A" "C" "A" "T" "C"
```

```
## [22141] "A" "T" "T" "T" "G" "T" "C" "T" "G" "C" "G" "A" "C" "T" "A" "A" "A" "A" "A"
  [22159] "C" "G" "T" "C" "T" "A" "C" "T" "A" "A" "G" "A" "A" "G" "T" "G" "T" "A"
## [22177] "A" "A" "A" "C" "T" "A" "A" "A" "G" "T" "G" "G" "T" "A" "G" " " "T" "T" "T"
## [22213] "G" "T" "T" "A" "C" "T" "T" "G" "G" "A" "A" "A" "T" "C" "A" "C" "A" "A" "A"
## [22231] "T" "A" "A" "T" "C" "G" "A" "G" "A" "G" "T" "C" "C" "A" "A" "C" "A" "G"
## [22249] "A" "T" "T" "C" "A" "A" "T" "T" "G" "T" "T" "T" "T" "T" " "A" "C" "T" "C"
## [22267] "T" "C" "T" "C" "T" "C" "T" "A" "G" "A" "G" "A" "A" "A" "G" "T" "A"
## [22285] "T" "T" "C" "A" "G" "A" "A" "A" "C" "T" "G" "G" "T" "C" "G" "A" "A"
## [22303] "A" "T" "A" "G" "T" "T" "T" "C" "A" "T" "T" "T" "C" "T" "A" "C" "C" "T"
  [22321] "A" "C" "C" "T" "T" "G" "G" "T" "A" "A" "G" "A" " " "A" "G" "T" "G" "A"
## [22339] "C" "A" "T" "T" "G" "T" "G" "A" "T" "A" "G" "T" "T" "G" "C" "T" "A" "C"
## [22357] "A" "T" "T" "C" "T" "T" "C" "T" "G" "A" "C" "A" "G" "A" "G" "T" "C" "A" "T"
## [22375] "C" "C" "T" "A" "A" "A" "T" "A" "A" "C" "C" "A" "G" "A" "A" "A" "A" "T"
## [22393] "T" "T" "G" "A" "C" "A" "T" "C" "A" "C" "T" " " "G" "T" "T" "C" "A" "G"
## [22411] "A" "G" "A" "G" "C" "G" "T" "T" "G" "A" "A" "G" "T" "A" "G" "T" "G" "A"
## [22429] "T" "T" "A" "T" "T" "A" "C" "A" "T" "G" "A" "T" "G" "G" "T" "C" "G"
## [22447] "T" "G" "T" "C" "T" "T" "A" "C" "A" "T" "A" "G" "T" "G" "T" "T" "A" "A"
## [22465] "T" "T" "G" "T" "G" "T" "T" "A" "A" "G" " " "G" "T" "T" "A" "A" "C" "A"
## [22483] "C" "A" "T" "C" "A" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G" "G" "A" "A"
## [22501] "A" "T" "G" "G" "A" "G" "G" "T" "A" "A" "T" "C" "G" "T" "A" "T" "C" "T"
## [22519] "G" "T" "A" "T" "T" "T" "T" "C" "C" "T" "G" "G" "A" "A" "G" "A" "T" "T"
## [22537] "G" "T" "G" "G" "T" "A" "A" "T" "T" " " "G" "T" "T" "A" "T" "C" "A" "A"
## [22555] "C" "A" "T" "G" "T" "A" "A" "G" "C" "T" "G" "A" "G" "A" "A" "C" "A" "A" "A"
## [22573] "C" "G" "A" "G" "A" "T" "A" "A" "T" "G" "C" "A" "A" "A" "A" "C" "A" "T" "T"
  [22591] "G" "T" "G" "T" "A" "G" "T" "A" "T" "G" "T" "T" "C" "A" "A" "C" "T" "A"
## [22609] "C" "T" "A" "A" "A" "T" "G" "T" " " "T" "G" "G" "C" "A" "G" "A" "T" "G"
## [22627] "T" "T" "G" "T" "A" "C" "G" "T" "G" "T" "A" "T" "T" "G" "A" "A" "A" "A" "A"
## [22663] "A" "C" "G" "T" "T" "C" "T" "C" "T" "A" "C" "A" "T" "G" "T" "A"
## [22681] "A" "G" "A" "T" "T" "G" "G" " " " "T" "A" "T" "C" "G" "A" "C" "T" "T" "T"
  [22699] "A" "G" "C" "C" "C" "C" "G" "G" "T" "A" "A" "A" "A" "A" "A" "T" "G" "T" "T"
## [22735] "A" "T" "T" "C" "G" "G" "T" "T" "C" "T" "A" "A" "T" "G" "A" "T" "T"
## [22753] "A" "T" "T" "T" "T" "A" " " "C" "A" "T" "G" "A" "C" "G" "T" "T" "T" "T" "T"
## [22771] "A" "T" "C" "G" "A" "C" "T" "T" "T" "T" "G" "T" "T" "A" "A" "C" "G"
## [22789] "T" "A" "C" "T" "A" "A" "C" "G" "T" "C" "G" "G" "T" "T" "A" "G" "G" "T"
## [22807] "T" "C" "A" "T" "G" "T" "A" "T" "C" "T" "T" "T" "T" "T" "T" "G" "G" "A" "T"
## [22825] "C" "A" "C" "T" "T" " "T" "T" "C" "T" "T" "A" "T" "A" "T" "A" "T" "A" "C" "G"
## [22843] "G" "T" "T" "T" "T" "T" "G" "G" "T" "G" "A" "G" "A" "C" "G" "T" "T" "G"
## [22861] "A" "T" "T" "C" "G" "G" "T" "T" "T" "C" "G" "T" "C" "A" "A" "T" "T"
## [22879] "T" "A" "G" "G" "G" "T" "A" "A" "A" "T" "T" "T" "T" "C" "T" "A" "C" "T"
## [22897] "T" "T" "A" "C" " " "C" "A" "T" "T" "A" "A" "A" "C" "A" "T" "A" "T" "C"
## [22915] "A" "A" "A" "G" "A" "T" "T" "T" "C" "T" "T" "C" "C" "T" "A" "T" "C" "C"
## [22933] "A" "C" "A" "G" "A" "T" "T" "T" "C" "T" "T" "A" "G" "A" "T" "T" "T" "G"
## [22951] "G" "T" "G" "A" "T" "T" "C" "T" "G" "T" "T" "T" "G" "T" "G" "A" "T" "G"
  [22969] "T" "T" "C" " " "C" "A" "T" "A" "T" "C" "T" "T" "G" "G" "T" "C" "A" "T"
  [22987] "G" "T" "C" "A" "T" "C" "C" "A" "A" "C" "G" "T" "T" "A" "T" "C" "A" "C"
  [23005] "T" "G" "T" "A" "A" "T" "C" "A" "T" "C" "A" "A" "A" "G" "T" "T"
## [23023] "A" "T" "C" "G" "G" "A" "A" "G" "A" "G" "A" "C" "A" "T" "T" "G" "G" "T"
          "C" "A" " " "T" "G" "T" "C" "A" "T" "T" "C" "T" "T" "C" "C" "G" "T" "A"
  [23041]
## [23059] "C" "G" "G" "A" "T" "T" "T" "A" "A" "T" "C" "T" "G" "T" "A" "A" "T" "T"
## [23077] "T" "T" "G" "T" "G" "G" "A" "T" "T" "T" "C" "G" "T" "C" "G" "C" "C" "A"
## [23095] "A" "C" "T" "C" "A" "T" "C" "T" "A" "A" "T" "T" "T" "C" "T" "T" "G" "G"
```

```
## [23113] "A" " "T" "C" "C" "G" "T" "T" "T" "G" "T" "G" "A" "A" "T" "T" "A" "T"
  [23149] "A" "T" "A" "A" "A" "T" "A" "G" "T" "C" "A" "A" "A" "T" "C" "T" "T"
  [23167] "T" "T" "A" "A" "T" "C" "C" "A" "C" "T" "G" "A" "A" "G" "T" "T" "T" "A"
## [23185] " " "T" "T" "A" "A" "T" "T" "A" "C" "T" "T" "C" "G" "G" "A" "G" "A"
## [23203] "T" "C" "T" "G" "T" "T" "T" "T" "A" "A" "A" "T" "G" "G" "C" "T" "G" "T"
## [23221] "G" "A" "G" "A" "A" "T" "T" "G" "T" "C" "A" "T" "A" "A" "G" "A" "A" "A" "A"
## [23239] "C" "G" "A" "T" "A" "T" "C" "A" "T" "C" "A" "G" "C" "C" "C" "G" "T" "A" "
  [23257] "T" "C" "T" "A" "C" "G" "A" "A" "A" "T" "T" "A" "A" "A" "G" "A" "T" "C" "T"
  [23275] "T" "A" "A" "A" "C" "A" "T" "G" "A" "A" "G" "A" "T" "C" "A" "T" "T" "T"
  [23293] "T" "C" "A" "T" "G" "T" "G" "T" "T" "A" "A" "C" "A" "T" "C" "G" "T" "T"
## [23311] "A" "T" "T" "T" "C" "A" "T" "T" "T" "C" "T" "T" "T" "A" "T" "T" "T" "C"
  [23329] "C" "G" "T" "A" "T" "A" "T" "T" "A" "A" "T" "C" "A" "T" "G" "T" "T" "T"
## [23347] "G" "T" "G" "C" "C" "A" "A" "A" "T" "T" "T" "G" "T" "G" "G" "C" "A" "C"
## [23383] "A" "T" "G" "A" "T" "T" "G" "T" "T" "G" "A" "A" "A" "C" "A" " " "A" "T"
  [23401] "T" "C" "T" "T" "T" "T" "C" "C" "G" "A" "A" "T" "C" "G" "T" "A" "T" "T"
## [23419] "A" "A" "T" "C" "G" "A" "T" "A" "T" "C" "A" "T" "A" "G" "G" "G" "T" "T"
## [23437] "C" "C" "C" "T" "G" "T" "G" "A" "T" "A" "A" "T" "T" "G" "T" "C" "G" "T"
## [23455] "C" "G" "A" "T" "T" "T" "G" "G" "T" "A" "C" "T" "C" "A" " " "T" "C" "G"
## [23473] "T" "T" "C" "C" "C" "A" "A" "A" "A" "G" "T" "T" "T" "G" "G" "A" "T" "T"
## [23491] "A" "T" "G" "A" "G" "A" "T" "C" "T" "A" "T" "T" "A" "A" "G" "T" "A" "A"
## [23509] "T" "C" "C" "A" "A" "A" "G" "A" "A" "T" "T" "A" "T" "C" "A" "T" "T" "C"
## [23527] "T" "G" "A" "T" "C" "T" "T" "A" "A" "C" "A" "G" "A" " " "T" "G" "T" "A"
## [23545] "T" "T" "C" "G" "T" "C" "G" "T" "A" "A" "T" "C" "T" "A" "G" "A" "C"
  [23563] "A" "C" "A" "C" "C" "G" "G" "T" "T" "G" "G" "A" "G" "A" "A" "G" "A" "G"
## [23599] "A" "A" "C" "G" "A" "C" "C" "A" "A" "A" "T" "T" " " "C" "A" "T" "A" "T"
## [23617] "T" "A" "C" "A" "G" "A" "G" "G" "A" "T" "G" "T" "T" "G" "A" "A" "G" "C"
## [23635] "C" "A" "T" "C" "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "T" "G" "T" "G"
## [23653] "A" "G" "T" "T" "C" "T" "T" "G" "C" "A" "G" "A" "A" "A" "G" "A" "C" "A"
         "T" "A" "C" "C" "A" "T" "C" "C" "T" "A" "A" " " " "A" "A" "G" "G" "T" "G"
  [23671]
## [23689] "A" "T" "G" "A" "A" "G" "A" "A" "G" "T" "C" "T" "C" "T" "G" "A" "C" "C"
## [23707] "A" "A" "A" "A" "T" "C" "T" "A" "G" "A" "A" "G" "C" "G" "T" "C" "C" "G"
## [23725] "T" "T" "C" "T" "A" "A" "T" "A" "G" "G" "T" "A" "A" "G" "G" "G" "G" "A" "C"
## [23743] "G" "C" "G" "C" "A" "G" "G" "A" "G" "A" "G" "A" " "C" "T" "G" "A" "A" "G" "T"
## [23761] "C" "A" "T" "G" "T" "A" "G" "T" "T" "T" "G" "C" "T" "T" "A" "A" "A" "C"
## [23779] "T" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "C" "C" "A" "A" "A" "A" "A" "C"
## [23797] "A" "C" "G" "A" "G" "G" "T" "T" "T" "C" "T" "G" "T" "T" "G" "C" "A" "T"
## [23815] "A" "T" "G" "T" "G" "G" "T" "C" "C" " " "A" "T" "A" "A" "A" "A" "C" "C" "A"
## [23833] "A" "A" "T" "A" "T" "G" "C" "A" "C" "C" "G" "A" "A" "A" "T" "A" "A" "T"
## [23851] "C" "A" "A" "C" "G" "T" "A" "A" "C" "A" "A" "T" "T" "G" "T" "A" "C" "G"
## [23869] "G" "T" "T" "G" "T" "T" "A" "T" "C" "C" "A" "A" "A" "A" "T" "A" "C" "A"
## [23887] "T" "T" "G" "T" "T" "A" "A" "A" " " "T" "C" "G" "A" "G" "G" "A" "A" "A" "A"
## [23905] "G" "A" "A" "T" "T" "T" "T" "C" "T" "C" "C" "A" "C" "A" "C" "A" "T"
## [23923] "C" "A" "C" "A" "A" "A" "T" "A" "T" "T" "A" "G" "T" "T" "A" "T" "C" "G"
          "G" "T" "G" "G" "T" "G" "T" "A" "G" "T" "G" "G" "T" "A" "A" "A" "T" "T"
  [23941]
  [23977] "G" "A" "A" "A" "T" "T" "C" "G" "A" "G" "A" "G" "A" "A" "C" "T" "T" "C"
## [23995] "G" "T" "C" "C" "A" "A" "G" "A" "A" "T" "A" "T" "T" "G" "G" "T" "C"
         "A" "A" "T" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T" "T" "A" "G" "T" "A"
  [24013]
## [24031] "G" "T" "C" "G" "T" "T" " "T" "A" "A" "A" "C" "T" "A" "T" "A" "A" "T"
## [24049] "A" "G" "T" "G" "T" "A" "T" "G" "T" "T" "G" "A" "A" "T" "T" "T" "T"
## [24067] "A" "A" "T" "A" "G" "C" "T" "T" "C" "G" "A" "A" "C" "G" "C" "A" "A" "A" "A"
```

```
[24103] "T" "G" "T" "T" "C" " " "T" "A" "G" "T" "A" "A" "C" "C" "A" "A" "C"
## [24121] "G" "A" "G" "A" "C" "A" "T" "T" "T" "T" "A" "T" "T" "C" "T" "T" "A" "A"
## [24157] "C" "A" "G" "G" "T" "T" "G" "A" "A" "T" "C" "C" "T" "A" "G" "T" "T" "A"
## [24175] "A" "A" "G" "A" " "C" "A" "T" "G" "T" "T" "T" "G" "T" "T" "G" "T" "G"
## [24211] "G" "A" "C" "C" "A" "A" "A" "A" "T" "A" "C" "C" "A" "A" "C" "A" "A" "C"
## [24229] "A" "C" "A" "T" "T" "G" "A" "C" "A" "A" "A" "A" "G" "A" "A" "A" "C" "A"
## [24247] "T" "C" "T" " "T" "T" "T" "G" "T" "A" "G" "G" "C" "A" "T" "T" "A" "T"
## [24265] "C" "C" "T" "G" "G" "A" "A" "A" "C" "A" "T" "A" "A" "G" "A" "C" "T" "C"
## [24283] "C" "T" "G" "A" "A" "A" "C" "A" "T" "T" "C" "A" "T" "T" "T" "T" "C" "G" "T"
## [24301] "G" "G" "C" "A" "G" "A" "T" "A" "C" "G" "T" "T" "A" "T" "G" "T" "T" "T"
## [24319] "C" "A" " "A" "A" "G" "A" "A" "A" "T" "C" "T" "T" "C" "A" "A" "T" "A"
## [24337] "T" "A" "C" "A" "A" "A" "T" "A" "T" "C" "A" "C" "T" "G" "G" "T" "G" "T"
## [24355] "G" "A" "C" "C" "A" "T" "T" "A" "A" "T" "G" "G" "T" "C" "A" "C" "A" "T"
  [24373] "G" "A" "G" "T" "G" "A" "T" "C" "G" "T" "G" "T" "T" "C" "A" "T" "T" "T"
## [24391] "A" " "C" "A" "T" "G" "G" "T" "A" "C" "G" "A" "A" "T" "T" "C" "A" "A"
## [24409] "G" "T" "A" "T" "G" "A" "C" "T" "C" "G" "T" "C" "C" "A" "C" "C" "A" "C"
## [24427] "G" "A" "C" "T" "G" "T" "A" "G" "T" "A" "T" "T" "G" "T" "T" "T" "T" "C"
## [24445] "C" "A" "C" "T" "G" "A" "G" "G" "A" "C" "A" "A" "C" "A" "T" "G" "A" "T"
## [24463] " " "C" "T" "A" "T" "A" "A" "A" "A" "C" "A" "T" "C" "G" "A" "A" "C" "A"
## [24481] "A" "A" "T" "G" "G" "T" "G" "T" "G" "C" "A" "T" "G" "T" "T" "C" "C" "A"
## [24499] "T" "A" "G" "A" "C" "T" "T" "G" "T" "G" "G" "A" "A" "A" "G" "A" "A" "T"
## [24535] "A" "C" "A" "C" "G" "G" "G" "T" "A" "C" "A" "T" "G" "T" "A" "T" "T" "G"
## [24553] "T" "C" "G" "A" "A" "G" "A" "T" "G" "T" "G" "G" "A" "A" "T" "T" "C"
## [24571] "C" "C" "A" "A" "C" "A" "G" "A" "C" "G" "A" "C" "A" "A" "C" "A" "G" "G"
## [24607] "G" "C" "A" "A" "G" "T" "T" "C" "T" "G" "A" "G" "A" "A" "A" "A" "C" "G"
## [24625] "T" "T" "C" "T" "T" "A" "G" "A" "T" "T" "T" "A" "A" "C" "C" "G" "T" "A"
         "C" "A" "A" "C" "T" "T" "T" "G" "T" "T" "C" "A" "T" "T" "G" "A" "G" "T"
  [24643]
## [24661] "A" "A" "C" "A" "A" "G" "A" "G" "A" "T" "T" "G" "T" "A" " " "G" "T"
## [24679] "G" "G" "A" "T" "T" "G" "A" "G" "T" "G" "A" "T" "G" "A" "C" "A" "G"
## [24697] "A" "A" "T" "A" "A" "T" "G" "T" "C" "A" "T" "C" "C" "G" "A" "T" "T" "C"
## [24715] "T" "A" "T" "T" "C" "A" "C" "G" "T" "G" "T" "T" "T" "T" "T" "C" "A" "A" "T"
## [24733] "A" "G" "T" "C" "G" "A" "A" "G" "T" "G" "G" "T" "C" "G" " " " "G" "G" "A"
## [24751] "A" "C" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "C" "G" "T" "A" "G"
## [24769] "A" "A" "C" "A" "T" "C" "T" "C" "G" "T" "C" "C" "A" "C" "C" "T" "A" "A"
## [24787] "T" "T" "G" "A" "A" "G" "T" "T" "G" "A" "G" "A" "T" "A" "A" "A" "C"
## [24805] "A" "A" "C" "C" "T" "C" "A" "C" "A" "A" "T" "T" "G" " " "T" "T" "A" "C"
## [24823] "G" "T" "C" "A" "C" "C" "G" "T" "T" "C" "T" "A" "T" "T" "G" "T" "C" "A"
## [24841] "A" "C" "A" "A" "T" "A" "G" "A" "C" "G" "G" "T" "A" "A" "A" "T" "T"
## [24859] "A" "T" "C" "T" "T" "C" "A" "A" "T" "T" "T" "G" "G" "T" "A" "A" "T" "T"
## [24877] "G" "A" "A" "C" "A" "C" "C" "C" "A" "T" "A" "A" " " "A" "G" "G" "T" "G"
## [24895] "A" "A" "A" "A" "A" "T" "C" "A" "C" "A" "C" "T" "A" "A" "A" "T" "T" "A"
  [24913] "C" "G" "A" "C" "T" "G" "T" "A" "C" "A" "T" "G" "G" "A" "T" "G" "G" "G"
## [24931] "T" "C" "T" "T" "T" "T" "G" "A" "T" "C" "C" "T" "A" "G" "T" "C" "A" "A"
  [24949] "C" "A" "C" "A" "C" "C" "A" "T" "C" "A" "T" " "G" "A" "G" "A" "G" "T" "T" "T"
## [24967] "T" "C" "G" "G" "A" "G" "T" "T" "G" "T" "G" "C" "A" "T" "C" "T" "C" "A"
         "C" "A" "G" "T" "A" "G" "T" "A" "A" "T" "C" "C" "A" "T" "T" "T" "T" "G"
## [24985]
## [25003] "T" "A" "T" "T" "T" "T" "A" "C" "A" "A" "A" "A" "T" "G" "G" "A" "A" "G"
## [25021] "T" "A" "C" "A" "C" "T" "T" "A" "A" "T" " "A" "C" "T" "C" "C" "A" "A"
## [25039] "A" "A" "T" "A" "A" "A" "A" "T" "C" "A" "T" "T" "G" "T" "A" "G" "T" "C"
```

```
## [25057] "G" "A" "G" "G" "T" "A" "G" "G" "T" "T" "T" "A" "T" "T" "C" "A" "A" "C"
   [25075] "C" "T" "G" "G" "T" "T" "T" "G" "A" "C" "A" "A" "C" "A" "G" "G" "T" "A"
  [25093] "T" "A" "C" "A" "G" "T" "A" "A" "C" " " "T" "G" "T" "A" "C" " " "G" "G"
  [25111] "T" "G" "T" "T" "G" "A" "A" "C" "G" "C" "A" "C" "A" "C" "A" "C" "C"
  [25129] "A" "A" "T" "T" "A" "C" "A" "A" "C" "A" "G" "A" "T" "G" "A" "C" "A" "A" "A"
  [25147] "C" "A" "T" "T" "T" "G" "T" "G" "G" "A" "A" "T" "T" "A" "T" "C" "A" "G"
##
## [25165] "G" "A" "G" "T" "G" "A" "A" "G" " "A" "G" "A" "G" "T" "T" "T" "C" "T"
## [25183] "T" "T" "C" "T" "T" "C" "A" "C" "A" "G" "A" "A" "T" "T" "C" "T" "A" "A"
  [25201] "C" "A" "G" "T" "T" "T" "C" "C" "A" "C" "T" "A" "T" "T" "G" "A" "A" "G"
  [25219] "T" "G" "G" "T" "A" "G" "A" "T" "C" "C" "A" "C" "C" "A" "C" "A" "C" "A"
  [25237] "C" "C" "A" "T" "C" "C" "T" " "A" "A" "T" "G" "A" "T" "C" "A" "C" "A"
## [25255] "T" "T" "A" "T" "A" "T" "G" "T" "G" "A" "A" "A" "A" "T" "A" "G" "T" "G"
  [25273] "G" "A" "G" "A" "G" "A" "A" "T" "T" "C" "T" "T" "T" "A" "A" "G" "A" "T"
## [25291] "A" "T" "G" "G" "A" "T" "C" "A" "A" "C" "A" "C" "A" "T" "C" "T" "A" "A"
## [25309] "C" "A" "G" "G" "T" "C" " " "T" "A" "T" "C" "C" "T" "G" "G" "T" "T"
## [25327] "A" "G" "A" "A" "A" "T" "A" "T" "C" "C" "T" "T" "G" "G" "T" "C" "G" "T"
  [25345]
          "T" "C" "A" "C" "T" "C" "T" "A" "C" "C" "A" "A" "A" "G" "T" "T" "A" "T"
  [25363] "T" "T" "T" "A" "C" "A" "A" "G" "A" "A" "G" "T" "C" "C" "A" "C" "A" "A" "A"
  ## [25399] "T" "A" "T" "T" "G" "G" "T" "A" "A" "T" "A" "T" "G" "C" "G" "A" "C" "A"
## [25417] "T" "T" "G" "T" "C" "G" "T" "A" "G" "T" "C" "C" "A" "C" "T" "T" "C" "T"
## [25435] "T" "T" "G" "T" "C" "T" "T" "G" "A" "C" "A" "T" "C" "G" "A" "C" "C"
## [25453] "G" "T" "G" "A" " " "A" "A" "C" "T" "C" "T" "C" "T" "A" "G" "A" "G" "T"
## [25471] "A" "T" "A" "T" "G" "G" "C" "T" "C" "G" "T" "C" "G" "A" "A" "G" "A" "A" "A"
## [25489] "G" "G" "T" "T" "T" "A" "A" "A" "T" "T" "C" "G" "G" "T" "A" "C" "A" "C"
  [25507] "A" "A" "T" "G" "T" "A" "T" "C" "G" "G" "T" "T" "C" "A" "C" "C" "G" "T"
## [25525] "A" "A" "C" " " "A" "T" "T" "G" "T" "C" "T" "C" "A" "A" "A" "G" "T"
  [25543] "A" "A" "A" "T" "C" "T" "A" "G" "C" "A" "A" "T" "T" "C" "A" "C" "A" "C"
## [25561] "A" "A" "C" "T" "A" "T" "T" "C" "A" "C" "T" "G" "C" "G" "A" "T" "G" "T"
## [25579] "C" "A" "A" "C" "A" "A" "A" "A" "T" "G" "A" "C" "C" "A" "C" "A" "T" "T"
## [25597] "T" "T" " " "C" "A" "T" "T" "T" "A" "G" "A" "T" "C" "G" "T" "G" "G"
          [25615]
  [25633] "A" "A" "C" "A" "T" "A" "A" "A" "A" "T" "T" "A" "T" "G" "G" "G" "A" "A" "A"
## [25651] "T" "A" "T" "A" "A" "A" "T" "G" "C" "G" "A" "C" "A" "T" "A" "T" "C" "A"
## [25669] "A" " "C" "T" "T" "T" "G" "A" "T" "A" "C" "C" "G" "A" "A" "A" "T" "C"
## [25687] "A" "A" "A" "G" "G" "T" "G" "T" "C" "T" "C" "T" "G" "T" "C" "C" "G" "T"
## [25705] "A" "A" "T" "T" "A" "A" "A" "C" "G" "C" "A" "C" "A" "A" "A" "A" "G" "A" "A"
## [25723] "G" "A" "C" "G" "T" "A" "C" "A" "C" "G" "T" "T" "C" "G" "T" "A" "A" "A"
## [25741] " " "G" "A" "G" "C" "G" "T" "T" "T" "A" "A" "G" "G" "T" "T" "C" "T" "T"
  [25759] "T" "G" "T" "C" "A" "A" "G" "G" "T" "T" "C" "T" "T" "A" "A" "A" "A" "G" "A"
##
  [25777] "A" "C" "G" "A" "A" "G" "A" "G" "T" "A" "A" "T" "C" "T" "C" "T" "A" "T"
[25813] "T" "T" "T" "C" "C" "G" "T" "G" "A" "A" "A" "A" "A" "T" "G" "T" "G" "A" "A"
## [25831] "A" "A" "A" "T" "T" "C" "G" "T" "G" "A" "C" "A" "G" "A" "A" "A" "A" "C" "G"
## [25849] "G" "A" "G" "G" "A" "G" "A" "T" "G" "T" "C" "A" "C" "A" "T" "T" "G" "G"
## [25867] "T" "A" "A" "A" "T" "T" "T" "G" "G" "G" "A" "C" "T" "G" "G" "G" " " "C"
          "C" "C" "A" "T" "T" "C" "A" "C" "C" "A" "A" "T" "A" "T" "A" "T" "A"
   [25885]
  [25903] "A" "C" "A" "G" "A" "C" "A" "A" "C" "G" "T" "G" "A" "A" "A" "A" "A" "G"
  [25921] "A" "G" "T" "T" "T" "C" "G" "A" "A" "A" "G" "C" "G" "A" "T" "C" "G" "T"
## [25939] "A" "A" "A" "G" "T" "C" "A" "T" "C" "A" "C" "G" "G" "T" "G" " " "G" "T"
          "C" "G" "G" "A" "A" "A" "A" "A" "T" "C" "A" "T" "C" "C" "A" "T" "C" "C" "A" "T"
  [25957]
## [25975] "T" "G" "G" "T" "G" "T" "C" "G" "T" "C" "A" "A" "T" "T" "T" "T" "T" "G" "T"
## [25993] "G" "G" "G" "A" "G" "A" "A" "C" "T" "T" "G" "T" "T" "G" "T" "A" "G" "T"
## [26011] "G" "G" "G" "T" "G" "A" "T" "A" "T" "A" "T" "A" "C" "C" " " "T" "C" "G"
```

```
## [26029] "T" "A" "G" "A" "A" "A" "G" "A" "A" "A" "T" "T" "C" "T" "T" "T" "C" "A"
  [26047] "C" "T" "A" "C" "A" "G" "T" "T" "A" "C" "A" "G" "T" "G" "A" "G" "T" "G"
  [26065] "T" "T" "C" "T" "C" "A" "C" "C" "G" "T" "C" "T" "T" "A" "G" "A" "C" "C"
  [26083] "T" "A" "C" "T" "T" "C" "T" "A" "A" "C" "G" "G" "T" " " " " " " "A" "A" "T" "T"
  [26101] "A" "C" "A" "G" "T" "T" "A" "T" "A" "T" "T" "T" "C" "A" "T" "T" "G" "T"
  [26119] "T" "C" "A" "A" "A" "A" "G" "A" "C" "A" "C" "T" "C" "C" "T" "T" "G" "A"
##
## [26137] "A" "T" "C" "A" "A" "A" "G" "A" "G" "G" "T" "C" "T" "C" "A" "A" "C"
## [26155] "A" "A" "C" "A" "T" "T" "G" "A" "A" "G" "A" "A" " " " "G" "T" "T" "G" "T"
  [26173] "G" "T" "T" "C" "G" "A" "A" "A" "C" "T" "A" "A" "A" "A" "A" "A" "A" "T"
  [26191] "A" "G" "T" "A" "G" "A" "A" "C" "A" "A" "A" "A" "G" "A" "G" "A" "C" "A"
  [26209] "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "C" "A" "A" "A" "A" "T" "G" "A" "A"
## [26227] "A" "G" "T" "C" "A" "A" "T" "A" "T" "T" "T" " " "A" "C" "C" "G" "A" "A"
  ## [26263] "G" "A" "G" "T" "C" "G" "C" "T" "A" "G" "A" "A" "A" "A" "C" "A" "A" "G"
## [26281] "T" "T" "G" "A" "A" "C" "G" "A" "A" "A" "A" "G" "T" "G" "A" "G" "A" "A" "A"
## [26299] "G" "T" "A" "A" "A" "G" "G" "T" "T" "T" "T" "T" "T" "C" "G" "A" "A" "C"
  [26317] "T" "T" "T" "G" "T" "T" "C" "A" "A" "A" "C" "A" "G" "T" "A" "T" "C" "T"
  [26335] "C" "T" "A" "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "C" "T" "G" "T" "C"
## [26353] "G" "A" "T" "T" "C" "A" "T" "C" "T" "G" "T" "A" "A" "A" "A" "C" "A" "C" "G"
## [26371] "C" "T" "T" "G" "T" "C" "A" "T" "A" " " "G" "A" "T" "G" "T" "G" "T" "T"
## [26389] "T" "G" "A" "G" "A" "A" "T" "T" "T" "C" "T" "T" "A" "C" "A" "T" "A" "T"
## [26425] "G" "G" "T" "C" "G" "A" "C" "T" "A" "T" "T" "A" "T" "T" "A" "C" "C" "A"
## [26443] "C" "G" "T" "T" "C" "A" "T" "C" " "T" "T" "G" "A" "A" "G" "C" "A" "C"
[26479] "T" "C" "G" "T" "G" "A" "G" "A" "A" "T" "T" "C" "T" "T" "C" "A" "A" "C"
## [26497] "T" "T" "A" "C" "A" "G" "A" "A" "G" "T" "G" "G" "A" "A" "A" "A" "C" "A" "A"
  [26515] "T" "T" "G" "T" "A" "A" "A" " " "C" "C" "C" "G" "G" "G" "T" "T" "G" "T" "T"
## [26533] "G" "T" "A" "C" "T" "T" "C" "T" "G" "T" "C" "A" "C" "A" "A" "A" "A" "T" "C"
## [26551] "G" "T" "T" "C" "T" "A" "A" "C" "A" "C" "A" "G" "G" "C" "G" "A" "A" "T"
## [26569] "T" "T" "G" "T" "G" "T" "G" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T"
         "G" "A" "A" "A" "T" "T" " " "C" "A" "C" "C" "A" "G" "G" "T" "A" "A" "T"
  [26587]
  [26605] "C" "A" "T" "C" "G" "A" "T" "A" "C" "A" "T" "T" "A" "G" "T" "A" "G" "T"
  [26623] "C" "T" "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "T" "A" "C" "C" "G" "T"
## [26641] "A" "A" "C" "A" "A" "T" "C" "A" "T" "C" "G" "G" "A" "A" "T" "A" "A" "A" "A"
## [26659] "T" "T" "C" "C" "G" " " "A" "G" "G" "A" "C" "G" "T" "T" "G" "T" "G" "G"
## [26677] "A" "G" "G" "A" "G" "G" "T" "A" "C" "A" "A" "A" "T" "T" "C" "C" "A" "T"
## [26695] "T" "T" "G" "T" "A" "A" "C" "C" "G" "A" "C" "G" "T" "A" "A" "T" "T" "G"
[26731] "G" "A" "A" "A" " " "A" "A" "T" "C" "G" "A" "A" "G" "A" "A" "G" "G" "T"
##
  [26749] "G" "T" "T" "A" "C" "A" "G" "A" "C" "G" "T" "A" "A" "A" "A" "A" "T" "T"
## [26767] "A" "C" "A" "T" "A" "T" "G" "T" "A" "A" "C" "A" "G" "T" "C" "A" "T" "T"
## [26803] "T" "T" "G" " " "A" "T" "A" "A" "G" "T" "G" "A" "A" "G" "T" "T" "A" "T"
## [26821] "C" "A" "G" "A" "C" "T" "T" "G" "T" "T" "G" "A" "C" "C" "A" "C" "A" "T"
## [26839] "T" "C" "A" "A" "G" "G" "T" "A" "G" "A" "G" "A" "T" "T" "A" "A" "C" "T"
         "C" "C" "A" "A" "C" "T" "T" "G" "G" "A" "G" "T" "T" "G" "T" "T" "A" "A"
  [26857]
  [26875] "C" "A" " "A" "A" "C" "T" "T" "A" "T" "A" "T" "C" "A" "A" "C" "A"
  [26893] "G" "A" "C" "T" "A" "A" "C" "A" "G" "G" "A" "G" "T" "G" "A" "C" "G" "G"
## [26911] "C" "A" "G" "A" "A" "C" "A" "A" "C" "T" "G" "G" "T" "T" "G" "T" "C" "A"
         "A" "A" "C" "A" "A" "C" "T" "G" "A" "T" "A" "G" "T" "A" "G" "T" "A" "G"
  [26929]
## [26965] "C" "G" "A" "G" "A" "A" "G" "A" "G" "T" "C" "C" "A" "A" "C" "T" "T"
## [26983] "C" "T" "C" "G" "T" "C" "G" "T" "C" "T" "T" "C" "A" "C" "C" "G" "T" "G"
```

```
## [27001] "G" "T" "T" "A" "A" "G" "G" "T" "T" "T" "C" "C" "A" "A" "A" "T" "G"
  [27019] " " "G" "A" "A" "C" "C" "A" "T" "T" "A" "G" "T" "A" "G" "A" "A" "G" "T"
## [27037] "C" "A" "T" "G" "G" "T" "A" "T" "G" "A" "G" "T" "A" "T" "A" "A" "C" "T"
## [27055] "C" "A" "A" "C" "T" "A" "C" "C" "G" "A" "G" "T" "T" "T" "G" "A" "G" "A"
## [27091] "A" "A" "G" "A" "A" "G" "A" "A" "G" "T" "A" "G" "G" "A" "G" "T" "A" "G"
## [27109] "A" "C" "C" "T" "C" "C" "C" "A" "T" "T" "T" "T" "T" "C" "T" "T" "G" "T"
## [27127] "T" "A" "T" "G" "T" "A" "T" "A" "C" "A" "C" "T" "T" "C" "G" "G" "T" "T"
## [27145] "A" "A" "A" "T" "T" "T" "G" "A" "G" "T" "G" "G" "T" "C" "T" "G" " " "A"
## [27163] "G" "T" "A" "G" "T" "T" "T" "A" "T" "T" "C" "A" "T" "C" "A" "T" "A" "C"
  [27181] "A" "T" "C" "G" "G" "T" "A" "T" "G" "A" "G" "G" "T" "G" "A" "G" "A" "G" "A" "G" "A" "G" "A" "G" "T" "A"
## [27199] "G" "A" "T" "T" "A" "G" "T" "T" "A" "C" "G" "G" "G" "T" "C" "A" "C"
## [27217] "C" "A" "C" "A" "T" "T" "C" "A" "T" "A" "A" "G" "T" "C" " " "T" "A"
## [27235] "T" "G" "A" "C" "C" "A" "A" "C" "G" "T" "T" "T" "C" "A" "A" "A" "A" "A" "A"
## [27253] "T" "A" "C" "T" "G" "T" "C" "G" "T" "A" "G" "A" "C" "G" "G" "T" "G" "T"
## [27271] "T" "G" "T" "G" "T" "C" "C" "G" "C" "T" "T" "G" "A" "G" "T" "A" "A" "A"
## [27289] "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "G" "C" "T" "C" " " "A" "A" "G"
## [27307] "T" "T" "G" "A" "C" "A" "T" "A" "T" "C" "C" "G" "T" "C" "T" "C" "G" "T"
## [27325] "G" "A" "A" "G" "A" "G" "T" "A" "A" "T" "T" "C" "A" "T" "G" "A" "A" "A" "A"
## [27343] "T" "A" "G" "T" "T" "A" "G" "G" "A" "A" "A" "G" "T" "A" "G" "T" "T" "C"
## [27379] "G" "T" "G" "A" "G" "A" "A" "C" "A" "T" "T" "G" "G" "A" "A" "C" "G" "T"
## [27397] "G" "A" "A" "G" "A" "T" "A" "G" "T" "G" "T" "C" "A" "C" "A" "G" "T" "A"
## [27415] "G" "T" "G" "G" "T" "T" "T" "T" "C" "A" "T" "T" "G" "G" "A" "A" "A" "A" "C"
## [27469] "C" "A" "A" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "T" "C" "C" "A"
## [27487] "C" "G" "T" "T" "C" "C" "C" "G" "T" "G" "T" "C" "A" "T" "G" "A" "A" "A" "A"
## [27505] "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A" " " "C" "T" "A" "A" "A" "G"
## [27523] "C" "T" "C" "G" "T" "T" "G" "T" "A" "T" "T" "C" "G" "G" "G" "C" "A" "A"
## [27541] "T" "T" "A" "T" "G" "T" "T" "G" "A" "C" "A" "C" "A" "C" "A" "T" "G" "G"
## [27559] "T" "T" "G" "G" "T" "T" "A" "C" "C" "T" "C" "G" "A" "A" "G" "T" "T" "G"
## [27577] "T" "C" "G" "A" "A" "G" "T" "G" "A" "T" " "C" "A" "T" "C" "C" "A" "A" "A"
## [27595] "C" "A" "A" "G" "A" "T" "T" "A" "C" "C" "A" "A" "C" "A" "T" "T" "T" "A"
## [27613] "G" "T" "G" "G" "T" "C" "A" "A" "A" "A" "G" "T" "T" "C" "T" "G" "T" "T"
## [27631] "G" "A" "A" "G" "G" "A" "G" "A" "C" "A" "A" "T" "T" "G" "T" "G" "A" "A"
## [27649] "G" "A" "C" "A" "C" "C" "C" "T" "T" " " "C" "A" "C" "A" "A" "A" "A" "G" "A"
## [27667] "G" "G" "G" "A" "G" "A" "T" "T" "C" "T" "T" "C" "T" "A" "A" "T" "A" "A"
## [27685] "A" "G" "A" "A" "A" "A" "C" "C" "C" "C" "G" "A" "A" "A" "A" "T" "C" "T"
## [27703] "C" "C" "G" "T" "A" "C" "T" "C" "A" "T" "C" "C" "G" "G" "T" "C" "A" "A"
## [27721] "A" "G" "A" "A" "G" "A" "G" "A" " "C" "C" "T" "A" "A" "A" "A" "T" "T" "G"
## [27739] "T" "G" "T" "G" "A" "A" "A" "G" "A" "C" "A" "T" "G" "T" "T" "A" "G" "G"
## [27757] "G" "A" "A" "A" "C" "T" "C" "A" "C" "G" "C" "A" "C" "T" "G" "T" "T" "T"
## [27775] "A" "C" "A" "A" "A" "G" "T" "G" "G" "A" "T" "T" "T" "A" "A" "G" "T" "T"
## [27793] "C" "C" "G" "A" "A" "A" "T" " "T" "C" "A" "A" "A" "T" "C" "G" "A" "G"
## [27811] "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "T" "A" "T" "C" "T" "C" "A"
  [27829] "G" "T" "C" "G" "T" "G" "T" "G" "T" "T" "T" "C" "G" "G" "T" "T" "T" "T"
## [27847] "T" "A" "A" "A" "T" "A" "A" "T" "G" "T" "T" "C" "G" "A" "A" "T" "T"
  [27865] "T" "C" "T" "T" "A" "C" " " "A" "G" "A" "C" "T" "T" "G" "T" "G" "A" "G"
## [27883] "A" "G" "G" "A" "A" "T" "T" "A" "A" "A" "G" "G" "A" "A" "A" "C" "G" "T"
## [27901] "G" "T" "C" "C" "A" "C" "T" "G" "T" "A" "A" "A" "A" "C" "A" "G" "G" "T"
## [27919] "G" "G" "C" "T" "G" "T" "T" "A" "A" "A" "G" "T" "G" "T" "T" "C" "G" "T"
## [27937] "G" "T" "C" "C" "A" " " "A" "C" "T" "C" "T" "A" "T" "T" "T" "A" "A" "A" "A"
## [27955] "T" "T" "G" "T" "T" "A" "A" "A" "G" "G" "G" "T" "T" "G" "G" "C" "A" "G"
```

```
## [27973] "A" "G" "A" "T" "T" "C" "T" "T" "T" "G" "A" "G" "A" "T" "G" "T" "G" "G"
  [27991] "A" "A" "G" "G" "A" "A" "T" "T" "T" "G" "A" "A" "G" "A" "G" "A" "G"
  [28009] "T" "T" "C" "G" " " "G" "T" "T" "A" "G" "T" "T" "C" "C" "T" "G" "C" "C"
  [28027] "C" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A" "A" "G" "T" "A" "T" "T" "T"
## [28045] "G" "T" "C" "A" "C" "G" "G" "T" "T" "T" "C" "T" "A" "C" "A" "A" "T" "C"
## [28063] "A" "A" "T" "C" "G" "G" "T" "G" "A" "C" "G" "C" "T" "T" "C" "A" "G" "T"
## [28099] "C" "A" "T" "T" "A" "C" "A" "T" "C" "G" "G" "G" "T" "A" "A" "T" "G" "T"
  [28117] "T" "G" "A" "T" "C" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T" "C" "G" "G"
  [28135] "T" "T" "T" "A" "G" "T" "C" "T" "A" "C" "A" "C" "T" "T" "G" "T" "A" "G"
  [28153] "T" "A" " "T" "C" "G" "T" "A" "G" "T" "T" "A" "C" "T" "C" "A" "G" "A"
## [28171] "G" "T" "C" "A" "C" "T" "T" "A" "T" "G" "A" "C" "A" "C" "T" "T" "T" "A"
  ## [28207] "T" "C" "G" "C" "C" "G" "G" "A" "A" "G" "A" "C" "A" "T" "T" "T" "T" "T" "G"
## [28225] "T" " " "G" "C" "G" "T" "G" "T" "C" "T" "T" "A" "A" "A" "A" "A" "C" "T" "C"
## [28243] "G" "T" "C" "A" "A" "A" "G" "T" "T" "C" "T" "C" "A" "C" "G" "C" "C" "C"
  [28261] "T" "C" "T" "T" "T" "T" "A" "A" "C" "T" "A" "G" "C" "A" "T" "G" "T" "T"
## [28279] "G" "T" "G" "C" "T" "C" "G" "T" "C" "G" "A" "G" "A" "C" "T" "A" "C"
  [28297] " " "G" "T" "T" "T" "A" "C" "G" "T" "A" "T" "T" "T" "C" "T" "C" "T"
## [28315] "G" "A" "G" "T" "C" "A" "T" "A" "A" "C" "T" "A" "A" "A" "A" "G" "A" "C" "A"
## [28333] "A" "G" "T" "G" "G" "T" "T" "A" "A" "A" "G" "G" "T" "C" "C" "G" "T"
## [28351] "G" "G" "A" "A" "A" "A" "A" "T" "C" "G" "A" "A" "A" "A" "G" "G" "
## [28369] "A" "A" "A" "A" "C" "A" "T" "T" "G" "A" "A" "A" "T" "T" "T" "T" "A" "A"
## [28387] "T" "G" "G" "T" "G" "T" "C" "C" "T" "A" "A" "G" "T" "T" "G" "T" "T" "A"
## [28405] "A" "A" "C" "A" "A" "A" "C" "T" "T" "A" "C" "G" "A" "A" "A" "A" "T"
  [28423] "T" "A" "G" "G" "T" "T" "T" "G" "G" "A" "A" "A" "G" "T" "G" "T" " " "C"
## [28441] "A" "A" "A" "G" "G" "T" "G" "T" "T" "T" "T" "C" "G" "T" "G" "A" "A" "C"
## [28459] "A" "C" "C" "T" "T" "C" "G" "T" "C" "T" "T" "T" "T" "T" "T" "C" "T" "A" "C"
## [28477] "G" "G" "T" "T" "T" "A" "T" "A" "C" "C" "G" "C" "T" "A" "G" "A"
## [28495] "G" "A" "A" "G" "T" "A" "A" "T" "T" "C" "A" "A" "A" "T" "T" "T" "C"
## [28513] "A" "G" "T" "G" "G" "T" "T" "G" "T" "A" "A" "A" "A" "C" "T" "A" "C"
  [28531]
         ## [28549] "T" "C" "A" "T" "A" "A" "G" "T" "T" "C" "T" "T" "C" "C" "A" "A" "C"
## [28567] "A" "G" "T" "A" "A" "T" "T" "C" "T" "G" "G" "A" "A" "G" " " "C" "C" "T"
## [28603] "A" "C" "A" "T" "A" "C" "C" "A" "A" "T" "G" "T" "T" "G" "G" "A" "T" "A"
## [28621] "C" "A" "A" "T" "C" "G" "C" "G" "A" "T" "C" "G" "T" "G" "C" "A" "C" "C"
## [28639] "T" "T" "G" "G" "G" "T" "T" "A" "T" "C" "C" "G" "T" " " "G" "T" "G" "A"
## [28657] "A" "C" "A" "A" "T" "A" "C" "C" "G" "T" "T" "G" "G" "T" "T" "G" "T" "A"
  [28675] "T" "T" "C" "T" "C" "T" "T" "G" "T" "G" "T" "G" "T" "C" "G" "G" "G" "A" "G"
##
  [28693] "G" "T" "T" "T" "C" "C" "G" "T" "T" "A" "T" "C" "A" "C" "G" "C" "T" "G"
## [28711] "G" "T" "G" "G" "G" "A" "A" "T" "G" "C" "T" "T" " " " "C" "T" "T" "A" "C"
## [28729] "C" "A" "A" "A" "A" "G" "T" "T" "C" "G" "G" "T" "C" "T" "A" "A" "G" "T"
## [28747] "A" "A" "T" "A" "C" "C" "A" "T" "A" "A" "G" "C" "C" "G" "T" "T" "C" "T"
## [28765] "G" "A" "T" "A" "C" "G" "A" "G" "T" "C" "C" "A" "G" "G" "A" "T" "G" "A"
## [28783] "A" "G" "A" "C" "T" "T" "A" "A" "C" "A" "C" " " "T" "G" "T" "A" "C" "G"
  [28819] "T" "T" "G" "T" "C" "G" "T" "A" "A" "A" "A" "C" "C" "C" "C" "A" "T" "T"
  [28837] "C" "A" "T" "T" "G" "G" "T" "G" "T" "C" "A" "T" "C" "A" "T" "C" "A" "C" "A" "C" "C" "G"
## [28855] "T" "G" "G" "A" "A" "G" "A" "A" "A" "T" " "C" "A" "G" "T" "T" "T" "A"
         "A" "G" "A" "G" "T" "C" "A" "C" "G" "G" "T" "G" "T" "T" "T" "T" "T" "A" "A"
  [28873]
## [28891] "G" "C" "G" "T" "T" "C" "A" "C" "C" "G" "A" "A" "A" "T" "T" "G" "T" "T"
## [28909] "T" "T" "A" "G" "C" "G" "G" "C" "A" "C" "A" "C" "G" "G" "T" "A" "C"
## [28927] "T" "T" "C" "A" "A" "G" "T" "G" " " "G" "T" "G" "T" "T" "A" "C" "T"
```

```
## [28945] "A" "G" "T" "G" "T" "G" "A" "A" "G" "T" "A" "C" "T" "C" "T" "C" "A" "A"
  [28963] "C" "T" "T" "T" "C" "C" "G" "T" "G" "T" "A" "A" "A" "C" "C" "A" "A" "A" "C"
  [28981] "G" "T" "A" "A" "G" "T" "A" "A" "A" "C" "C" "C" "A" "C" "T" "G" "C" "G" "T"
  [28999] "T" "G" "A" "C" "C" "T" "A" "T" " " "C" "T" "G" "T" "C" "T" "A" "G" "C"
  [29017] "T" "T" "A" "A" "G" "A" "T" "G" "G" "G" "T" "A" "T" "T" "T" "C" "G" "G"
## [29053] "T" "T" "G" "G" "G" "A" "A" "C" "C" "A" "A" "C" "T" "T" "A" "T" "C" "A"
## [29071] "G" "A" "A" "C" "T" "A" "A" " " " "T" "A" "C" "C" "T" "T" "A" "A" "A" "A" "T"
  [29089] "T" "C" "C" "C" "T" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A" "A" "A" "C"
  [29107] "C" "T" "G" "T" "A" "A" "G" "G" "G" "G" "T" "A" "A" "C" "T" "T" "C" "C"
  [29125] "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "G" "A" "A" "A" "C" "G" "G" "T"
## [29143] "T" "A" "A" "A" "T" "T" " "A" "A" "G" "T" "T" "T" "T" "C" "C" "A"
  [29161] "C" "A" "G" "A" "C" "G" "T" "T" "A" "A" "G" "T" "A" "G" "T" "A" "G"
## [29179] "A" "A" "A" "A" "G" "T" "C" "T" "G" "C" "A" "A" "G" "G" "C" "A" "C"
## [29197] "A" "T" "G" "G" "T" "T" "C" "G" "T" "T" "A" "A" "A" "G" "T" "A" "C" "G"
## [29215] "A" "G" "T" "A" "C" " " "A" "A" "G" "T" "G" "C" "C" "G" "T" "C" "G" "T"
  [29233] "C" "A" "T" "A" "T" "G" "T" "G" "G" "G" "G" "A" "A" "A" "A" "T" "C" "A"
## [29251] "C" "A" "G" "T" "T" "A" "T" "T" "T" "C" "A" "G" "G" "T" "C" "A" "A" "C"
## [29269] "A" "A" "G" "T" "C" "T" "G" "T" "T" "C" "A" "C" "G" "T" "A" "C" "T"
## [29287] "T" "C" "G" "A" " " "A" "A" "T" "G" "G" "T" "C" "G" "T" "G" "C" "A" "C"
## [29305] "G" "A" "T" "C" "T" "T" "C" "C" "A" "A" "A" "A" "A" "T" "T" "A" "C" "G"
## [29323] "T" "G" "A" "G" "T" "T" "C" "T" "C" "C" "C" "A" "T" "C" "G" "G" "T" "A"
## [29341] "G" "T" "C" "C" "C" "G" "G" "T" "G" "T" "C" "T" "C" "A" "A" "C" "A"
## [29359] "A" "T" "A" " " "G" "C" "T" "G" "T" "A" "T" "C" "G" "C" "T" "C" "A" "C"
[29395] "A" "G" "T" "G" "C" "G" "T" "A" "C" "T" "C" "A" "A" "G" "T" "G" "C" "C"
## [29413] "C" "A" "T" "T" "G" "T" "G" "G" "T" "G" "A" "C" "A" "T" "A" "C" "A"
  [29431] "A" "A" " "T" "C" "A" "C" "A" "A" "G" "G" "T" "C" "A" "A" "A" "A" "A" "G"
## [29449] "A" "A" "C" "T" "T" "T" "T" "A" "G" "A" "A" "G" "T" "A" "T" "T" "C" "C"
## [29467] "T" "A" "G" "T" "C" "A" "C" "G" "G" "T" "T" "C" "G" "A" "G" "C" "A" "G"
## [29485] "C" "G" "G" "A" "T" "T" "C" "A" "G" "T" "T" "T" "A" "C" "T" "G" "A" "A"
         "A" " " "T" "C" "T" "A" "G" "C" "C" "G" "C" "G" "G" "C" "A" "T" "T" "G"
  [29503]
## [29521] "A" "T" "A" "C" "C" "G" "G" "T" "G" "G" "T" "C" "G" "A" "G" "G" "A" "A"
## [29539] "A" "T" "A" "A" "T" "G" "G" "C" "A" "A" "A" "A" "T" "G" "C" "T" "T"
## [29557] "C" "T" "T" "C" "T" "T" "G" "G" "A" "A" "C" "G" "C" "C" "A" "T" "T" "C"
## [29575] " " "G" "G" "T" "G" "A" "C" "C" "A" "T" "A" "A" "A" "G" "C" "G" "G" "G"
## [29593] "T" "G" "T" "A" "C" "T" "C" "C" "C" "T" "G" "T" "T" "C" "C" "T" "G" "T"
## [29611] "G" "G" "T" "T" "C" "A" "C" "A" "G" "A" "G" "T" "G" "G" "T" "G" "A" "T"
## [29629] "G" "C" "T" "G" "G" "C" "A" "T" "G" "A" "C" "T" "T" "A" "C" "G" "G" " "
  [29647] "A" "A" "G" "C" "T" "C" "A" "A" "G" "A" "C" "G" "A" "T" "G" "G" "T" "C"
##
  [29665] "G" "A" "G" "T" "T" "G" "G" "T" "A" "T" "G" "T" "A" "C" "T" "G" "G"
## [29683] "T" "A" "C" "T" "C" "C" "A" "C" "G" "T" "C" "A" "A" "G" "C" "T" "C" "G"
## [29701] "T" "A" "G" "G" "C" "T" "T" "G" "C" "A" "A" "A" "C" "T" "A" "C" " " "T"
## [29719] "T" "G" "T" "G" "T" "A" "T" "C" "C" "G" "A" "C" "A" "A" "G" "T" "T"
## [29737] "C" "A" "A" "C" "T" "C" "C" "G" "T" "T" "T" "T" "G" "C" "G" "G" "A" "A"
## [29755] "A" "A" "A" "G" "T" "T" "G" "A" "A" "G" "A" "T" "G" "A" "T" "T" "C" "G"
  [29773] "G" "T" "G" "T" "T" "C" "A" "C" "G" "G" "T" "A" "G" "A" "A" " " " "A" "T"
  [29791] "T" "C" "T" "A" "C" "A" "A" "C" "T" "G" "C" "A" "C" "A" "G" "A" "G" "A"
  [29809] "C" "T" "A" "T" "T" "C" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "G" "C"
## [29827] "C" "T" "C" "A" "G" "A" "G" "G" "T" "T" "T" "C" "G" "G" "T" "G" "C" "A"
          "T" "G" "C" "T" "C" "G" "T" "G" "C" "A" "G" "C" "G" "C" " " " "T" "T" "G"
  [29845]
## [29863] "G" "A" "C" "A" "T" "T" "T" "T" "G" "T" "C" "C" "G" "T" "T" "T" "T" "G" "A"
## [29899] "G" "A" "G" "C" "A" "A" "C" "T" "T" "T" "G" "G" "T" "C" "C" "C" "T" "G"
```

## #strainDelta

lengthDelta <- lengthSeq(strainDelta)
percentageGC\_Delta <- percentageGC(strainDelta)</pre>

## [1] "GC : 37.3756732643822%"

percentageBasesDelta <- percentageBases(strainDelta)
reverseDelta <- reverseSeq(strainDelta)
print("strainDelta")</pre>

## ## [1] "strainDelta"

## strainDelta

```
[19] "A" "T" "C" "T" "C" "T" "T" "G" "T" "A" "G" "A" "T" "C" "T" "G" "T" "T"
##
      [37] "C" "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "C" "T" "T" "T" "A" "A" "A"
##
      [55] "A" "T" "C" "T" "G" "T" "G" "T" "G" "C" "T" "G" "T" "C" "A" " " "C"
##
      [73] "T" "C" "G" "G" "C" "T" "G" "C" "A" "T" "G" "C" "T" "T" "A" "G" "T" "G"
      [91] "C" "A" "C" "T" "C" "A" "C" "G" "C" "A" "G" "T" "A" "T" "A" "T" "A" "T" "T"
##
     [109] "A" "A" "T" "A" "A" "C" "T" "A" "A" "T" "T" "A" "C" "T" "G" "T" "C" "G"
##
     [127] "T" "T" "G" "A" "C" "A" "G" "G" "A" "C" "A" "C" "G" "A" "G" " " "T" "A"
##
     [145] "A" "C" "T" "C" "G" "T" "C" "T" "A" "T" "C" "T" "T" "C" "T" "G" "C" "A"
##
     [163] "G" "G" "C" "T" "G" "C" "T" "T" "A" "C" "G" "G" "T" "T" "T" "T" "C" "G" "T"
##
     [181] "C" "C" "G" "T" "T" "T" "T" "G" "C" "A" "G" "C" "C" "G" "A" "T" "C" "A"
##
     [199] "T" "C" "A" "G" "C" "A" "C" "A" "T" "C" "T" "A" "G" "G" " " "T" "T" "T"
##
     [217] "T" "G" "T" "C" "C" "G" "G" "G" "T" "G" "T" "G" "A" "C" "C" "G" "A" "A"
##
     [235] "A" "G" "G" "T" "A" "A" "G" "A" "T" "G" "G" "A" "G" "A" "G" "C" "T"
##
     [253] "T" "G" "T" "C" "C" "C" "T" "G" "G" "T" "T" "T" "T" "C" "A" "A" "C" "G" "A"
##
    [271] "G" "A" "A" "A" "A" "C" "A" "C" "A" "C" "G" "T" "C" " " " "C" "A" "A" "C"
##
    [289] "T" "C" "A" "G" "T" "T" "T" "G" "C" "C" "T" "G" "T" "T" "T" "T" "A" "C"
##
     [307] "A" "G" "G" "T" "T" "C" "G" "C" "G" "A" "C" "G" "T" "G" "C" "T" "C" "G"
##
     [325] "T" "A" "C" "G" "T" "G" "G" "C" "T" "T" "T" "T" "G" "G" "A" "G" "A" "C" "T"
##
     ##
     [361] "T" "C" "A" "G" "A" "G" "G" "C" "A" "C" "G" "T" "C" "A" "A" "C" "A" "T"
##
     [379] "C" "T" "T" "A" "A" "A" "G" "A" "T" "G" "G" "C" "A" "C" "T" "T" "G" "T"
##
     [397] "G" "G" "C" "T" "T" "A" "G" "T" "A" "G" "A" "A" "G" "T" "T" "G" "A" "A"
##
     [415] "A" "A" "A" "G" "G" "C" "G" "T" "T" "T" "T" " "G" "C" "C" "T" "C" "A"
##
     [433] "A" "C" "T" "T" "G" "A" "A" "C" "A" "G" "C" "C" "C" "T" "A" "T" "G" "T"
##
     [451] "G" "T" "T" "C" "A" "T" "C" "A" "A" "A" "C" "G" "T" "T" "C" "G" "G" "A"
##
     [469] "T" "G" "C" "T" "C" "G" "A" "A" "C" "T" "G" "C" "A" "C" "C" "T" "C" "A"
##
     [487] "T" "G" "G" "T" "C" "A" "T" "G" "T" "T" " " "A" "T" "G" "G" "T" "T" "G"
##
```

```
[505] "A" "G" "C" "T" "G" "G" "T" "A" "G" "C" "A" "G" "A" "A" "C" "T" "C" "G"
##
     [523] "A" "A" "G" "G" "C" "A" "T" "T" "C" "A" "G" "T" "A" "C" "G" "G" "T" "C"
##
     [541] "G" "T" "A" "G" "T" "G" "G" "T" "G" "A" "G" "A" "C" "A" "C" "T" "T" "G"
##
##
     [559] "G" "T" "G" "T" "C" "C" "T" "T" "G" " " "T" "C" "C" "C" "C" "T" "C" "A" "T"
     [577] "G" "T" "G" "G" "G" "C" "G" "A" "A" "A" "T" "A" "C" "C" "A" "G" "T" "G"
##
     [595] "G" "C" "T" "T" "A" "C" "C" "G" "C" "A" "A" "G" "G" "T" "T" "C" "T" "T"
##
     [613] "C" "T" "T" "C" "G" "T" "A" "A" "G" "A" "A" "C" "G" "G" "T" "A" "A" "T"
##
     [631] "A" "A" "A" "G" "G" "A" "G" "C" " " "T" "G" "G" "T" "G" "G" "C" "A"
##
     [649] "T" "A" "G" "T" "T" "A" "C" "G" "G" "C" "G" "C" "C" "G" "A" "T" "C" "T"
##
     [667] "A" "A" "A" "G" "T" "C" "A" "T" "T" "T" "G" "A" "C" "T" "T" "A" "G" "G"
##
     [685] "C" "G" "A" "C" "G" "A" "G" "C" "T" "T" "G" "G" "C" "A" "C" "T" "G" "A"
     [703] "T" "C" "C" "T" "T" "A" "T" " " "G" "A" "A" "G" "A" "T" "T" "T" "T" "T" "C"
##
     [721] "A" "A" "G" "A" "A" "A" "A" "C" "T" "G" "G" "A" "A" "C" "A" "C" "T" "A"
##
     [739] "A" "A" "C" "A" "T" "A" "G" "C" "A" "G" "T" "G" "G" "T" "G" "T" "T" "A"
##
##
     [757] "C" "C" "C" "G" "T" "G" "A" "A" "C" "T" "C" "A" "T" "G" "C" "G" "T" "G"
     [775] "A" "G" "C" "T" "T" "A" " " "A" "C" "G" "G" "A" "G" "G" "G" "G" "C" "A"
##
##
     [793] "T" "A" "C" "A" "C" "T" "C" "G" "C" "T" "A" "T" "G" "T" "C" "G" "A" "T"
     [811] "A" "A" "C" "A" "A" "C" "T" "T" "C" "T" "G" "T" "G" "G" "C" "C" "C" "T"
##
     [829] "G" "A" "T" "G" "G" "C" "T" "A" "C" "C" "C" "T" "C" "T" "T" "G" "A" "G"
##
     [847] "T" "G" "C" "A" "T" " " "T" "A" "A" "A" "G" "A" "C" "C" "T" "T" "C" "T"
##
     [865] "A" "G" "C" "A" "C" "G" "T" "G" "C" "T" "G" "G" "T" "A" "A" "A" "A" "G" "C"
##
     [883] "T" "T" "C" "A" "T" "G" "C" "A" "C" "T" "T" "T" "G" "T" "C" "C" "G" "A"
##
     [901] "A" "C" "A" "A" "C" "T" "G" "G" "A" "C" "T" "T" "T" "A" "T" "T" "G" "A"
##
     [919] "C" "A" "C" "T" " " "A" "A" "G" "A" "G" "G" "G" "G" "T" "G" "T" "A" "T"
##
     [937] "A" "C" "T" "G" "C" "T" "G" "C" "C" "C" "G" "T" "G" "A" "A" "C" "A" "T" "G"
##
     [955] "A" "G" "C" "A" "T" "G" "A" "A" "A" "T" "T" "G" "C" "T" "T" "G" "G" "T"
     [973] "A" "C" "A" "C" "G" "G" "A" "A" "C" "G" "T" "T" "C" "T" "G" "A" "A" "A"
##
     [991] "A" "G" "A" " "G" "C" "T" "A" "T" "G" "A" "A" "T" "T" "G" "C" "A" "G"
    [1009] "A" "C" "A" "C" "C" "T" "T" "T" "T" "G" "A" "A" "A" "T" "T" "A" "A" "A" "A"
##
    [1027] "T" "T" "G" "G" "C" "A" "A" "A" "G" "A" "A" "A" "T" "T" "T" "G" "A" "C"
    [1045] "A" "C" "C" "T" "T" "C" "A" "A" "T" "G" "G" "G" "G" "A" "A" "T" "G" "T"
##
    [1063] "C" "C" " " "A" "A" "A" "T" "T" "T" "T" "G" "T" "A" "T" "T" "T" "C" "C"
##
    [1081] "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "A" "T" "A" "A" "T" "C" "A" "A"
##
    [1099] "G" "A" "C" "T" "A" "T" "T" "C" "A" "A" "C" "C" "A" "A" "G" "G" "G" "T"
    ##
    [1135] "T" " " "G" "G" "C" "T" "T" "T" "A" "T" "G" "G" "G" "T" "A" "G" "A" "A"
##
    [1153] "T" "T" "C" "G" "A" "T" "C" "T" "G" "T" "C" "T" "A" "T" "C" "C" "A" "G"
##
##
    [1171] "T" "T" "G" "C" "G" "T" "C" "A" "C" "C" "A" "A" "A" "A" "T" "G" "A" "A" "T"
    [1189] "G" "C" "A" "A" "C" "C" "A" "A" "A" "T" "G" "T" "G" "C" "C" "T" "T" "T"
##
    [1207] " " "C" "A" "A" "C" "T" "C" "T" "C" "A" "T" "G" "A" "A" "G" "T" "G" "T"
##
    [1225] "G" "A" "T" "C" "A" "T" "T" "G" "T" "G" "G" "T" "G" "A" "A" "A" "A" "C" "T"
    [1243] "T" "C" "A" "T" "G" "G" "C" "A" "G" "A" "C" "G" "G" "G" "G" "C" "G" "A" "T"
##
    [1261] "T" "T" "T" "G" "T" "T" "A" "A" "A" "G" "C" "C" "A" "C" "T" "T" "G" " "
    [1279] "C" "G" "A" "A" "T" "T" "T" "T" "G" "T" "G" "G" "C" "A" "C" "T" "G" "A"
##
    [1297] "G" "A" "A" "T" "T" "T" "G" "A" "C" "T" "A" "A" "A" "G" "A" "A" "G" "G"
    [1315] "T" "G" "C" "C" "A" "C" "T" "A" "C" "T" "T" "G" "T" "G" "G" "T" "T" "A"
##
    [1333] "C" "T" "T" "A" "C" "C" "C" "C" "A" "A" "A" "A" "T" "G" "C" "T" " " "G"
##
    ##
    [1369] "C" "A" "G" "C" "A" "T" "G" "T" "C" "A" "C" "A" "A" "T" "T" "C" "A" "G"
    [1387] "A" "A" "G" "T" "A" "G" "G" "A" "C" "C" "T" "G" "A" "G" "C" "A" "T" "A"
##
    [1405] "G" "T" "C" "T" "T" "G" "C" "C" "G" "A" "A" "T" "A" "C" "C" " "A" "T"
##
    [1423] "A" "A" "T" "G" "A" "A" "T" "C" "T" "G" "G" "C" "T" "T" "G" "A" "A" "A" "A"
##
    [1441] "A" "C" "C" "A" "T" "T" "C" "T" "T" "C" "G" "T" "A" "A" "A" "G" "G" "T"
##
    [1459] "G" "G" "T" "C" "G" "C" "A" "C" "T" "A" "T" "T" "G" "C" "C" "T" "T" "T"
##
```

```
[1477] "G" "G" "A" "G" "G" "C" "T" "G" "T" "G" "T" "G" "T" "T" "T" " " "C" "T" "C"
    [1495] "T" "T" "A" "T" "G" "T" "T" "G" "G" "T" "T" "G" "C" "C" "A" "A" "A" "A"
##
   [1513] "C" "A" "A" "G" "T" "G" "T" "G" "C" "C" "T" "A" "T" "T" "G" "G" "G" "T"
   [1531] "T" "C" "C" "A" "C" "G" "T" "G" "C" "T" "A" "G" "C" "G" "C" "T" "A" "A"
   [1549] "C" "A" "T" "A" "G" "G" "T" "T" "G" "T" "A" "A" "C" " " "C" "A" "T" "A"
   ##
   [1585] "G" "T" "T" "C" "C" "G" "A" "A" "G" "G" "T" "C" "T" "T" "A" "A" "T" "G"
   [1603] "A" "C" "A" "A" "C" "C" "T" "T" "C" "T" "T" "G" "A" "A" "A" "A" "A" "A" "C"
##
    [1639] "A" "A" "C" "A" "T" "C" "A" "A" "T" "A" "T" "T" "G" "T" "T" "G" "T" "T" "G" "T"
##
    [1657] "G" "A" "C" "T" "T" "T" "A" "A" "A" "C" "T" "T" "A" "A" "T" "G" "A" "A"
   [1675] "G" "A" "G" "A" "T" "C" "G" "C" "C" "A" "T" "T" "A" "T" "T" "T" "T" "T" "G"
   [1693] "G" "C" "A" "T" "C" "T" "T" "T" "T" "T" "C" " " "T" "G" "C" "T" "T" "C"
   [1711] "C" "A" "C" "A" "A" "G" "T" "G" "C" "T" "T" "T" "T" "T" "G" "T" "G" "G" "A"
##
   [1729] "A" "A" "C" "T" "G" "T" "G" "A" "A" "A" "G" "G" "T" "T" "T" "T" "G" "G" "A"
   [1747] "T" "T" "A" "T" "A" "A" "A" "G" "C" "A" "T" "T" "C" "A" "A" "A" "A" "C" "A"
##
##
   [1765] "A" "A" "T" "T" "G" "T" "T" "G" "A" "A" " " " "T" "C" "C" "T" "G" "T" "G"
    [1801] "A" "A" "G" "G" "A" "A" "A" "A" "G" "C" "T" "A" "A" "A" "A" "A" "A" "G"
   [1819] "G" "T" "G" "C" "C" "T" "G" "G" "A" "A" "T" "A" "T" "T" "G" "G" "T" "G"
##
   [1837] "A" "A" "C" "A" "G" "A" "A" "A" "T" " "C" "A" "A" "T" "A" "C" "A" "G"
##
   [1855] "A" "G" "T" "C" "C" "T" "C" "T" "T" "T" "A" "T" "G" "C" "A" "T" "T" "T"
   [1873] "G" "C" "A" "T" "C" "A" "G" "A" "G" "G" "C" "T" "G" "C" "T" "C" "G" "T"
##
   [1891] "G" "T" "T" "G" "T" "A" "C" "G" "A" "T" "C" "A" "A" "T" "T" "T" "T" "T" "C"
   [1909] "T" "C" "C" "C" "G" "C" "A" "C" " " "T" "C" "T" "T" "G" "A" "A" "A" "A" "C"
##
    [1927] "T" "G" "C" "T" "C" "A" "A" "A" "A" "T" "T" "C" "T" "G" "T" "G" "C" "G"
   [1945] "T" "G" "T" "T" "T" "T" "A" "C" "A" "G" "A" "A" "G" "G" "C" "C" "C" "G" "C"
   [1963] "T" "A" "T" "A" "A" "C" "A" "A" "T" "A" "C" "T" "A" "G" "A" "T" "G" "G"
   [1981] "A" "A" "T" "T" "T" "C" "A" " "C" "A" "G" "T" "A" "T" "T" "C" "A" "C"
##
   [1999] "T" "G" "A" "G" "A" "C" "T" "C" "A" "T" "T" "G" "A" "T" "G" "C" "T" "A"
   [2017] "T" "G" "A" "T" "G" "T" "T" "C" "A" "C" "A" "T" "C" "T" "G" "A" "T" "T"
##
   [2035] "T" "G" "G" "C" "T" "A" "C" "T" "A" "A" "C" "A" "A" "A" "T" "C" "T" "A" "G"
##
   [2053] "T" "T" "G" "T" "A" "A" " " "T" "G" "G" "C" "C" "T" "A" "C" "A" "T" "T"
   [2089] "T" "T" "G" "A" "C" "T" "T" "C" "G" "C" "A" "G" "T" "G" "G" "C" "T" "A"
##
   [2107] "A" "C" "T" "A" "A" "C" "A" "T" "C" "T" "T" "T" "G" "G" "G" "C" "A" "C" "T"
##
   [2125] "G" "T" "T" "T" "A" " "T" "G" "A" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A"
##
##
   [2143] "A" "C" "C" "C" "G" "T" "C" "C" "T" "T" "G" "A" "T" "T" "G" "G" "G" "C" "T"
   [2161] "T" "G" "A" "A" "G" "A" "G" "A" "G" "T" "T" "T" "A" "A" "G" "G" "A"
##
   [2179] "A" "G" "G" "T" "G" "T" "A" "G" "A" "G" "T" "T" "T" "C" "T" "T" "A" "G"
##
   [2197] "A" "G" "A" "C" " " "G" "G" "T" "T" "G" "G" "G" "A" "A" "A" "T" "T" "G"
   [2215] "T" "T" "A" "A" "A" "T" "T" "T" "A" "T" "C" "T" "C" "A" "A" "A" "C" "C" "T"
   [2233] "G" "T" "G" "C" "T" "T" "G" "T" "G" "A" "A" "A" "T" "T" "G" "T" "C" "G"
   [2251] "G" "T" "G" "G" "A" "C" "A" "A" "A" "T" "T" "G" "T" "C" "A" "C" "C" "T"
##
   [2269] "G" "T" "G" " " "C" "A" "A" "A" "G" "G" "A" "A" "A" "A" "T" "T" "A" "A" "G"
   [2287] "G" "A" "G" "A" "G" "T" "G" "T" "T" "C" "A" "G" "A" "C" "A" "T" "T" "C"
##
    ##
   [2323] "T" "T" "T" "T" "T" "G" "G" "C" "T" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T"
##
   [2341] "G" "A" " " "C" "T" "C" "T" "A" "T" "C" "A" "T" "T" "A" "T" "A" "T" "T" "A" "T" "G" "G"
   [2359] "T" "G" "G" "A" "G" "C" "T" "A" "A" "A" "C" "T" "T" "A" "A" "A" "A" "G" "C"
##
   [2377] "C" "T" "T" "G" "A" "A" "T" "T" "T" "A" "G" "G" "T" "G" "A" "A" "A" "C"
##
   [2395] "A" "T" "T" "T" "G" "T" "C" "A" "C" "G" "C" "A" "C" "T" "C" "A" "A" "A" "A"
##
    [2413] "G" " " "G" "G" "A" "T" "T" "G" "T" "A" "C" "A" "G" "A" "A" "A" "A" "G" "T"
##
   [2431] "G" "T" "G" "T" "T" "A" "A" "A" "T" "C" "C" "A" "G" "A" "G" "A" "A" "A" "G"
##
```

```
[2449] "A" "A" "A" "C" "T" "G" "G" "C" "C" "T" "A" "C" "T" "C" "A" "T" "G" "C"
    [2467] "C" "T" "C" "T" "A" "A" "A" "A" "G" "C" "C" "C" "C" "A" "A" "A" "A" "G"
##
    [2485] " " "A" "A" "A" "T" "T" "A" "T" "C" "T" "T" "C" "T" "T" "A" "G" "A" "G"
##
    [2503] "G" "G" "A" "G" "A" "A" "A" "A" "C" "A" "C" "T" "T" "C" "C" "C" "C" "A" "C" "A"
##
    [2521] "G" "A" "A" "G" "T" "G" "T" "T" "A" "A" "C" "A" "G" "A" "G" "G" "A" "A" "A"
    [2539] "G" "T" "T" "G" "T" "C" "T" "T" "G" "A" "A" "A" "A" "A" "C" "T" "G" "G" " "
##
    [2557] "T" "G" "A" "T" "T" "T" "A" "C" "A" "A" "C" "C" "A" "T" "T" "A" "G" "A"
    [2575] "A" "C" "A" "A" "C" "T" "A" "C" "T" "A" "G" "T" "G" "A" "A" "G" "C"
##
    [2593] "T" "G" "T" "T" "G" "A" "A" "G" "C" "T" "C" "C" "A" "T" "T" "G" "G" "T"
    [2611] "T" "G" "G" "T" "A" "C" "A" "C" "C" "A" "G" "T" "T" "T" "G" "T" " "A"
##
    [2629] "T" "T" "A" "A" "C" "G" "G" "G" "C" "T" "T" "A" "T" "G" "T" "T" "G" "C"
    [2647] "T" "C" "G" "A" "A" "A" "T" "C" "A" "A" "A" "G" "A" "C" "A" "C" "A" "G"
##
    [2665] "A" "A" "A" "A" "G" "T" "A" "C" "T" "G" "T" "G" "C" "C" "C" "T" "T" "G"
    [2683] "C" "A" "C" "C" "T" "A" "A" "T" "A" "T" "G" "A" "T" "G" "G" " " "T" "A"
##
##
    [2701] "A" "C" "A" "A" "A" "C" "A" "A" "T" "A" "C" "C" "T" "T" "C" "A" "C" "A"
    [2719] "C" "T" "C" "A" "A" "A" "G" "G" "C" "G" "G" "T" "G" "C" "A" "C" "C" "A"
##
##
    [2737] "A" "C" "A" "A" "A" "G" "G" "T" "T" "A" "C" "T" "T" "T" "T" "G" "G" "T"
    [2755] "G" "A" "T" "G" "A" "C" "A" "C" "T" "G" "T" "G" "A" "T" " "A" "G" "A"
##
    [2773] "A" "G" "T" "G" "C" "A" "A" "G" "G" "T" "T" "A" "C" "A" "A" "G" "A" "G"
##
    [2791] "T" "G" "T" "G" "A" "A" "T" "A" "T" "C" "A" "C" "T" "T" "T" "T" "T" "G" "A"
##
    [2809] "A" "C" "T" "T" "G" "A" "T" "G" "A" "A" "A" "G" "G" "A" "T" "T" "G" "A"
##
    [2827] "T" "A" "A" "A" "G" "T" "A" "C" "T" "T" "A" "A" "T" " " "G" "A" "G" "A"
##
    [2845] "A" "G" "T" "G" "C" "T" "C" "T" "G" "C" "C" "T" "A" "T" "A" "C" "A" "G"
##
    [2863] "T" "T" "G" "A" "A" "C" "T" "C" "G" "G" "T" "A" "C" "A" "G" "A" "A" "G"
    [2881] "T" "A" "A" "A" "T" "G" "A" "G" "T" "T" "C" "G" "C" "C" "T" "G" "T" "G"
##
    [2899] "T" "T" "G" "T" "G" "G" "C" "A" "G" "A" "T" "G" " " " "C" "T" "G" "T" "C"
    [2917] "A" "T" "A" "A" "A" "A" "A" "C" "T" "T" "G" "C" "A" "A" "A" "C" "C" "A"
##
    [2935] "G" "T" "A" "T" "C" "T" "G" "A" "A" "T" "T" "A" "C" "T" "T" "A" "C" "A"
    [2953] "C" "C" "A" "C" "T" "G" "G" "G" "C" "A" "T" "T" "G" "A" "T" "T" "T" "A"
##
    [2971] "G" "A" "T" "G" "A" "G" "T" "G" "G" "A" "G" " " "T" "A" "T" "G" "G" "C"
    ##
          "T" "G" "A" "G" "T" "C" "T" "G" "G" "T" "G" "A" "G" "T" "T" "T" "A" "A"
##
    [3007]
    [3025] "A" "T" "T" "G" "G" "C" "T" "T" "C" "A" "C" "A" "T" "A" "T" "G" "T" "A"
##
    [3043] "T" "T" "G" "T" "T" "C" "T" "T" "T" "T" "T" "A" "C" "C" "C" "C" "T" "C"
    [3061] "C" "A" "G" "A" "T" "G" "A" "G" "G" "A" "T" "G" "A" "A" "G" "A" "A" "G"
##
    [3079] "A" "A" "G" "G" "T" "G" "A" "T" "T" "G" "T" "G" "A" "A" "A" "G"
##
    [3097] "A" "A" "G" "A" "G" "T" "T" "T" "G" "A" "G" "C" "C" "A" "T" "C" "A" "A"
##
##
    [3115] "C" "T" "C" "A" "A" "T" "A" "T" "G" " " "A" "G" "T" "A" "T" "G" "G" "T"
    [3133] "A" "C" "T" "G" "A" "A" "G" "A" "T" "G" "A" "T" "T" "A" "C" "C" "A" "A"
##
    [3151] "G" "G" "T" "A" "A" "A" "C" "C" "T" "T" "T" "G" "G" "A" "A" "T" "T" "T"
##
    [3169] "G" "G" "T" "G" "C" "C" "A" "C" "T" "T" "C" "T" "G" "C" "T" "G" "C" "T"
    [3187] "C" "T" "T" "C" "A" "A" "C" "C" " " "T" "G" "A" "A" "G" "A" "A" "G" "A" "A" "G" "A"
##
    [3205] "G" "C" "A" "A" "G" "A" "A" "G" "A" "A" "G" "A" "T" "T" "G" "G" "T" "T"
##
    [3223] "A" "G" "A" "T" "G" "A" "T" "G" "A" "T" "A" "G" "T" "C" "A" "A" "C" "A"
    [3241] "A" "A" "C" "T" "G" "T" "T" "G" "G" "T" "C" "A" "A" "C" "A" "A" "G" "A"
    [3259] "C" "G" "G" "C" "A" "G" "T" " "G" "A" "G" "G" "A" "C" "A" "A" "T" "C"
##
    [3277] "A" "G" "A" "C" "A" "A" "C" "T" "A" "C" "T" "A" "T" "T" "T" "C" "A" "A" "A" "A"
##
    [3295] "C" "A" "A" "T" "T" "G" "T" "T" "G" "A" "G" "G" "T" "T" "C" "A" "A" "C"
##
    [3313] "C" "T" "C" "A" "A" "T" "T" "A" "G" "A" "G" "A" "T" "G" "G" "A" "A" "C"
    [3331] "T" "T" "A" "C" "A" "C" " " "C" "A" "G" "T" "T" "G" "T" "T" "C" "A" "G"
##
    [3349] "A" "C" "T" "A" "T" "T" "G" "A" "A" "G" "T" "G" "A" "A" "T" "A" "G" "T"
##
    ##
    [3385] "C" "T" "T" "A" "C" "T" "G" "A" "C" "A" "A" "T" "G" "T" "A" "T" "A" "C"
##
    [3403] "A" "T" "T" "A" "A" " " "A" "A" "A" "T" "G" "C" "A" "G" "A" "C" "A" "T"
##
```

```
[3421] "T" "G" "T" "G" "G" "A" "A" "G" "A" "A" "G" "C" "T" "A" "A" "A" "A" "A" "A"
    [3439] "G" "G" "T" "A" "A" "A" "A" "C" "C" "A" "A" "C" "A" "G" "T" "G" "T"
##
    [3457] "T" "G" "T" "T" "A" "A" "T" "G" "C" "A" "G" "C" "C" "A" "A" "T" "G" "T"
##
   [3475] "T" "T" "A" "C" " " "C" "T" "T" "A" "A" "A" "C" "A" "T" "G" "G" "A" "G"
   [3493] "G" "A" "G" "G" "T" "G" "T" "T" "G" "C" "A" "G" "G" "A" "G" "C" "C" "T"
   [3511] "T" "A" "A" "A" "T" "A" "A" "G" "G" "C" "T" "A" "C" "T" "A" "A" "C" "A"
##
   [3529] "A" "T" "G" "C" "C" "A" "T" "G" "C" "A" "A" "G" "T" "T" "G" "A" "A" "T"
   [3547] "C" "T" "G" " " "A" "T" "G" "A" "T" "T" "A" "C" "A" "T" "A" "G" "C" "T"
##
    [3565] "A" "C" "T" "A" "A" "T" "G" "G" "A" "C" "C" "A" "C" "T" "T" "A" "A" "A" "A"
##
   [3583] "G" "T" "G" "G" "G" "T" "G" "G" "T" "A" "G" "T" "T" "G" "T" "G" "T" "T"
##
    [3601] "T" "T" "A" "A" "G" "C" "G" "G" "A" "C" "A" "C" "A" "A" "T" "C" "T" "T"
   [3619] "G" "C" " "T" "A" "A" "A" "C" "A" "C" "T" "G" "T" "C" "T" "T" "C" "A"
##
   [3637] "T" "G" "T" "T" "G" "T" "C" "G" "G" "C" "C" "C" "A" "A" "A" "A" "T" "G" "T"
   [3655] "T" "A" "A" "C" "A" "A" "A" "G" "G" "T" "G" "A" "A" "G" "A" "C" "A" "T"
##
   [3673] "T" "C" "A" "A" "C" "T" "T" "C" "T" "T" "A" "A" "G" "A" "G" "T" "G" "C"
   ##
##
   [3709] "A" "G" "C" "A" "C" "G" "A" "A" "G" "T" "T" "C" "T" "A" "C" "T" "T" "G"
    [3727] "C" "A" "C" "C" "A" "T" "T" "A" "T" "T" "A" "T" "C" "A" "G" "C" "T" "G"
##
   [3745] "G" "T" "A" "T" "T" "T" "T" "G" "G" "T" "G" "C" "T" "G" "A" "C" "C"
   [3763] " " "C" "T" "A" "T" "A" "C" "A" "T" "T" "C" "T" "T" "T" "T" "A" "A" "G" "A"
##
   [3781] "G" "T" "T" "T" "G" "T" "G" "T" "A" "G" "A" "T" "A" "C" "T" "G" "T" "T"
##
   [3799] "C" "G" "C" "A" "C" "A" "A" "A" "T" "G" "T" "C" "T" "A" "C" "T" "T" "A"
   ##
   [3835] "T" "C" "T" "C" "T" "A" "T" "G" "A" "C" "A" "A" "A" "C" "T" "T" "G" "T"
   [3853] "T" "T" "C" "A" "A" "G" "C" "T" "T" "T" "T" "T" "G" "G" "A" "A" "A" "A" "T"
##
   [3871] "G" "A" "A" "G" "A" "G" "T" "G" "A" "A" "A" "A" "G" "C" "A" "A" "G" "T"
   [3889] "T" "G" "A" "A" "C" "A" "A" "A" "A" "G" "A" "T" "C" "G" "C" "T" " "G"
##
   [3925] "T" "T" "A" "A" "G" "C" "C" "A" "T" "T" "A" "T" "A" "A" "A" "C" "T" "G"
##
   [3943] "A" "A" "A" "G" "T" "A" "A" "A" "C" "C" "T" "T" "C" "A" "G" "T" "T" "G"
   [3961] "A" "A" "C" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "A" "G" " "A" "T"
##
         "G" "A" "T" "A" "A" "G" "A" "A" "A" "A" "T" "C" "A" "A" "A" "G" "C" "T"
##
   [3979]
   [3997] "T" "G" "T" "G" "T" "T" "G" "A" "A" "G" "A" "A" "G" "T" "T" "A" "C" "A"
##
   [4015] "A" "C" "A" "A" "C" "T" "C" "T" "G" "G" "A" "A" "G" "A" "A" "A" "C" "T"
   [4033] "A" "A" "G" "T" "T" "C" "C" "T" "C" "A" "C" "A" "G" "A" " " "A" "A" "A" "A"
##
   ##
   [4069] "C" "A" "T" "T" "A" "A" "T" "G" "G" "C" "A" "A" "T" "C" "T" "T" "C" "A"
##
##
   [4087] "T" "C" "C" "A" "G" "A" "T" "T" "C" "T" "G" "C" "C" "A" "C" "T" "C" "T"
   [4105] "T" "G" "T" "T" "A" "G" "T" "G" "A" "C" "A" "T" "T" " " "G" "A" "C" "A"
##
   [4123] "T" "C" "A" "C" "T" "T" "T" "C" "T" "T" "A" "A" "A" "G" "A" "A" "A" "A" "G"
##
   [4141] "A" "T" "G" "C" "T" "C" "C" "A" "T" "A" "T" "A" "T" "A" "G" "T" "G" "G"
   [4159] "G" "T" "G" "A" "T" "G" "T" "T" "G" "T" "T" "C" "A" "A" "G" "A" "G" "G"
##
   [4177] "G" "T" "G" "T" "T" "T" "A" "A" "C" "T" "G" " " "C" "T" "G" "T" "G"
##
   [4195] "G" "T" "T" "A" "T" "A" "C" "C" "T" "A" "C" "T" "A" "A" "A" "A" "A" "A" "G"
   [4213] "T" "C" "T" "G" "G" "T" "G" "G" "C" "A" "C" "T" "A" "C" "T" "G" "A" "A"
   [4231] "A" "T" "G" "C" "T" "A" "G" "C" "G" "A" "A" "A" "G" "C" "T" "T" "T" "G"
##
    [4249] "A" "G" "A" "A" "A" "A" "G" "T" "G" "C" "C" " " "A" "A" "C" "A" "G" "A"
##
   [4267] "C" "A" "A" "T" "T" "A" "T" "A" "T" "A" "C" "C" "A" "C" "T" "T" "A"
##
   [4285] "C" "C" "C" "G" "G" "G" "T" "C" "A" "G" "G" "G" "T" "T" "T" "A" "A" "A"
   [4303] "T" "G" "G" "T" "T" "A" "C" "A" "C" "T" "G" "T" "A" "G" "A" "G" "A" "G" "A"
##
   [4321] "G" "G" "C" "A" "A" "A" "G" "A" "C" "A" " "G" "T" "G" "C" "T" "T" "A"
##
   [4339] "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "A" "A" "G" "T" "G" "C" "C" "T"
##
   [4357] "T" "T" "A" "C" "A" "T" "T" "C" "T" "A" "C" "C" "A" "T" "C" "T" "A"
##
   [4375] "T" "T" "A" "T" "C" "T" "C" "T" "A" "A" "T" "G" "A" "G" "A" "A" "A" "G" "C"
##
```

```
[4393] "A" "A" "G" "A" "A" "A" "T" "T" "C" " " "T" "T" "G" "G" "A" "A" "C" "T"
    [4411] "G" "T" "T" "T" "C" "T" "T" "G" "G" "A" "A" "T" "T" "T" "T" "G" "C" "G" "A"
##
    [4429] "G" "A" "A" "A" "T" "G" "C" "T" "T" "G" "C" "A" "C" "A" "T" "G" "C" "A"
    [4447] "G" "A" "A" "G" "A" "A" "A" "C" "A" "C" "G" "C" "A" "A" "A" "A" "A" "T" "T" "A"
##
    [4465] "A" "T" "G" "C" "C" "T" "G" "T" " "C" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "A"
##
    [4483] "A" "A" "C" "T" "A" "A" "A" "G" "C" "C" "A" "T" "A" "G" "T" "T" "T" "C"
    [4501] "A" "A" "C" "T" "A" "T" "A" "C" "A" "G" "C" "G" "T" "A" "A" "A" "A" "T" "A"
    [4519] "T" "A" "A" "G" "G" "G" "T" "A" "T" "T" "A" "A" "A" "A" "A" "T" "A" "C" "A"
##
    ##
    [4555] "A" "T" "G" "G" "T" "G" "C" "T" "A" "G" "A" "T" "T" "T" "T" "A" "C" "T"
##
    [4573] "T" "T" "T" "A" "C" "A" "C" "C" "A" "G" "T" "A" "A" "A" "A" "A" "C" "A" "A"
    [4591] "C" "T" "G" "T" "A" "G" "C" "G" "T" "C" "A" "C" "T" "T" "A" "T" "C" "A"
##
    [4609] "A" "C" "A" "C" "A" "C" " "T" "T" "A" "A" "C" "G" "A" "T" "C" "T" "A"
    [4627] "A" "A" "T" "G" "A" "A" "A" "C" "T" "C" "T" "T" "G" "T" "T" "A" "C" "A"
##
    [4645] "A" "T" "G" "C" "C" "A" "C" "T" "T" "G" "G" "C" "T" "A" "T" "G" "T" "A"
    [4663] "A" "C" "A" "C" "A" "T" "G" "G" "C" "T" "T" "A" "A" "A" "T" "T" "T" "G"
##
##
    [4681] "G" "A" "A" "G" "A" " ""A" "G" "C" "T" "G" "C" "T" "C" "G" "G" "T" "A"
    [4699] "T" "A" "T" "G" "A" "G" "A" "T" "C" "T" "C" "T" "C" "A" "A" "A" "A" "G" "T"
    [4717] "G" "C" "C" "A" "G" "C" "T" "A" "C" "A" "G" "T" "T" "T" "C" "T" "G" "T"
    [4735] "T" "T" "C" "T" "T" "C" "A" "C" "C" "T" "G" "A" "T" "G" "C" "T" "G" "T"
##
    [4753] "T" "A" "C" "A" " "G" "C" "G" "T" "A" "T" "A" "A" "T" "G" "G" "T" "T"
##
    [4789] "A" "A" "A" "C" "A" "C" "C" "T" "G" "A" "A" "G" "A" "A" "C" "A" "T" "T"
##
    [4807] "T" "T" "A" "T" "T" "G" "A" "A" "A" "C" "C" "A" "T" "C" "T" "C" "A" "C"
##
    [4825] "T" "T" "G" " "C" "T" "G" "G" "T" "T" "C" "C" "T" "A" "T" "A" "A" "A" "A"
##
    [4843] "G" "A" "T" "T" "G" "G" "T" "C" "C" "T" "A" "T" "T" "C" "T" "G" "G" "A"
    [4861] "C" "A" "A" "T" "C" "T" "A" "C" "A" "C" "A" "A" "C" "T" "A" "G" "G" "T"
    [4879] "A" "T" "A" "G" "A" "A" "T" "T" "T" "C" "T" "T" "A" "A" "G" "A" "G" "A"
    [4897] "G" "G" " "T" "G" "A" "T" "A" "A" "A" "G" "T" "G" "T" "A" "T" "A"
##
    [4915] "T" "T" "A" "C" "A" "C" "T" "A" "G" "T" "A" "A" "T" "C" "C" "T" "A" "C"
    [4933] "C" "A" "C" "A" "T" "T" "C" "C" "A" "C" "C" "T" "A" "G" "A" "T" "G" "G"
##
          "T" "G" "A" "A" "G" "T" "T" "A" "T" "C" "A" "C" "C" "T" "T" "T" "T" "G" "A"
##
    Γ4951]
    [4969] "C" " "A" "A" "T" "C" "T" "T" "A" "A" "G" "A" "C" "A" "C" "T" "T" "C"
##
    [5005] "G" "G" "A" "C" "T" "A" "T" "T" "A" "A" "G" "G" "T" "G" "T" "T" "T" "A"
##
    [5023] "C" "A" "A" "C" "A" "G" "T" "A" "G" "A" "C" "A" "A" "C" "A" "T" "T" "A"
##
    [5041] " " "A" "C" "C" "T" "C" "C" "A" "C" "A" "C" "G" "C" "A" "A" "A" "G" "T" "T"
##
##
    [5059] "G" "T" "G" "G" "A" "C" "A" "T" "G" "T" "C" "A" "A" "T" "G" "A" "C" "A"
    [5077] "T" "A" "T" "G" "G" "A" "C" "A" "A" "C" "A" "G" "T" "T" "T" "T" "G" "G" "T"
##
    [5095] "C" "C" "A" "A" "C" "T" "T" "A" "T" "T" "T" "G" "G" "A" "T" "G" "G" " "
##
    [5113] "A" "G" "C" "T" "G" "A" "T" "G" "T" "T" "A" "C" "T" "A" "A" "A" "A" "A" "T"
    [5131] "A" "A" "A" "A" "C" "C" "T" "C" "A" "T" "A" "A" "T" "T" "C" "A" "C" "A"
##
    [5149] "T" "G" "A" "A" "G" "G" "T" "A" "A" "A" "A" "C" "A" "T" "T" "T" "T" "A"
    [5167] "T" "G" "T" "T" "T" "T" "A" "C" "C" "T" "A" "A" "T" "G" "A" "T" " " "G"
##
    [5185] "A" "C" "A" "C" "T" "C" "T" "A" "C" "G" "T" "G" "T" "T" "G" "A" "G" "G"
    [5203] "C" "T" "T" "T" "T" "G" "A" "G" "T" "A" "C" "T" "A" "C" "C" "A" "C" "A"
##
    [5221] "C" "A" "A" "C" "T" "G" "A" "T" "C" "C" "T" "A" "G" "T" "T" "T" "T" "T" "C"
##
    [5239] "T" "G" "G" "G" "T" "A" "G" "G" "T" "A" "C" "A" "T" "G" "T" " "C" "A"
##
    [5257] "G" "C" "A" "T" "T" "A" "A" "A" "T" "C" "A" "C" "A" "C" "T" "A" "A" "A" "A"
    [5275] "A" "A" "G" "T" "G" "G" "A" "A" "A" "T" "A" "T" "C" "C" "A" "C" "A" "A" "A"
##
    [5293] "G" "T" "T" "A" "A" "T" "G" "G" "T" "T" "T" "A" "A" "C" "T" "T" "C" "T"
##
    [5311] "A" "T" "T" "A" "A" "A" "T" "G" "G" "G" "C" "A" "G" "A" " " "T" "A" "A"
##
    [5329] "C" "A" "A" "C" "T" "G" "T" "T" "A" "T" "C" "T" "T" "G" "C" "C" "A" "C"
##
    [5347] "T" "G" "C" "A" "T" "T" "G" "T" "T" "A" "A" "C" "A" "C" "T" "C" "C" "A"
##
```

```
[5365] "A" "C" "A" "A" "A" "T" "A" "G" "A" "G" "T" "T" "G" "A" "A" "G" "T" "T"
   [5383] "T" "A" "A" "T" "C" "C" "A" "C" "C" "T" "G" "C" "T" " " "C" "T" "A" "C"
##
   [5401] "A" "A" "G" "A" "T" "G" "C" "T" "T" "A" "T" "T" "A" "C" "A" "G"
##
   [5419] "C" "A" "A" "G" "G" "G" "C" "T" "G" "G" "T" "G" "A" "A" "A" "G" "C" "T" "G"
##
   [5437] "C" "T" "A" "A" "C" "T" "T" "T" "T" "G" "T" "G" "C" "A" "C" "T" "T" "A"
   [5455] "T" "C" "T" "T" "A" "G" "C" "C" "T" "A" "C" "T" " "G" "T" "A" "A" "T"
##
   [5473] "A" "A" "G" "A" "C" "A" "G" "T" "A" "G" "T" "G" "T" "G" "A" "G" "T" "T" "A"
   [5491] "G" "G" "T" "G" "A" "T" "G" "T" "T" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A"
##
   [5509] "A" "T" "G" "A" "G" "T" "T" "A" "C" "T" "T" "G" "T" "T" "T" "C" "A" "A"
   [5527] "C" "A" "T" "G" "C" "C" "A" "A" "T" "T" "T" " "A" "G" "A" "T" "T" "C"
##
   [5545] "T" "T" "G" "C" "A" "A" "A" "A" "G" "A" "G" "T" "C" "T" "T" "G" "A" "A" "A"
   [5563] "C" "G" "C" "G" "G" "T" "G" "T" "G" "T" "A" "A" "A" "A" "A" "C" "T" "T" "G"
##
   [5581] "T" "G" "G" "A" "C" "A" "A" "C" "A" "G" "C" "A" "G" "A" "G" "A" "C" "A" "C"
   [5599] "C" "C" "T" "T" "A" "A" "G" "G" "G" "T" " "G" "T" "A" "G" "A" "A" "G"
##
##
   [5617] "C" "T" "G" "T" "A" "T" "G" "T" "A" "C" "A" "T" "G" "G" "G" "G" "C" "A"
   [5635] "C" "A" "C" "T" "T" "T" "C" "T" "T" "A" "T" "G" "A" "A" "C" "A" "A" "T"
##
##
   [5653]
         "T" "T" "A" "A" "G" "A" "A" "A" "G" "G" "T" "G" "T" "T" "C" "A" "G" "A"
   [5671] "T" "A" "C" "C" "T" "T" "G" "T" "A" " " "C" "G" "T" "G" "T" "G" "G" "T"
##
   [5689] "A" "A" "A" "C" "A" "A" "G" "C" "T" "A" "C" "A" "A" "A" "A" "A" "T" "A" "T"
##
   [5707] "C" "T" "A" "G" "T" "A" "C" "A" "A" "C" "A" "G" "G" "A" "G" "T" "C" "A"
##
   [5725] "C" "C" "T" "T" "T" "T" "G" "T" "T" "A" "T" "G" "A" "T" "G" "T" "C" "A"
##
   [5743] "G" "C" "A" "C" "C" "A" "C" "C" " " "T" "G" "C" "T" "C" "A" "G" "T" "A"
##
   [5761] "T" "G" "A" "A" "C" "T" "T" "A" "A" "G" "C" "A" "T" "G" "G" "T" "A" "C"
##
   [5779] "A" "T" "T" "T" "A" "C" "T" "T" "G" "T" "G" "C" "T" "A" "G" "T" "G" "A"
##
   [5797] "G" "T" "A" "C" "A" "C" "T" "G" "G" "T" "A" "A" "T" "T" "A" "C" "C" "A"
##
   [5815] "G" "T" "G" "T" "G" "G" "T" " " "C" "A" "C" "T" "A" "T" "A" "A" "A" "A" "C"
   [5833] "A" "T" "A" "T" "A" "A" "C" "T" "T" "C" "T" "A" "A" "A" "G" "A" "A" "A" "A"
##
   [5851] "C" "T" "T" "T" "G" "T" "A" "T" "T" "G" "C" "A" "T" "A" "G" "A" "C" "G"
   [5869] "G" "T" "G" "C" "T" "T" "T" "A" "C" "T" "T" "A" "C" "A" "A" "A" "A" "G" "T"
##
   [5887] "C" "C" "T" "C" "A" "G" " " "A" "A" "T" "A" "C" "A" "A" "A" "A" "G" "G" "T"
   [5905] "C" "C" "T" "A" "T" "T" "A" "C" "G" "G" "A" "T" "G" "T" "T" "T" "T" "C"
##
##
   [5923]
         "T" "A" "C" "A" "A" "A" "G" "A" "A" "A" "A" "C" "A" "G" "T" "T" "A" "C"
   [5941] "A" "C" "A" "A" "C" "A" "A" "C" "C" "A" "T" "A" "A" "A" "A" "A" "C" "C" "A"
##
   ##
   ##
   [5995] "A" "A" "T" "T" "G" "A" "C" "C" "C" "T" "A" "A" "G" "T" "T" "G" "G" "A"
##
   ##
##
   [6031] "C" "A" "A" "T" " "T" "C" "T" "T" "A" "T" "T" "T" "C" "A" "C" "A" "G"
   [6049] "A" "G" "C" "A" "A" "C" "C" "A" "A" "T" "T" "G" "A" "T" "C" "T" "T" "G"
##
   ##
   [6085] "C" "A" "A" "A" "C" "G" "C" "A" "A" "G" "C" "T" "T" "C" "G" "A" "T" "A"
   [6103] "A" "T" "T" " " "T" "T" "A" "A" "G" "T" "T" "T" "G" "T" "A" "A" "T"
##
   [6121] "G" "A" "T" "A" "A" "T" "A" "T" "C" "A" "A" "A" "T" "T" "T" "T" "G" "C" "T"
##
   [6139] "G" "A" "T" "G" "A" "T" "T" "T" "A" "A" "A" "C" "C" "A" "G" "T" "T" "A"
   [6157] "A" "C" "T" "G" "G" "T" "T" "A" "T" "A" "A" "G" "A" "A" "A" "A" "C" "C" "T"
   [6175] "G" "C" " "T" "T" "C" "A" "A" "G" "A" "G" "A" "G" "C" "T" "T" "A" "A"
##
   [6193] "A" "G" "T" "T" "A" "C" "A" "T" "T" "T" "T" "T" "C" "C" "C" "C" "T" "G" "A"
##
   [6211] "C" "T" "T" "A" "A" "A" "T" "G" "G" "T" "G" "A" "T" "G" "T" "G" "T"
##
   ##
   [6265] "A" "G" "A" "A" "A" "G" "G" "A" "G" "C" "T" "A" "A" "A" "A" "T" "T" "G" "T"
##
   [6283] "T" "A" "C" "A" "T" "A" "A" "A" "C" "C" "T" "A" "T" "T" "G" "T" "T" "T"
##
   [6301] "G" "G" "C" "A" "T" "G" "T" "T" "A" "A" "C" "A" "A" "T" "G" "C" "A" "A"
##
   [6319] " " "C" "T" "A" "A" "T" "A" "A" "A" "G" "C" "C" "A" "C" "G" "T" "A" "T"
##
```

```
[6337] "A" "A" "A" "C" "C" "A" "A" "A" "T" "A" "C" "C" "T" "G" "G" "T" "G" "T"
   [6355] "A" "T" "A" "C" "G" "T" "T" "G" "T" "C" "T" "T" "T" "G" "G" "A" "N" "N"
##
   ##
   ##
   [6409] "A" "C" "T" "G" "A" "A" "G" "T" "C" "A" "G" "A" "G" "G" "A" "C" "G" "C"
##
   [6427] "G" "C" "A" "G" "G" "G" "A" "A" "T" "G" "G" "A" "T" "A" "T" "A" "T" "A" "T" "A" "T" "C" "T"
   [6463] "A" "A" "C" "T" "A" "G" "T" "C" "T" "C" "T" "G" "A" "A" "G" "A" "A" "G"
##
   [6481] "T" "A" "G" "T" "G" "G" "A" "A" "A" "A" "T" "C" "C" "T" "A" "C" "C" "A"
##
   [6499] "T" "A" "C" "A" "G" "A" "A" "A" "G" "A" "C" "G" "T" "T" "C" "T" "T" "G"
##
   [6517] "A" "G" "T" "G" "T" "A" "A" "T" "G" "T" "G" "A" "A" "A" "A" "A" " " "C" "T"
   [6535] "A" "C" "C" "G" "A" "A" "G" "T" "T" "G" "T" "A" "G" "G" "A" "G" "A" "C"
##
   [6553] "A" "T" "T" "A" "T" "A" "C" "T" "T" "A" "A" "A" "C" "C" "A" "G" "C" "A"
   ##
   [6589] "A" "C" "A" "G" "A" "G" "A" "G" "G" "T" "T" "G" "G" " " " "C" "C" "A"
   [6607] "C" "A" "C" "A" "G" "A" "T" "C" "T" "A" "A" "T" "G" "G" "C" "T" "G" "C"
##
##
   [6625]
         "T" "T" "A" "T" "G" "T" "A" "G" "A" "C" "A" "A" "T" "T" "C" "T" "A" "G"
   [6643] "T" "C" "T" "T" "A" "C" "T" "A" "T" "T" "A" "A" "G" "A" "A" "A" "A" "C" "C"
##
   [6661] "T" "A" "A" "T" "G" "A" "A" "T" "T" "A" "T" "C" "T" " " "A" "G" "A" "G"
##
   [6679] "T" "A" "T" "T" "A" "G" "G" "T" "T" "T" "G" "A" "A" "A" "A" "A" "C" "C" "C"
##
   [6697] "T" "T" "G" "C" "T" "A" "C" "T" "C" "A" "T" "G" "G" "T" "T" "T" "A" "G"
##
   [6715] "C" "T" "G" "C" "T" "G" "T" "T" "A" "A" "T" "A" "G" "T" "G" "T" "C" "C"
   [6733] "C" "T" "T" "G" "G" "G" "A" "T" "A" "C" "T" "A" " " "T" "A" "G" "C" "T"
##
   [6751] "A" "A" "T" "T" "A" "T" "G" "C" "T" "A" "A" "G" "C" "C" "T" "T" "T" "T"
##
   [6769] "C" "T" "T" "A" "A" "C" "A" "A" "A" "G" "T" "T" "G" "T" "T" "A" "G" "T"
##
   [6787] "A" "C" "A" "A" "C" "T" "A" "C" "T" "A" "A" "C" "A" "T" "A" "G" "T" "T"
   [6805] "A" "C" "A" "C" "G" "G" "T" "G" "T" "T" "T" "T" " "A" "A" "A" "C" "C" "G"
##
   [6823] "T" "G" "T" "T" "T" "G" "T" "A" "C" "T" "A" "A" "A" "T" "A" "A" "T" "A" "T" "A" "T"
   [6841] "G" "C" "C" "T" "T" "A" "T" "T" "T" "C" "T" "T" "T" "A" "C" "T" "T" "T"
##
   [6859] "A" "T" "T" "G" "C" "T" "A" "C" "A" "A" "T" "T" "G" "T" "G" "T" "A" "C"
   [6877] "T" "T" "T" "T" "A" "C" "T" "A" "G" "A" " " "A" "G" "T" "A" "C" "A" "A"
##
##
   [6895] "A" "T" "T" "C" "T" "A" "G" "A" "A" "T" "T" "A" "A" "A" "A" "G" "C" "A" "T"
   [6913] "C" "T" "A" "T" "G" "C" "C" "G" "A" "C" "T" "A" "C" "T" "A" "T" "A" "T" "A" "G"
##
   [6931] "C" "A" "A" "A" "G" "A" "A" "T" "A" "C" "T" "G" "T" "T" "A" "A" "G" "A"
##
   ##
   [6967] "C" "T" "A" "G" "A" "G" "G" "C" "T" "T" "C" "A" "T" "T" "T" "A" "A" "T"
##
   [6985] "T" "A" "T" "T" "T" "G" "A" "A" "G" "T" "C" "A" "C" "C" "T" "A" "A" "T"
##
##
   [7003] "T" "T" "T" "T" "C" "T" "A" "A" "A" "C" "T" "G" "A" "T" "A" "A" "A" "T"
   ##
   [7039] "A" "C" "T" "A" "T" "T" "A" "A" "G" "T" "G" "T" "T" "T" "G" "C" "C" "T"
##
   [7057] "A" "G" "G" "T" "T" "C" "T" "T" "T" "A" "A" "T" "C" "T" "A" "C" "T" "C"
   [7075] "A" "A" "C" "C" "G" "C" "T" "G" "C" "T" "T" "T" "A" "G" "G" "T" "G" "T"
##
   [7093] "T" "T" "A" "A" "A" "T" "G" " " "T" "C" "T" "A" "A" "A" "T" "T" "A" "G"
##
   [7111] "G" "C" "A" "T" "G" "C" "T" "T" "C" "T" "T" "A" "C" "T" "A"
   [7129] "C" "T" "G" "G" "T" "T" "A" "C" "A" "G" "A" "G" "A" "A" "G" "G" "C" "T"
   [7147] "A" "T" "T" "T" "G" "A" "A" "C" "T" "C" "T" "A" "C" "T" "A" "A" "A" "T" "G"
##
   [7165] "T" "C" "A" "C" "T" "A" " " "T" "T" "G" "C" "A" "A" "C" "C" "T" "A" "C"
##
   [7183] "T" "G" "T" "A" "C" "T" "G" "G" "T" "T" "C" "T" "A" "T" "A" "T" "A" "T" "C" "T"
##
   [7201] "T" "G" "T" "A" "G" "T" "G" "T" "T" "T" "G" "T" "C" "T" "T" "A" "G" "T"
   [7219] "G" "G" "T" "T" "T" "A" "G" "A" "T" "T" "C" "T" "T" "T" "A" "G" "A" "C"
##
   ##
   [7255] "A" "A" "C" "T" "A" "T" "A" "C" "A" "A" "A" "T" "T" "A" "C" "C" "A" "T"
##
   [7273] "T" "T" "C" "A" "T" "C" "T" "T" "T" "T" "A" "A" "A" "A" "T" "G" "G" "G" "A"
##
   [7291] "T" "T" "T" "A" "A" "C" "T" "G" "C" "T" "T" "T" "T" "T" "G" "G" "C" "T" "T"
##
```

```
[7309] "A" "G" "T" "T" " " "G" "C" "A" "G" "A" "G" "T" "G" "G" "T" "T" "T" "T" "T"
    [7327] "T" "G" "G" "C" "A" "T" "A" "T" "A" "T" "T" "C" "T" "T" "T" "T" "T" "T" "C" "A"
##
    [7345] "C" "T" "A" "G" "G" "T" "T" "T" "T" "T" "C" "T" "A" "T" "G" "T" "A" "C"
##
    [7363] "T" "T" "G" "G" "A" "T" "T" "G" "G" "C" "T" "G" "C" "A" "A" "A" "T" "C" "A"
##
    [7381] "T" "G" "C" " " "A" "A" "T" "T" "G" "T" "T" "T" "T" "T" "T" "C" "A" "G" "C"
    [7399] "T" "A" "T" "T" "T" "T" "G" "C" "A" "G" "T" "A" "C" "A" "T" "T" "T" "T" "T"
##
    [7417] "A" "T" "T" "A" "G" "T" "A" "A" "T" "T" "C" "T" "T" "G" "G" "C" "T" "T"
    ##
    [7453] "C" "T" " " "T" "G" "T" "A" "C" "A" "A" "A" "T" "G" "G" "C" "C" "C" "C"
    [7471] "G" "A" "T" "T" "T" "C" "A" "G" "C" "T" "A" "T" "G" "G" "T" "T" "A" "G"
##
    [7507] "A" "T" "C" "A" "T" "T" "T" "T" "A" "T" "A" "T" "G" "T" "A" "T" "G"
##
    [7525] "G" " " "A" "A" "A" "A" "G" "T" "T" "A" "T" "G" "T" "G" "C" "A" "T" "G"
    [7543] "T" "T" "G" "T" "A" "G" "A" "C" "G" "G" "T" "T" "G" "T" "A" "A" "T" "T"
##
##
    [7561] "C" "A" "T" "C" "A" "A" "C" "T" "T" "G" "T" "A" "T" "G" "A" "T" "G" "T"
    [7579] "G" "T" "T" "A" "C" "A" "A" "A" "C" "G" "T" "A" "A" "T" "A" "G" "A" "G"
##
##
    [7597] " " "C" "A" "A" "C" "A" "A" "G" "A" "G" "T" "C" "G" "A" "A" "T" "G" "T"
    [7615] "A" "C" "A" "A" "C" "T" "A" "T" "T" "G" "T" "T" "A" "A" "T" "G" "T"
##
    [7633] "G" "T" "T" "A" "G" "A" "A" "G" "G" "T" "C" "C" "T" "T" "T" "T" "A" "T"
##
    [7651] "G" "T" "C" "T" "A" "T" "G" "C" "T" "A" "A" "T" "G" "G" "A" "G" "G" " "
##
    [7669] "T" "A" "A" "A" "G" "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "A" "A" "C" "T"
##
    [7687] "A" "C" "A" "C" "A" "A" "T" "T" "G" "G" "A" "A" "T" "T" "G" "T" "G" "T"
    [7705] "T" "A" "A" "T" "T" "G" "T" "G" "A" "T" "A" "C" "A" "T" "T" "C" "T" "G"
##
    [7723] "T" "G" "C" "T" "G" "G" "T" "A" "G" "T" "A" "C" "A" "T" "T" "T" "T" " "A"
##
    [7741] "T" "T" "A" "G" "T" "G" "A" "T" "G" "A" "A" "G" "T" "T" "G" "C" "G" "A"
##
    [7759] "G" "A" "G" "A" "C" "T" "T" "G" "T" "C" "A" "C" "T" "A" "C" "A" "G" "T"
    [7777] "T" "T" "A" "A" "A" "A" "G" "A" "C" "C" "A" "A" "T" "A" "A" "A" "T" "C"
##
    [7795] "C" "T" "A" "C" "T" "G" "A" "C" "C" "A" "G" "T" "C" "T" "T" " " "C" "T"
    [7813] "T" "A" "C" "A" "T" "C" "G" "T" "T" "G" "A" "T" "A" "G" "T" "G" "T" "T"
##
    [7831] "A" "C" "A" "G" "T" "G" "A" "A" "G" "A" "A" "T" "G" "G" "T" "T" "C" "C"
    [7849] "A" "T" "C" "C" "A" "T" "C" "T" "T" "A" "C" "T" "T" "T" "T" "G" "A" "T"
##
    [7867] "A" "A" "A" "G" "C" "T" "G" "G" "T" "C" "A" "A" "A" "A" "A" " "G" "A" "C"
##
    [7885] "T" "T" "A" "T" "G" "A" "A" "A" "G" "A" "C" "A" "T" "T" "C" "T" "C" "T"
##
    [7903] "C" "T" "C" "T" "C" "A" "T" "T" "T" "T" "G" "T" "T" "A" "A" "A" "C" "T" "T"
##
    [7921] "A" "G" "A" "C" "A" "A" "C" "C" "T" "G" "A" "G" "A" "G" "C" "T" "A" "A"
##
    [7939] "T" "A" "A" "C" "A" "C" "T" "A" "A" "A" "G" "G" "T" " " "T" "C" "A" "T"
##
    [7957] "T" "G" "C" "C" "T" "A" "T" "T" "A" "A" "T" "G" "T" "T" "A" "T" "A" "G"
##
##
    [7975] "T" "T" "T" "T" "T" "G" "A" "T" "G" "G" "T" "A" "A" "A" "A" "T" "C" "A" "A"
    [7993] "A" "A" "T" "G" "T" "G" "A" "A" "G" "A" "A" "T" "C" "A" "T" "C" "T" "G"
##
    [8011] "C" "A" "A" "A" "A" "T" "C" "A" "G" "C" "G" "T" " " "C" "T" "G" "T" "T"
##
    [8029] "T" "A" "C" "T" "A" "C" "A" "G" "T" "C" "A" "G" "C" "T" "T" "A" "T" "G"
    [8047] "T" "G" "T" "C" "A" "A" "C" "C" "T" "A" "T" "A" "C" "T" "G" "T" "T" "A"
##
    [8065] "C" "T" "A" "G" "A" "T" "C" "A" "G" "G" "C" "A" "T" "T" "A" "G" "T" "G"
    [8083] "T" "C" "T" "G" "A" "T" "G" "T" "T" "G" "G" " " "T" "G" "A" "T" "A" "G"
##
    [8101] "T" "G" "C" "G" "G" "A" "A" "G" "T" "T" "G" "C" "A" "G" "T" "T" "A" "A"
    [8119] "A" "A" "T" "G" "T" "T" "T" "G" "A" "T" "G" "C" "T" "T" "A" "C" "G" "T"
##
    [8137] "T" "A" "A" "T" "A" "C" "G" "T" "T" "T" "T" "C" "A" "T" "C" "A" "A" "A" "C"
##
    [8155] "T" "T" "T" "T" "A" "A" "C" "G" "T" "A" " " "C" "C" "A" "A" "T" "G" "G"
##
    [8173] "A" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A" "C" "A" "C" "T" "A" "G"
    [8191] "T" "T" "G" "C" "A" "A" "C" "T" "G" "C" "A" "G" "A" "A" "G" "C" "T" "G"
##
    [8209] "A" "A" "C" "T" "T" "G" "C" "A" "A" "A" "G" "A" "A" "T" "G" "T"
##
    [8227] "C" "C" "T" "T" "A" "G" "A" "C" "A" " "A" "T" "G" "T" "C" "T" "T" "A"
##
    [8245] "T" "C" "T" "A" "C" "T" "T" "T" "T" "A" "T" "T" "T" "T" "C" "A" "G" "C" "A"
##
    ##
```

```
[8281] "G" "A" "T" "T" "C" "A" "G" "A" "T" "G" "T" "A" "G" "A" "A" "A" "A" "C" "T"
    [8299] "A" "A" "A" "G" "A" "T" "G" "T" " " "T" "G" "T" "T" "G" "A" "A" "A" "T" "G"
##
    [8317] "T" "C" "T" "T" "A" "A" "A" "T" "T" "G" "T" "C" "A" "C" "A" "T" "C" "A"
##
    [8335] "A" "T" "C" "T" "G" "A" "C" "A" "T" "A" "G" "A" "A" "G" "T" "T" "A" "C"
##
    [8353] "T" "G" "G" "C" "G" "A" "T" "A" "G" "T" "T" "G" "T" "A" "A" "A" "T" "A" "A"
    [8371] "C" "T" "A" "T" "A" "T" "G" " " "C" "T" "C" "A" "C" "C" "T" "A" "T" "A"
##
    [8389] "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "C" "A" "T" "G" "A"
    [8407] "C" "A" "C" "C" "C" "C" "G" "T" "G" "A" "C" "C" "T" "T" "G" "G" "T" "G"
##
    [8425] "C" "T" "T" "G" "T" "A" "T" "T" "G" "A" "C" "T" "G" "T" "A" "G" "T" "A" "G"
    [8443] "C" "G" "C" "G" "T" "C" " " "A" "T" "A" "T" "A" "A" "A" "T" "G" "C" "G"
##
    [8461] "C" "A" "G" "G" "T" "A" "G" "C" "A" "A" "A" "A" "A" "A" "G" "T" "C" "A" "C"
    [8479] "A" "A" "C" "A" "T" "T" "G" "C" "T" "T" "T" "G" "A" "T" "A" "T" "G" "G"
##
    [8497] "A" "A" "C" "G" "T" "T" "A" "A" "A" "G" "A" "T" "T" "T" "C" "A" "T" "G"
    [8515] "T" "C" "A" "T" "T" " " "G" "T" "C" "T" "G" "A" "A" "C" "A" "A" "C" "T"
##
    [8533] "A" "C" "G" "A" "A" "A" "A" "C" "A" "A" "A" "T" "A" "C" "G" "T" "A" "G"
    [8551] "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "A" "A" "G" "A" "A" "A" "T" "A" "A"
##
##
    [8569]
          "C" "T" "T" "A" "C" "C" "T" "T" "T" "T" "A" "A" "G" "T" "T" "G" "A" "C"
    [8587] "A" "T" "G" "T" " "G" "C" "A" "A" "C" "T" "A" "C" "T" "A" "G" "A" "G" "A" "C"
    [8605] "A" "A" "G" "T" "T" "G" "T" "T" "A" "A" "T" "G" "T" "T" "G" "T" "A" "A"
    [8623] "C" "A" "A" "C" "A" "A" "A" "G" "A" "T" "A" "G" "C" "A" "C" "T" "T" "A"
##
    [8641] "A" "G" "G" "G" "T" "G" "G" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "A"
##
    [8659] "A" "T" "A" " "A" "T" "T" "G" "G" "T" "T" "G" "A" "A" "G" "C" "A" "G"
    [8677] "T" "T" "A" "A" "T" "T" "A" "A" "A" "G" "T" "T" "A" "C" "A" "C" "T" "T"
##
    [8695] "G" "T" "G" "T" "T" "C" "C" "T" "T" "T" "T" "T" "G" "T" "T" "G" "C" "T"
##
    [8713] "G" "C" "T" "A" "T" "T" "T" "T" "C" "T" "A" "T" "T" "T" "A" "A" "T" "A"
##
    [8731] "A" "C" " " "A" "C" "C" "T" "G" "T" "T" "C" "A" "T" "G" "T" "C" "A" "T"
    [8749] "G" "T" "C" "T" "A" "A" "A" "C" "A" "T" "A" "C" "T" "G" "A" "C" "T" "T"
    [8767] "T" "T" "C" "A" "A" "G" "T" "G" "A" "A" "A" "T" "C" "A" "T" "A" "G" "G"
    [8785] "A" "T" "A" "C" "A" "A" "G" "G" "C" "T" "A" "T" "T" "G" "A" "T" "G" "G"
##
    [8803] "T" " "G" "G" "T" "G" "T" "C" "A" "C" "T" "C" "G" "T" "G" "A" "C" "A"
    [8821] "T" "A" "G" "C" "A" "T" "C" "T" "A" "C" "A" "G" "A" "T" "A" "C" "T" "T"
##
##
    [8839] "G" "T" "T" "T" "T" "G" "C" "T" "A" "A" "C" "A" "A" "A" "C" "A" "T" "G"
    [8857] "C" "T" "G" "A" "T" "T" "T" "T" "G" "A" "C" "A" "C" "A" "T" "G" "G" "T"
##
    [8875] " " "T" "T" "A" "G" "C" "C" "A" "G" "C" "G" "T" "G" "G" "T" "G" "G" "T"
    [8893] "A" "G" "T" "T" "A" "T" "A" "C" "T" "A" "A" "T" "G" "A" "C" "A" "A" "A"
##
    [8911] "G" "C" "T" "T" "G" "C" "C" "C" "A" "T" "T" "G" "A" "T" "T" "G" "C" "T"
##
    [8929] "G" "C" "A" "G" "T" "C" "A" "T" "A" "A" "C" "A" "A" "G" "A" "G" "A" "G"
##
##
    [8947] "A" "G" "T" "G" "G" "G" "T" "T" "T" "T" "G" "T" "C" "G" "T" "G" "T" "G" "C"
    [8965] "T" "G" "G" "T" "T" "T" "G" "C" "C" "T" "G" "G" "C" "A" "C" "G" "A" "T"
##
    [8983] "A" "T" "T" "A" "C" "G" "C" "A" "C" "A" "A" "C" "T" "A" "A" "T" "G" "G"
##
    [9001] "T" "G" "A" "C" "T" "T" "T" "T" "T" "G" "C" "A" "T" "T" "T" "C" " " "T"
    [9019] "T" "A" "C" "C" "T" "A" "G" "A" "G" "T" "T" "T" "T" "T" "A" "G" "T" "G"
    [9037] "C" "A" "G" "T" "T" "G" "G" "T" "A" "A" "C" "A" "T" "C" "T" "G" "T" "T"
##
    [9055] "A" "C" "A" "C" "A" "C" "C" "A" "T" "C" "A" "A" "A" "A" "A" "C" "T" "T" "A"
    [9073] "T" "A" "G" "A" "G" "T" "A" "C" "A" "C" "T" "G" "A" "T" "T" "T" "T"
    [9091] "G" "C" "A" "A" "C" "A" "T" "C" "A" "G" "C" "T" "T" "G" "T" "G" "T" "T"
##
    [9109] "T" "T" "G" "G" "C" "T" "G" "C" "T" "G" "A" "A" "T" "G" "T" "A" "C" "A"
##
    [9127] "A" "T" "T" "T" "T" "T" "A" "A" "A" "G" "A" "T" "G" "C" "T" "T" "C" "T"
##
    [9145] "G" "G" "T" "A" "A" "G" "C" "C" "A" "T" "A" "C" "C" " " " "A" "T" "A"
    [9163] "T" "T" "G" "T" "T" "A" "T" "G" "A" "T" "A" "C" "C" "A" "A" "T" "G" "T"
##
    [9181] "A" "C" "T" "A" "G" "A" "A" "G" "G" "T" "T" "C" "T" "G" "T" "T" "G" "C"
##
    [9199] "T" "T" "A" "T" "G" "A" "A" "A" "G" "T" "T" "T" "A" "C" "G" "C" "C" "C"
##
    [9217] "T" "G" "A" "C" "A" "C" "A" "C" "G" "T" "T" "A" "T" " " "G" "T" "G" "C"
##
    [9235] "T" "C" "A" "T" "G" "G" "A" "T" "G" "G" "C" "T" "C" "T" "A" "T" "T" "A"
##
```

```
[9253] "T" "T" "C" "A" "A" "T" "T" "T" "C" "C" "T" "A" "A" "C" "A" "C" "C" "T"
    [9271] "A" "C" "C" "T" "T" "G" "A" "A" "G" "G" "T" "T" "C" "T" "G" "T" "T" "A"
##
    [9289] "G" "A" "G" "T" "G" "G" "T" "A" "A" "C" "A" "A" " " " " "C" "T" "T" "T" "T"
    [9307] "G" "A" "T" "T" "C" "T" "G" "A" "G" "T" "A" "C" "T" "G" "T" "A" "G" "T" "A" "G"
    [9325] "C" "A" "C" "G" "G" "C" "A" "C" "T" "T" "G" "T" "G" "A" "A" "A" "A" "G" "A"
    [9343] "T" "C" "A" "G" "A" "A" "G" "C" "T" "G" "G" "T" "G" "T" "T" "T" "T" "G" "T"
##
    [9361] "G" "T" "A" "T" "C" "T" "A" "C" "T" "A" "G" " " "T" "G" "G" "T" "A" "G"
    [9379] "A" "T" "G" "G" "G" "T" "A" "C" "T" "T" "A" "A" "C" "A" "A" "T" "G" "A"
##
    [9397] "T" "T" "A" "T" "T" "A" "C" "A" "G" "A" "T" "C" "T" "T" "T" "A" "C" "C"
    [9415] "A" "G" "G" "A" "G" "T" "T" "T" "T" "C" "T" "G" "T" "G" "G" "T" "G" "T"
##
    [9433] "A" "G" "A" "T" "G" "C" "T" "G" "T" "A" " " "A" "A" "T" "T" "T" "T" "A" "C"
    [9451] "T" "T" "A" "C" "T" "A" "A" "T" "A" "T" "G" "T" "T" "T" "A" "C" "A" "C"
    [9469] "C" "A" "C" "T" "A" "A" "T" "T" "C" "A" "A" "C" "C" "T" "A" "T" "T" "G"
    [9487] "G" "T" "G" "C" "T" "T" "T" "G" "G" "A" "C" "A" "T" "A" "T" "C" "A" "G"
##
    [9505] "C" "A" "T" "C" "T" "A" "T" "A" "G" " " "T" "A" "G" "C" "T" "G" "G" "T"
    [9523] "G" "G" "T" "A" "T" "T" "G" "T" "A" "G" "C" "T" "A" "T" "C" "G" "T" "A"
##
##
    [9541]
          "G" "T" "A" "A" "C" "A" "T" "G" "C" "C" "T" "T" "G" "C" "C" "T" "A" "C"
    [9559] "T" "A" "T" "T" "T" "T" "A" "T" "G" "A" "G" "G" "T" "T" "T" "T" "A" "G" "A"
    [9577] "A" "G" "A" "G" "C" "T" "T" "T" "T" "T" "G" "G" "T" "G" "A" "A" "T" "A"
    [9595] "C" "A" "G" "T" "C" "A" "T" "G" "T" "A" "G" "T" "T" "G" "C" "C" "T" "T"
    [9613] "T" "A" "A" "T" "A" "C" "T" "T" "A" "C" "T" "A" "C" "T" "A" "T" "T" "C" "C" "T"
##
    [9631] "T" "A" "T" "G" "T" "C" "A" "T" "T" "C" "A" "C" "T" "G" "T" "A" "C" "T"
    [9649] "C" "T" "G" "T" "T" "T" "A" " " "A" "C" "A" "C" "A" "G" "A" "G" "T" "T" "T"
##
    [9667] "A" "C" "T" "C" "A" "T" "T" "C" "T" "T" "A" "C" "C" "T" "G" "G" "T" "G"
    [9685] "T" "T" "T" "A" "T" "T" "C" "T" "G" "T" "T" "A" "T" "T" "T" "A" "C" "T"
##
    [9703] "T" "G" "T" "A" "C" "T" "T" "G" "A" "C" "A" "T" "T" "T" "T" "A" "T" "A" "T" "C"
    [9721] "T" "T" "A" "C" "T" "A" " " "A" "T" "G" "A" "T" "G" "T" "T" "T" "T" "C" "T"
    [9739] "T" "T" "T" "T" "T" "A" "G" "C" "A" "C" "A" "T" "A" "T" "T" "C" "A" "G"
    [9757] "T" "G" "G" "A" "T" "G" "G" "T" "T" "A" "T" "G" "T" "T" "C" "A" "C" "A"
    [9775] "C" "C" "T" "T" "T" "A" "G" "T" "A" "C" "C" "T" "T" "T" "C" "T" "G" "G"
    [9793] "A" "T" "A" "A" "C" " " "A" "A" "T" "T" "G" "C" "T" "T" "A" "T" "A" "T"
##
    [9811] "C" "A" "T" "T" "T" "G" "T" "A" "T" "T" "T" "C" "C" "A" "C" "A" "A" "A" "A"
##
    [9829] "G" "C" "A" "T" "T" "T" "C" "T" "A" "T" "T" "G" "G" "T" "T" "C" "T" "T"
    [9847] "T" "A" "G" "T" "A" "A" "T" "T" "A" "C" "C" "T" "A" "A" "A" "A" "G"
    [9865] "A" "C" "G" "T" " "G" "T" "A" "G" "T" "C" "T" "T" "T" "A" "A" "T" "G"
    [9883] "G" "T" "G" "T" "T" "T" "C" "C" "T" "T" "T" "A" "G" "T" "A" "C" "T" "T"
##
    [9901] "T" "T" "G" "A" "A" "G" "A" "A" "G" "C" "T" "G" "C" "G" "C" "T" "G" "T"
##
##
    [9937] "A" "A" "G" " "A" "A" "A" "T" "G" "T" "A" "T" "C" "T" "A" "A" "A" "A" "G"
##
    [9955] "T" "T" "G" "C" "G" "T" "A" "G" "T" "G" "A" "T" "G" "T" "G" "T" "G" "T" "A"
##
    [9973] "T" "T" "A" "C" "C" "T" "C" "T" "T" "A" "C" "G" "C" "A" "A" "T" "A" "T"
   [9991] "A" "A" "T" "A" "G" "A" "T" "A" "C" "T" "T" "A" "G" "C" "T" "C" "T" "T"
   [10009] "T" "A" " " "T" "A" "A" "T" "A" "A" "G" "T" "A" "C" "A" "A" "G" "T" "A"
   [10027] "T" "T" "T" "A" "G" "T" "G" "G" "A" "G" "C" "A" "A" "T" "G" "G" "A"
   [10045] "T" "A" "C" "A" "A" "C" "T" "A" "G" "C" "T" "A" "C" "A" "G" "A" "G" "A"
## [10063] "A" "G" "C" "T" "G" "C" "T" "T" "G" "T" "T" "G" "T" "C" "A" "T" "C" "A" "T" "C" "T"
   [10081] "C" " " "G" "C" "A" "A" "A" "G" "G" "C" "T" "C" "T" "C" "A" "A" "T" "G"
   [10099] "A" "C" "T" "T" "C" "A" "G" "T" "A" "A" "C" "T" "C" "A" "G" "G" "T" "T"
   [10117] "C" "T" "G" "A" "T" "G" "T" "T" "C" "T" "T" "A" "C" "C" "A" "A" "C"
   [10135] "C" "A" "C" "C" "A" "C" "A" "A" "A" "T" "C" "T" "C" "T" "A" "T" "C" "A"
   [10153] " " "C" "C" "T" "C" "A" "G" "C" "T" "G" "T" "T" "T" "T" "T" "G" "C" "A" "G"
## [10171] "A" "G" "T" "G" "G" "T" "T" "T" "T" "A" "G" "A" "A" "A" "A" "A" "T" "G"
## [10189] "G" "C" "A" "T" "T" "C" "C" "C" "A" "T" "C" "T" "G" "G" "T" "A" "A" "A"
## [10207] "G" "T" "T" "G" "A" "G" "G" "G" "T" "T" "G" "T" "A" "T" "G" "G" "T" "
```

```
## [10225] "A" "C" "A" "A" "G" "T" "A" "A" "C" "T" "T" "G" "T" "G" "G" "T" "A" "C"
  [10243] "A" "A" "C" "T" "A" "C" "A" "C" "T" "T" "A" "A" "C" "G" "G" "T" "C" "T"
## [10261] "T" "T" "G" "G" "C" "T" "T" "G" "A" "T" "G" "A" "C" "G" "T" "A" "G" "T"
## [10279] "T" "T" "A" "C" "T" "G" "T" "C" "C" "A" "A" "G" "A" "C" "A" "T" " " "G"
## [10297] "T" "G" "A" "T" "C" "T" "G" "C" "A" "C" "C" "T" "C" "T" "G" "A" "A" "G"
## [10315] "A" "C" "A" "T" "G" "C" "T" "T" "A" "A" "C" "C" "C" "T" "A" "A" "T" "T"
## [10333] "A" "T" "G" "A" "A" "G" "A" "T" "T" "T" "A" "C" "T" "C" "A" "T" "T" "C"
## [10351] "G" "T" "A" "A" "G" "T" "C" "T" "A" "A" "T" "C" "A" "T" "A" "T" "A" "T"
  [10369] "T" "T" "C" "T" "T" "G" "G" "T" "A" "C" "A" "G" "G" "C" "T" "G" "G" "T"
  [10387] "A" "A" "T" "G" "T" "T" "C" "A" "A" "C" "T" "C" "A" "G" "G" "G" "T" "T"
  [10405] "A" "T" "T" "G" "G" "A" "C" "A" "T" "T" "C" "T" "A" "T" "G" "C" "A" "A"
## [10423] "A" "A" "T" "T" "G" "T" "G" "T" "A" "C" "T" "T" "A" "A" " " "G" "C" "T"
## [10441] "T" "A" "A" "G" "G" "T" "T" "G" "A" "T" "A" "C" "A" "G" "C" "C" "A" "A"
## [10459] "T" "C" "C" "T" "A" "A" "G" "A" "C" "A" "C" "C" "T" "A" "A" "G" "T" "A"
## [10477] "T" "A" "A" "G" "T" "T" "G" "T" "T" "C" "G" "C" "A" "T" "T" "C" "A"
## [10495] "A" "C" "C" "A" "G" "G" "A" "C" "A" "G" "A" "C" "T" " "T" "T" "T" "T"
  [10513] "C" "A" "G" "T" "G" "T" "T" "A" "G" "C" "T" "T" "G" "T" "T" "A" "C" "A"
  [10531] "A" "T" "G" "G" "T" "T" "C" "A" "C" "C" "A" "T" "C" "T" "G" "G" "T" "G"
  [10549] "T" "T" "T" "A" "C" "C" "A" "A" "T" "G" "T" "G" "C" "T" "A" "T" "G" "A"
## [10567] "G" "G" "C" "C" "C" "A" "A" "T" "T" "T" "C" "A" " " "C" "T" "A" "T" "T"
## [10585] "A" "A" "G" "G" "G" "T" "T" "C" "A" "T" "T" "C" "C" "T" "T" "A" "A" "T"
## [10603] "G" "G" "T" "T" "C" "A" "T" "G" "T" "G" "T" "A" "G" "T" "G" "T" "T"
## [10621] "G" "G" "T" "T" "T" "T" "A" "A" "C" "A" "T" "A" "G" "A" "T" "T" "A" "T"
[10657] "T" "T" "A" "C" "A" "T" "G" "C" "A" "C" "C" "A" "T" "A" "T" "G" "G" "A"
  [10675] "A" "T" "T" "A" "C" "C" "A" "A" "C" "T" "G" "G" "A" "G" "T" "T" "C" "A"
## [10693] "T" "G" "C" "T" "G" "G" "C" "A" "C" "A" "G" "A" "C" "T" "T" "A" "G" "A"
  [10711] "A" "G" "G" "T" "A" "A" "C" "T" "T" "T" " " "T" "A" "A" "C" "C"
## [10729] "C" "T" "T" "T" "T" "G" "T" "T" "G" "A" "C" "A" "G" "G" "C" "A" "A" "A" "A"
## [10747] "C" "A" "G" "C" "A" "C" "A" "G" "C" "A" "G" "C" "T" "G" "G" "T" "A"
## [10765] "C" "G" "G" "A" "C" "A" "C" "A" "C" "T" "A" "T" "T" "A" "C" "A" "G"
  [10783] "T" "T" "A" "A" "T" "G" "T" "T" "T" " "T" "A" "G" "C" "T" "T" "G" "G"
  [10801] "T" "T" "G" "T" "A" "C" "G" "C" "T" "G" "C" "T" "G" "T" "T" "A" "T" "A"
  [10819] "A" "A" "T" "G" "G" "A" "G" "A" "C" "A" "G" "G" "T" "G" "G" "T" "T" "T"
## [10837] "C" "T" "C" "A" "A" "T" "C" "G" "A" "T" "T" "T" "A" "C" "C" "A" "C" "A"
## [10855] "A" "C" "T" "C" "T" "T" "A" "A" " " " "T" "G" "A" "C" "T" "T" "T" "A" "A"
## [10873] "C" "C" "T" "T" "G" "T" "G" "G" "C" "T" "A" "T" "G" "A" "A" "G" "T" "A"
## [10891] "C" "A" "A" "T" "T" "A" "T" "G" "A" "A" "C" "C" "T" "C" "T" "A" "A" "C"
## [10909] "A" "C" "A" "A" "G" "A" "C" "C" "A" "T" "G" "T" "T" "G" "A" "C" "A" "T"
  [10927] "A" "C" "T" "A" "G" "G" "A" " " "C" "C" "T" "C" "T" "T" "T" "T" "C" "T" "G"
##
  [10945] "C" "T" "C" "A" "A" "A" "C" "T" "G" "G" "A" "A" "T" "T" "G" "C" "C" "G"
## [10963] "T" "T" "T" "T" "A" "G" "A" "T" "A" "T" "G" "T" "G" "T" "G" "T" "T"
## [10981] "C" "A" "T" "T" "A" "A" "A" "A" "G" "A" "A" "T" "T" "A" "C" "T" "G" "C"
## [10999] "A" "A" "A" "A" "T" "G" " " "G" "T" "A" "T" "G" "A" "A" "T" "G" "G" "A"
## [11017] "C" "G" "T" "A" "C" "C" "A" "T" "A" "T" "T" "G" "G" "G" "T" "A" "G" "T"
[11053] "T" "T" "T" "A" "C" "A" "C" "C" "T" "T" "T" "T" "G" "A" "T" "G" "T" "T"
  [11071] "G" "T" "T" "A" "G" " " "A" "C" "A" "A" "T" "G" "C" "T" "C" "A" "G" "G"
  [11089] "T" "G" "T" "T" "A" "C" "T" "T" "T" "C" "C" "A" "A" "A" "G" "T" "G" "C"
## [11107] "A" "G" "T" "G" "A" "A" "A" "G" "A" "A" "C" "A" "A" "T" "C" "A" "A" "A"
  ## [11143] "G" "T" "T" "A" " " "C" "T" "C" "A" "C" "A" "A" "T" "T" "T" "T" "T" "G" "A"
## [11161] "C" "T" "T" "C" "A" "C" "T" "T" "T" "A" "G" "T" "T" "T" "T" "A" "G"
## [11179] "T" "C" "C" "A" "G" "A" "G" "T" "A" "C" "T" "C" "A" "A" "T" "G" "G" "T"
```

```
[11215] "A" "T" "G" " " "A" "A" "A" "A" "T" "G" "C" "C" "T" "T" "T" "T" "T" "A"
## [11233] "C" "C" "T" "T" "T" "T" "G" "C" "T" "A" "T" "G" "G" "G" "T" "A" "T" "T"
## [11251] "A" "T" "T" "G" "C" "T" "A" "T" "G" "T" "C" "T" "G" "C" "T" "T" "T"
## [11269] "G" "C" "A" "A" "T" "G" "A" "T" "G" "T" "T" "T" "G" "T" "C" "A" "A" "A" "A"
## [11287] "C" "A" " "T" "A" "A" "G" "C" "A" "T" "G" "C" "A" "T" "T" "T" "T" "T" "C" "T"
## [11323] "T" "T" "C" "T" "C" "T" "T" "G" "C" "C" "G" "C" "T" "G" "T" "A" "G" "C"
[11359] "T" " "A" "T" "G" "C" "C" "T" "G" "C" "T" "A" "G" "T" "T" "G" "G" "G"
  [11377] "T" "G" "A" "T" "G" "C" "G" "T" "A" "T" "T" "A" "T" "G" "A" "C" "A" "T"
## [11395] "G" "G" "T" "T" "G" "G" "A" "T" "A" "T" "G" "G" "T" "T" "G" "A" "T" "A"
## [11431] " " "A" "G" "C" "T" "A" "A" "A" "A" "G" "A" "C" "T" "G" "T" "G" "T" "T"
## [11449] "A" "T" "G" "T" "A" "T" "G" "C" "A" "T" "C" "A" "G" "C" "T" "G"
## [11467] "G" "T" "G" "T" "A" "C" "T" "A" "A" "T" "C" "C" "T" "T" "A" "T" "G"
  [11485] "A" "C" "A" "G" "C" "A" "A" "G" "A" "A" "C" "T" "G" "T" "G" "T" "A" " "
  [11503] "T" "G" "A" "T" "G" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G" "G" "A" "G"
## [11521] "A" "G" "T" "G" "T" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "A" "A"
## [11539] "T" "G" "T" "C" "T" "T" "G" "A" "C" "A" "C" "T" "C" "G" "T" "T" "T" "A"
## [11557] "T" "A" "A" "A" "G" "T" "T" "T" "A" "T" "A" "T" "G" "G" "T" " " "A"
## [11575] "A" "T" "G" "C" "T" "T" "A" "G" "A" "T" "C" "A" "A" "G" "C" "C" "A"
## [11593] "T" "T" "T" "C" "C" "A" "T" "G" "T" "G" "G" "G" "C" "T" "C" "T" "T" "A"
## [11611] "T" "A" "A" "T" "C" "T" "C" "T" "G" "T" "T" "A" "C" "T" "T" "C" "T" "A"
## [11629] "A" "C" "T" "A" "C" "T" "C" "A" "G" "G" "T" "G" "T" "A" "G" " " "T" "T"
  [11647] "A" "C" "A" "A" "C" "T" "G" "T" "C" "A" "T" "G" "T" "T" "T" "T" "T" "G"
## [11683] "A" "T" "G" "T" "G" "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "G" "C"
## [11701] "C" "C" "T" "A" "T" "T" "T" "T" "C" "T" "T" "C" "A" "T" " "A" "A" "C"
## [11719] "T" "G" "G" "T" "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "A" "G" "T" "G"
## [11737] "T" "A" "T" "A" "A" "T" "G" "C" "T" "A" "G" "T" "T" "T" "A" "T" "T" "G"
  [11755] "T" "T" "T" "C" "T" "T" "A" "G" "C" "T" "A" "T" "A" "T" "T" "T" "T" "T" "G"
## [11773] "T" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T" "T" "T" "T" " "G" "G" "C" "C"
## [11791] "T" "C" "T" "T" "T" "T" "G" "T" "T" "A" "C" "T" "C" "A" "A" "C" "C"
## [11809] "G" "C" "T" "A" "C" "T" "T" "T" "A" "G" "A" "C" "T" "G" "A" "C" "T" "C"
## [11827] "T" "T" "G" "G" "T" "G" "T" "T" "A" "T" "G" "A" "T" "T" "A" "C" "T"
## [11845] "T" "A" "G" "T" "T" "T" "C" "T" "A" "C" "A" "C" " " "A" "G" "G" "A" "G"
## [11863] "T" "T" "T" "A" "G" "A" "T" "A" "T" "A" "T" "G" "A" "A" "T" "G" "A" "A" "T" "T" "C" "A"
## [11881] "C" "A" "G" "G" "G" "A" "C" "T" "A" "C" "T" "C" "C" "C" "A" "C" "C" "C"
## [11899] "A" "A" "G" "A" "A" "T" "A" "G" "C" "A" "T" "A" "G" "A" "T" "G" "C" "C"
## [11917] "T" "T" "C" "A" "A" "A" "C" "T" "C" "A" "A" " " "C" "A" "T" "T" "A" "A"
## [11953] "C" "A" "A" "A" "C" "C" "T" "T" "G" "T" "A" "T" "C" "A" "A" "A" "A" "G" "T"
## [11971] "A" "G" "C" "C" "A" "C" "T" "G" "T" "A" "C" "A" "G" "T" "C" "T" "A" "A"
## [11989] "A" "A" "T" "G" "T" "C" "A" "G" "A" "T" " " "G" "T" "A" "A" "A" "A" "G" "T"
## [12007] "G" "C" "A" "C" "A" "T" "C" "A" "G" "T" "A" "G" "T" "C" "T" "T" "A" "C"
  [12025] "T" "C" "T" "C" "A" "G" "T" "T" "T" "T" "G" "C" "A" "A" "C" "A" "A" "C"
## [12043] "T" "C" "A" "G" "A" "G" "T" "A" "G" "A" "A" "T" "C" "A" "T" "C" "A" "T"
## [12061] "C" "T" "A" "A" "A" "T" "T" "G" "T" " "G" "G" "G" "C" "T" "C" "A" "A"
## [12079] "T" "G" "T" "G" "T" "C" "C" "A" "G" "T" "T" "A" "C" "A" "C" "A" "A" "T"
## [12097] "G" "A" "C" "A" "T" "T" "C" "T" "C" "T" "A" "A" "G" "C" "T" "A" "A" "A" "A"
## [12115] "G" "A" "T" "A" "C" "T" "A" "C" "T" "G" "A" "A" "G" "C" "C" "T" "T" "T"
## [12133] "G" "A" "A" "A" "A" "A" "A" "T" " " "G" "G" "T" "T" "T" "T" "C" "A" "C" "T"
## [12151] "A" "C" "T" "T" "T" "C" "T" "G" "T" "T" "T" "T" "G" "C" "T" "T" "T" "C"
```

```
## [12169] "C" "A" "T" "G" "C" "A" "G" "G" "G" "T" "G" "C" "T" "G" "T" "A" "G" "A"
  [12187] "C" "A" "T" "A" "A" "A" "C" "A" "A" "G" "C" "T" "T" "T" "T" "G" "T" "G" "A"
## [12205] "A" "G" "A" "A" "A" "T" "G" " "C" "T" "G" "G" "A" "C" "A" "A" "C" "A"
## [12223] "G" "G" "G" "C" "A" "A" "C" "C" "T" "T" "A" "C" "A" "A" "G" "A" "G" "T" "A"
## [12241] "T" "A" "G" "C" "C" "T" "C" "A" "G" "A" "G" "T" "T" "T" "A" "G" "T" "T"
## [12259] "C" "C" "C" "T" "T" "C" "C" "A" "T" "C" "A" "T" "A" "T" "G" "C" "A" "G"
## [12277] "C" "T" "T" "T" "T" "G" " " "C" "T" "A" "C" "T" "G" "C" "T" "C" "A" "A"
## [12295] "G" "A" "A" "G" "C" "T" "T" "A" "T" "G" "A" "G" "C" "A" "G" "G" "C" "T"
  [12313] "G" "T" "T" "G" "C" "T" "A" "A" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T"
## [12331] "G" "A" "A" "G" "T" "T" "G" "T" "T" "C" "T" "T" "A" "A" "A" "A" "A" "A" "G"
## [12349] "T" "T" "G" "A" "A" " "G" "A" "G" "T" "C" "T" "T" "T" "G" "A" "A" "A"
## [12367] "T" "G" "T" "G" "G" "C" "T" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T"
## [12385] "T" "G" "A" "C" "C" "G" "T" "G" "A" "T" "G" "C" "A" "G" "C" "C" "A" "T"
## [12403] "G" "C" "A" "A" "C" "G" "T" "A" "A" "G" "T" "T" "G" "G" "A" "A" "A" "A" "A"
## [12421] "G" "A" "T" "G" " " "G" "C" "T" "G" "A" "T" "C" "A" "A" "G" "C" "T" "A"
## [12439] "T" "G" "A" "C" "C" "C" "A" "A" "A" "T" "G" "T" "A" "T" "A" "A" "A" "C"
  [12457] "A" "G" "G" "C" "T" "A" "G" "A" "T" "C" "T" "G" "A" "G" "G" "A" "C" "A"
## [12475] "A" "G" "A" "G" "G" "G" "C" "A" "A" "A" "A" "G" "T" "T" "A" "C" "T" "A"
## [12493] "G" "T" "G" " " "C" "T" "A" "T" "G" "C" "A" "G" "A" "C" "A" "A" "T" "G"
## [12511] "C" "T" "T" "T" "T" "C" "A" "C" "T" "A" "T" "G" "C" "T" "T" "A" "G" "A"
## [12529] "A" "A" "G" "T" "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "G" "C" "A"
## [12547] "C" "T" "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C"
## [12565] "A" "A" " "T" "G" "C" "A" "A" "G" "A" "G" "A" "T" "G" "G" "T" "T" "G"
## [12583] "T" "G" "T" "T" "C" "C" "C" "T" "T" "G" "A" "A" "C" "A" "T" "A" "A" "T"
## [12601] "A" "C" "C" "T" "C" "T" "A" "C" "A" "A" "C" "A" "G" "C" "A" "G" "C"
  [12619] "C" "A" "A" "A" "C" "T" "A" "A" "T" "G" "G" "T" "T" "G" "T" "C" "A" "T"
## [12637] "A" " "C" "C" "A" "G" "A" "C" "T" "A" "T" "A" "A" "C" "A" "C" "A" "T"
## [12655] "A" "T" "A" "A" "A" "A" "A" "T" "A" "C" "G" "T" "G" "T" "G" "A" "T" "G"
## [12673] "G" "T" "A" "C" "A" "A" "C" "A" "T" "T" "T" "A" "C" "T" "T" "A" "T" "G"
## [12691] "C" "A" "T" "C" "A" "G" "C" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "A" "A"
## [12709] " " "T" "C" "C" "A" "A" "C" "A" "G" "G" "T" "T" "G" "T" "A" "G" "A" "T"
  [12727] "G" "C" "A" "G" "A" "T" "A" "G" "T" "A" "A" "A" "A" "A" "T" "T" "G" "T" "T"
## [12745] "C" "A" "A" "C" "T" "T" "A" "G" "T" "G" "A" "A" "A" "T" "T" "A" "G" "T"
## [12763] "A" "T" "G" "G" "A" "C" "A" "A" "T" "T" "C" "A" "C" "C" "T" "A" "A" " "
## [12781] "T" "T" "A" "G" "C" "A" "T" "G" "G" "C" "C" "T" "C" "T" "T" "A" "T"
## [12799] "T" "G" "T" "A" "A" "C" "A" "G" "C" "T" "T" "T" "A" "A" "G" "G" "G" "C"
## [12817] "C" "A" "A" "T" "T" "C" "T" "G" "C" "T" "G" "T" "C" "A" "A" "A" "A" "T" "T"
## [12835] "A" "C" "A" "G" "A" "A" "T" "A" "T" "G" "A" "G" "C" "T" "T" " "A"
## [12853] "G" "T" "C" "C" "T" "G" "T" "T" "G" "C" "A" "C" "T" "A" "C" "G" "A" "C"
## [12871] "A" "G" "A" "T" "G" "T" "C" "T" "T" "G" "T" "G" "C" "T" "G" "C" "C" "G"
## [12889] "G" "T" "A" "C" "T" "A" "C" "A" "C" "A" "A" "A" "C" "T" "G" "C" "T" "T"
## [12907] "G" "C" "A" "C" "T" "G" "A" "T" "G" "A" "C" "A" "A" "T" "G" " " "C" "G"
## [12925] "T" "T" "A" "G" "C" "T" "T" "A" "C" "T" "A" "C" "A" "A" "C" "A" "C" "A"
## [12943] "A" "C" "A" "A" "A" "G" "G" "G" "A" "G" "G" "T" "A" "G" "G" "T" "T" "T"
## [12961] "G" "T" "A" "C" "T" "T" "G" "C" "A" "C" "T" "G" "T" "T" "A" "T" "C" "C"
## [12979] "G" "A" "T" "T" "T" "A" "C" "A" "G" "G" "A" "T" "T" "T" "T" " "G" "A" "A"
   [12997] "A" "T" "G" "G" "G" "C" "T" "A" "G" "A" "T" "T" "C" "C" "C" "T" "A" "A"
  [13015] "G" "A" "G" "T" "G" "A" "T" "G" "G" "A" "A" "C" "T" "G" "G" "T" "A" "C"
  [13033] "T" "A" "T" "C" "T" "A" "T" "A" "C" "A" "G" "A" "A" "C" "T" "G" "G" "A"
## [13051] "A" "C" "C" "A" "C" "C" "T" "T" "G" "T" "A" "G" "G" " " "T" "T" "T" "G"
## [13069] "T" "T" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "T" "A" "A" "A" "A" "G"
## [13087] "G" "T" "C" "C" "T" "A" "A" "G" "T" "G" "A" "A" "G" "T" "A" "T" "T"
## [13105] "T" "A" "T" "A" "C" "T" "T" "T" "A" "T" "A" "A" "A" "A" "G" "G" "A" "T"
## [13123] "T" "A" "A" "A" "C" "A" "A" "C" "C" "T" "A" "A" " " " "A" "T" "A" "G" "A"
```

```
## [13141] "G" "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "T" "G" "G" "T" "A" "G" "T"
  [13159] "T" "T" "A" "G" "C" "T" "G" "C" "C" "A" "C" "A" "G" "T" "A" "C" "G" "T"
## [13177] "C" "T" "A" "C" "A" "A" "G" "C" "T" "G" "G" "T" "A" "A" "T" "G" "C" "A"
## [13195] "A" "C" "A" "G" "A" "A" "G" "T" "G" "C" "C" " " "T" "G" "C" "C" "A" "A"
## [13213] "T" "T" "C" "A" "A" "C" "T" "G" "T" "A" "T" "T" "A" "T" "C" "T" "T" "T"
## [13231] "C" "T" "G" "T" "G" "C" "T" "T" "T" "T" "G" "C" "T" "G" "T" "A" "G" "A"
## [13249] "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "G" "C" "T" "T" "A" "C" "A" "A"
## [13267] "A" "G" "A" "T" "T" "A" "T" "C" "T" "A" " " "G" "C" "T" "A" "G" "T" "G"
  [13285] "G" "G" "G" "G" "A" "C" "A" "A" "C" "C" "A" "A" "T" "C" "A" "A" "C" "T" "A"
## [13303] "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "G" "A" "T" "G" "T" "T" "G" "T"
  [13321] "G" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "T" "A" "C" "T" "G"
## [13339] "G" "T" "C" "A" "G" "G" "C" "A" "A" " " "T" "A" "A" "C" "A" "G" "T" "T"
## [13357] "A" "C" "A" "C" "C" "G" "G" "A" "A" "G" "C" "C" "A" "A" "T" "A" "T" "G"
## [13375] "G" "A" "T" "C" "A" "A" "G" "A" "A" "T" "C" "C" "T" "T" "T" "G" "G" "T"
## [13393] "G" "G" "T" "G" "C" "A" "T" "C" "G" "T" "G" "T" "T" "G" "T" "C" "T" "G"
## [13411] "T" "A" "C" "T" "G" "C" "C" "G" " " "T" "T" "G" "C" "C" "A" "C" "A" "T"
  [13429] "A" "G" "A" "T" "C" "A" "T" "C" "C" "A" "A" "A" "A" "A" "T" "C" "C" "T" "A" "A"
## [13447] "A" "G" "G" "A" "T" "T" "T" "T" "G" "T" "G" "A" "C" "T" "T" "A" "A" "A"
## [13465] "A" "G" "G" "T" "A" "A" "G" "T" "A" "T" "G" "T" "A" "C" "A" "A" "A" "A" "T"
## [13483] "A" "C" "C" "T" "A" "C" "A" " " "A" "C" "T" "T" "G" "T" "G" "C" "T" "A"
## [13519] "C" "A" "C" "T" "T" "A" "A" "A" "A" "A" "C" "A" "C" "A" "G" "T" "C" "T"
## [13537] "G" "T" "A" "C" "C" "G" "T" "C" "T" "G" "C" "G" "G" "T" "A" "T" "G" "T"
## [13555] "G" "G" "A" "A" "A" "G" " " "G" "T" "T" "A" "T" "G" "G" "C" "T" "G" "T"
## [13573] "A" "G" "T" "T" "G" "T" "G" "A" "T" "C" "A" "A" "C" "T" "C" "C" "G" "C"
## [13591] "G" "A" "A" "C" "C" "C" "A" "T" "G" "C" "T" "T" "C" "A" "G" "T" "C" "A"
## [13609] "G" "C" "T" "G" "A" "T" "G" "C" "A" "A" "T" "C" "G" "T" "T" "T"
## [13627] "T" "T" "A" "A" "A" " " "C" "G" "G" "G" "T" "T" "T" "G" "C" "G" "G" "T"
## [13645] "G" "T" "A" "A" "G" "T" "G" "C" "A" "G" "C" "C" "C" "G" "T" "C" "T" "T"
## [13663] "A" "C" "A" "C" "C" "G" "T" "G" "C" "G" "G" "C" "A" "C" "A" "G" "G" "C"
## [13681] "A" "C" "T" "A" "G" "T" "A" "C" "T" "G" "A" "T" "G" "T" "C" "G" "T" "A"
  [13699] "T" "A" "C" "A" " "G" "G" "G" "C" "T" "T" "T" "T" "G" "A" "C" "A" "T"
## [13717] "C" "T" "A" "C" "A" "A" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "G" "C"
## [13735] "T" "G" "G" "T" "T" "T" "T" "G" "C" "T" "A" "A" "A" "T" "T" "C" "C" "T"
## [13753] "A" "A" "A" "A" "A" "C" "T" "A" "A" "T" "T" "G" "T" "T" "G" "T" "C" "G"
## [13771] "C" "T" "T" " " "C" "C" "A" "A" "G" "A" "A" "A" "A" "G" "G" "A" "C" "G"
## [13789] "A" "A" "G" "A" "T" "G" "A" "C" "A" "A" "T" "T" "T" "A" "A" "T" "T" "G"
## [13807] "A" "T" "T" "C" "T" "T" "A" "C" "T" "T" "T" "G" "T" "A" "G" "T" "A"
## [13825] "A" "G" "A" "G" "A" "C" "A" "C" "A" "C" "T" "T" "T" "C" "T" "C" "T" "A"
## [13843] "A" "C" " "T" "A" "C" "C" "A" "A" "C" "A" "T" "G" "A" "A" "G" "A" "A" "A"
## [13879] "A" "A" "G" "G" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "T" "G" "T" "T"
## [13897] "G" "C" "T" "A" "A" "A" "C" "A" "T" "G" "A" "C" "T" "T" "C" "T" "T" "T"
## [13915] "A" " "A" "G" "T" "T" "A" "G" "A" "A" "T" "A" "G" "A" "C" "G" "G"
## [13933] "T" "G" "A" "C" "A" "T" "G" "G" "T" "A" "C" "C" "A" "C" "A" "T" "A" "T"
## [13951] "A" "T" "C" "A" "C" "G" "T" "C" "A" "A" "C" "G" "T" "C" "T" "T" "A" "C"
  [13969] "T" "A" "A" "A" "T" "A" "C" "A" "C" "A" "A" "T" "G" "G" "C" "A" "G" "A"
  [13987] " " "C" "C" "T" "C" "G" "T" "C" "T" "A" "T" "G" "C" "T" "T" "A" "A"
  [14005] "G" "G" "C" "A" "T" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "G" "G" "T" "A"
## [14023] "A" "T" "T" "G" "T" "G" "A" "C" "A" "C" "A" "T" "T" "A" "A" "A" "A" "A" "G"
## [14041] "A" "A" "A" "T" "A" "C" "T" "T" "G" "T" "C" "A" "C" "A" "T" "A" "C" " "
## [14059] "A" "A" "T" "T" "G" "T" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T"
## [14095] "T" "G" "G" "T" "A" "T" "G" "A" "T" "T" "T" "T" "G" "T" "A" "G" "A" "A"
```

```
## [14113] "A" "A" "C" "C" "C" "A" "G" "A" "T" "A" "T" "A" "T" "A" "T" "A" "C" " " "G"
  [14131] "C" "G" "T" "A" "T" "A" "C" "G" "C" "C" "A" "A" "C" "T" "T" "A" "G" "G"
## [14149] "T" "G" "A" "A" "C" "G" "T" "G" "T" "A" "C" "G" "C" "C" "A" "A" "G" "C"
## [14167] "T" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "A" "G" "T" "A" "C" "A"
## [14185] "A" "T" "T" "C" "T" "G" "T" "G" "A" "T" "G" "C" "C" "A" "T" " "G" "C"
## [14203] "G" "A" "A" "A" "T" "G" "C" "T" "G" "G" "T" "A" "T" "T" "G" "T" "T" "G"
## [14221] "G" "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "T" "A" "G" "A" "T" "A"
## [14239] "A" "T" "C" "A" "A" "G" "A" "T" "C" "T" "C" "A" "A" "T" "G" "G" "T" "A"
## [14257] "A" "C" "T" "G" "G" "T" "A" "T" "G" "A" "T" "T" "T" "C" " " "G" "G" "T"
## [14275] "G" "A" "T" "T" "T" "C" "A" "T" "A" "C" "A" "A" "A" "C" "C" "A" "C" "G"
## [14293] "C" "C" "A" "G" "G" "T" "A" "G" "T" "G" "G" "A" "G" "T" "T" "C" "C" "T"
## [14311] "G" "T" "T" "G" "T" "A" "G" "A" "T" "T" "C" "T" "T" "A" "T" "T" "A" "T"
## [14329] "T" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "G" "C" " " "C" "T" "A" "T"
## [14347] "A" "T" "T" "A" "A" "C" "C" "T" "T" "G" "A" "C" "C" "A" "G" "G" "G" "C"
## [14365] "T" "T" "T" "A" "A" "C" "T" "G" "C" "A" "G" "A" "G" "T" "C" "A" "C" "A" "C" "A"
## [14383] "T" "G" "T" "T" "G" "A" "C" "A" "C" "T" "G" "A" "C" "T" "T" "A" "A" "C"
## [14401] "A" "A" "A" "G" "C" "C" "T" "T" "A" "C" "A" "T" " " "T" "A" "A" "G" "T"
## [14419] "G" "G" "G" "A" "T" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "A" "T" "G"
## [14455] "T" "A" "A" "A" "A" "C" "T" "C" "T" "T" "T" "G" "A" "C" "C" "G" "T" "T"
## [14473] "A" "T" "T" "T" "T" "A" "A" "A" "A" "T" "A" "T" " " "T" "G" "G" "G" "A" "T"
## [14509] "T" "G" "T" "G" "T" "T" "A" "A" "C" "T" "G" "T" "T" "T" "G" "G" "A" "T"
## [14527] "G" "A" "C" "A" "G" "A" "T" "G" "C" "A" "T" "T" "C" "T" "G" "C" "A" "T"
## [14545] "T" "G" "T" "G" "C" "A" "A" "A" "C" "T" " "T" "T" "A" "A" "A" "T" "G" "T"
## [14563] "T" "T" "A" "T" "A" "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "T" "T"
## [14581] "C" "C" "C" "A" "C" "T" "T" "A" "C" "A" "A" "G" "T" "T" "T" "T" "G" "G"
## [14599] "A" "C" "C" "A" "C" "T" "A" "G" "T" "G" "A" "G" "A" "A" "A" "A" "A" "A" "T"
## [14617] "A" "T" "T" "T" "G" "T" "T" "G" "A" " " "T" "G" "G" "T" "G" "T" "T" "C"
## [14635] "C" "A" "T" "T" "T" "G" "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "G"
## [14653] "G" "A" "T" "A" "C" "C" "A" "C" "T" "T" "C" "A" "G" "A" "G" "A" "G" "A" "G" "C"
  [14671] "T" "A" "G" "G" "T" "G" "T" "G" "T" "A" "C" "A" "T" "A" "A" "T" "C"
## [14689] "A" "G" "G" "A" "T" "G" "T" "A" " " "A" "A" "C" "T" "T" "A" "C" "A" "T"
## [14725] "A" "A" "G" "G" "A" "A" "T" "T" "A" "C" "T" "T" "G" "T" "G" "T" "A" "T"
## [14743] "G" "C" "T" "G" "C" "T" "G" "A" "C" "C" "C" "T" "G" "C" "T" "A" "T" "G"
## [14761] "C" "A" "C" "G" "C" "T" "G" " "C" "T" "T" "C" "T" "G" "G" "T" "A" "A"
## [14779] "T" "C" "T" "A" "T" "T" "A" "C" "T" "A" "G" "A" "T" "A" "A" "A" "C" "G"
## [14797] "C" "A" "C" "T" "A" "C" "G" "T" "G" "C" "T" "T" "T" "T" "T" "C" "A" "G" "T"
## [14815] "A" "G" "C" "T" "G" "C" "A" "C" "T" "T" "A" "C" "T" "A" "A" "A" "C" "A" "A"
## [14833] "T" "G" "T" "T" "G" "C" " " "T" "T" "T" "T" "C" "A" "A" "A" "C" "T" "G"
## [14851] "T" "C" "A" "A" "A" "C" "C" "C" "G" "G" "T" "A" "A" "T" "T" "T" "T" "A"
## [14869] "A" "C" "A" "A" "A" "G" "A" "C" "T" "T" "C" "T" "A" "T" "G" "A" "C" "T"
## [14887] "T" "T" "G" "C" "T" "G" "T" "G" "T" "C" "T" "A" "A" "G" "G" "G" "T" "T"
## [14923] "T" "C" "T" "G" "T" "T" "G" "A" "A" "T" "T" "A" "A" "A" "A" "A" "C" "A" "C"
  [14941] "T" "T" "C" "T" "T" "C" "T" "T" "T" "G" "C" "T" "C" "A" "G" "G" "A" "T"
## [14959] "G" "G" "T" "A" "A" "T" "G" "C" "T" "G" "C" "T" "A" "T" "C" "A" "G" "C"
  [14977] "G" "A" "T" "T" " " "A" "T" "G" "A" "C" "T" "A" "C" "T" "A" "T" "A" "T" "C" "G"
## [14995] "T" "T" "A" "T" "A" "A" "T" "C" "T" "A" "C" "C" "A" "A" "C" "A" "A" "T"
## [15013] "G" "T" "G" "T" "G" "A" "T" "A" "T" "C" "A" "G" "A" "C" "A" "C" "T"
## [15031] "A" "C" "T" "A" "T" "T" "G" "T" "A" "G" "T" "T" "G" "A" "A" "G" "T"
## [15049] "T" "G" "T" " " "T" "G" "A" "T" "A" "G" "T" "A" "C" "T" "T" "T" "G"
## [15067] "A" "T" "T" "G" "T" "T" "A" "C" "G" "A" "T" "G" "G" "T" "G" "G" "C" "T"
```

```
## [15085] "G" "T" "A" "T" "T" "A" "A" "T" "G" "C" "T" "A" "A" "C" "C" "A" "A" "G"
  [15103] "T" "C" "A" "T" "C" "G" "T" "C" "A" "A" "C" "A" "A" "C" "C" "T" "A" "G"
  [15121] "A" "C" " "A" "A" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "T" "T" "T"
## [15157] "A" "A" "G" "G" "C" "T" "A" "G" "A" "C" "T" "T" "T" "A" "T" "T" "A" "T"
## [15175] "G" "A" "T" "T" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "T" "G" "A" "G"
## [15193] "G" " " "A" "T" "C" "A" "A" "G" "A" "T" "G" "C" "A" "C" "T" "T" "T" "T"
## [15211] "C" "G" "C" "A" "T" "A" "T" "A" "C" "A" "A" "A" "A" "C" "G" "T" "A" "A"
  [15229] "T" "G" "T" "C" "A" "T" "C" "C" "C" "T" "A" "C" "T" "A" "T" "A" "A" "C"
  [15247] "T" "C" "A" "A" "A" "T" "G" "A" "A" "T" "C" "T" "T" "A" "A" "A" "G" "T" "A"
  [15265] " " "T" "G" "C" "C" "A" "T" "T" "A" "G" "T" "G" "C" "A" "A" "A" "A" "G" "A"
## [15283] "A" "T" "A" "G" "A" "G" "C" "T" "C" "G" "C" "A" "C" "C" "G" "T" "A" "G"
  [15301] "C" "T" "G" "G" "T" "G" "T" "C" "T" "C" "T" "A" "T" "C" "T" "G" "T" "A"
## [15319] "G" "T" "A" "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "T" "A" "G" "A" "
## [15355] "T" "T" "G" "A" "A" "A" "T" "C" "A" "A" "T" "A" "G" "C" "C" "G" "C" "C"
  [15373] "A" "C" "T" "A" "G" "A" "G" "A" "G" "C" "T" "A" "C" "T" "A" "C" "T" "A"
  ## [15427] "C" "A" "A" "C" "A" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "T" "G" "T"
## [15445] "T" "T" "A" "T" "A" "G" "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "A" "A" "A"
## [15463] "C" "C" "C" "T" "C" "A" "C" "C" "T" "T" "A" "T" "G" "G" "G" " " "T" "T"
## [15481] "G" "G" "G" "A" "T" "T" "A" "T" "C" "C" "T" "A" "A" "A" "A" "T" "G" "T" "G"
## [15499] "A" "T" "A" "G" "A" "G" "C" "C" "A" "T" "G" "C" "C" "T" "A" "A" "C" "A"
## [15517] "T" "G" "C" "T" "T" "A" "G" "A" "A" "T" "T" "A" "T" "G" "G" "C" "C" "T"
  ## [15553] "A" "A" "A" "C" "A" "T" "A" "C" "A" "A" "C" "G" "T" "G" "T" "T" "G" "T"
  [15571] "A" "G" "C" "T" "T" "G" "T" "C" "A" "C" "A" "C" "C" "G" "T" "T" "T" "C"
## [15589] "T" "A" "T" "A" "G" "A" "T" "T" "A" "G" "C" "T" "A" "A" "T" "G" "A" "G"
## [15607] "T" "G" "T" "G" "C" "T" "C" "A" "A" "G" "T" "A" "T" " " "T" "G" "A" "G"
## [15625] "T" "G" "A" "A" "A" "T" "G" "G" "T" "C" "A" "T" "G" "T" "G" "T" "G" "G"
  [15643] "C" "A" "G" "T" "T" "C" "A" "C" "T" "A" "T" "A" "T" "G" "T" "T" "A" "A"
  [15661] "A" "C" "C" "A" "G" "G" "T" "G" "G" "A" "A" "C" "C" "T" "C" "A" "T" "C"
  [15679] "A" "G" "G" "A" "G" "A" "T" "G" "C" "C" "A" "C" " " "A" "A" "C" "T" "G"
## [15697] "C" "T" "T" "A" "T" "G" "C" "T" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T"
## [15715] "T" "T" "A" "A" "C" "A" "T" "T" "G" "T" "C" "A" "A" "G" "C" "T" "G"
## [15733] "T" "C" "A" "C" "G" "G" "C" "C" "A" "A" "T" "G" "T" "T" "A" "A" "T" "G"
## [15751] "C" "A" "C" "T" "T" "T" "T" "A" "T" "C" "T" " "A" "C" "T" "G" "A" "T"
## [15769] "G" "G" "T" "A" "A" "C" "A" "A" "A" "A" "T" "T" "G" "C" "C" "G" "A" "T"
## [15787] "A" "A" "G" "T" "A" "T" "G" "T" "C" "C" "G" "C" "A" "A" "T" "T" "T" "A"
## [15805] "C" "A" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T" "T" "A" "T" "G" "A" "G"
## [15841] "A" "G" "A" "T" "G" "T" "T" "G" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T"
## [15859] "T" "G" "T" "G" "A" "A" "T" "G" "A" "G" "T" "T" "T" "T" "A" "C" "G" "C"
## [15877] "A" "T" "A" "T" "T" "T" "G" "C" "G" "T" "A" "A" "A" "C" "A" "T" "T" "T" "T"
## [15895] "C" "T" "C" "A" "A" "T" "G" "A" "T" " "G" "A" "T" "A" "C" "T" "C" "T"
  [15913] "C" "T" "G" "A" "C" "G" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "G" "T"
  [15931] "G" "T" "T" "T" "C" "A" "A" "T" "A" "G" "C" "A" "C" "T" "T" "A" "T" "G"
  [15949] "C" "A" "T" "C" "T" "C" "A" "A" "G" "G" "T" "C" "T" "A" "G" "T" "G" "G"
## [15967] "C" "T" "A" "G" "C" "A" "T" "A" " " "A" "G" "A" "A" "C" "T" "T" "T"
## [15985] "A" "A" "G" "T" "C" "A" "G" "T" "T" "C" "T" "T" "A" "T" "A" "T" "A" "T"
## [16003] "C" "A" "A" "A" "A" "C" "A" "A" "T" "G" "T" "T" "T" "T" "T" "A" "T" "G"
## [16021] "T" "C" "T" "G" "A" "A" "G" "C" "A" "A" "A" "A" "T" "G" "T" "T" "G" "G"
## [16039] "A" "C" "T" "G" "A" "G" "A" " " "C" "T" "G" "A" "C" "C" "T" "T" "A" "C"
```

```
## [16057] "T" "A" "A" "A" "G" "G" "A" "C" "C" "T" "C" "A" "T" "G" "A" "A" "T" "T"
  [16075] "T" "T" "G" "C" "T" "C" "T" "C" "A" "A" "C" "A" "T" "A" "C" "A" "T"
  [16093] "G" "C" "T" "A" "G" "T" "T" "A" "A" "A" "C" "A" "G" "G" "G" "T" "G" "A"
## [16111] "T" "G" "A" "T" "T" "A" " " "T" "G" "T" "G" "T" "A" "C" "C" "T" "T" "C"
  [16129] "C" "T" "T" "A" "C" "C" "C" "A" "G" "A" "T" "C" "C" "A" "T" "C" "A" "A" "A"
  [16147] "G" "A" "A" "T" "C" "C" "T" "A" "G" "G" "G" "G" "C" "C" "C" "G" "G" "C" "T"
##
## [16165] "G" "T" "T" "T" "T" "G" "T" "A" "G" "A" "T" "G" "A" "T" "A" "T" "C" "G"
## [16183] "T" "A" "A" "A" "A" " " "A" "C" "A" "G" "A" "T" "G" "G" "T" "A" "C" "A"
  [16201] "C" "T" "T" "A" "T" "G" "A" "T" "G" "A" "A" "C" "G" "G" "G" "T" "T" "C"
  [16219] "G" "T" "G" "T" "C" "T" "T" "T" "A" "G" "C" "T" "A" "T" "A" "G" "A" "T"
  [16237] "G" "C" "T" "T" "A" "C" "C" "C" "A" "C" "T" "T" "A" "C" "T" "A" "A" "A" "A"
## [16255] "C" "A" "T" "C" " "C" "T" "A" "A" "T" "C" "A" "G" "G" "A" "G" "T" "A"
  ## [16291] "G" "T" "A" "C" "T" "T" "A" "C" "A" "A" "T" "A" "C" "A" "T" "A" "G"
## [16327] "A" "A" "C" " "A" "G" "G" "A" "C" "A" "C" "A" "T" "G" "T" "T" "A" "G"
  [16345] "A" "C" "A" "T" "G" "T" "A" "T" "C" "T" "G" "T" "G" "T" "A" "T" "G" "C"
  [16363] "T" "T" "A" "C" "T" "A" "A" "T" "G" "A" "T" "A" "A" "C" "A" "C" "T" "T"
## [16381] "C" "A" "A" "G" "G" "T" "A" "T" "T" "G" "G" "G" "A" "A" "C" "C" "T" "G"
## [16399] "A" "G" " "T" "T" "T" "T" "A" "T" "G" "A" "G" "G" "C" "T" "A" "T" "G"
## [16417] "T" "A" "C" "A" "C" "A" "C" "G" "G" "G" "A" "T" "A" "C" "A" "G" "T" "C"
## [16435] "T" "T" "A" "C" "A" "G" "G" "C" "T" "G" "T" "T" "G" "G" "G" "G" "C" "T"
## [16453] "T" "G" "T" "G" "T" "T" "C" "T" "T" "T" "G" "C" "A" "A" "T" "T" "C" "A"
## [16471] "C" " "A" "G" "A" "C" "T" "T" "C" "A" "T" "T" "A" "A" "G" "A" "T" "G"
## [16489] "T" "G" "G" "T" "G" "C" "T" "T" "G" "C" "A" "T" "A" "C" "G" "T" "A" "G"
  [16507] "A" "C" "C" "A" "T" "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "T" "A" "A"
## [16525] "A" "T" "G" "C" "T" "G" "T" "A" "C" "G" "A" "C" "C" "A" "T" "G" "T"
  [16543] " " "C" "A" "T" "A" "T" "C" "A" "A" "C" "A" "T" "C" "A" "C" "A" "T" "A"
## [16561] "A" "A" "T" "T" "A" "G" "T" "C" "T" "T" "G" "T" "C" "T" "G" "T" "G" "T" "G" "T" "T" "A"
## [16579] "A" "T" "C" "C" "G" "T" "A" "T" "G" "T" "T" "T" "G" "C" "A" "A" "T" "G"
## [16597] "C" "T" "C" "C" "A" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "T" "C" " "
  [16615] "A" "C" "A" "G" "A" "T" "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T"
  [16633] "T" "A" "C" "T" "T" "A" "G" "G" "A" "G" "G" "T" "A" "T" "G" "A" "G" "C"
  [16651] "T" "A" "T" "T" "A" "T" "T" "G" "T" "A" "A" "A" "A" "T" "C" "A" "T"
## [16669] "A" "A" "A" "C" "T" "A" "C" "C" "C" "A" "T" "T" "A" "G" "T" "T" " "T" "T"
## [16687] "T" "C" "C" "A" "T" "T" "G" "T" "G" "T" "G" "T" "A" "A" "T" "G" "G"
## [16741] "T" "A" "G" "C" "G" "A" "T" "A" "A" "T" "G" "T" "T" "A" "C" " " "T" "G"
## [16759] "A" "C" "T" "T" "T" "A" "A" "T" "G" "C" "A" "A" "T" "T" "G" "C" "A" "A"
## [16777] "C" "A" "T" "G" "T" "G" "A" "C" "T" "G" "A" "C" "A" "A" "A" "A" "T" "G"
## [16795] "C" "T" "G" "G" "T" "G" "A" "T" "T" "A" "C" "A" "T" "T" "T" "T" "A" "G"
## [16813] "C" "T" "A" "A" "C" "A" "C" "C" "T" "G" "T" "A" "C" "T" " " "G" "A" "A"
## [16831] "A" "G" "A" "C" "T" "C" "A" "A" "G" "C" "T" "T" "T" "T" "T" "G" "C" "A"
## [16849] "G" "C" "A" "G" "A" "A" "A" "C" "G" "C" "T" "C" "A" "A" "A" "G" "C" "T"
## [16867] "A" "C" "T" "G" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "T" "A" "A" "A"
  [16885] "C" "T" "G" "T" "C" "T" "T" "A" "T" "G" "G" "T" "A" " " "T" "T" "G" "C"
  [16903] "T" "A" "C" "T" "G" "T" "A" "C" "G" "T" "G" "A" "A" "G" "T" "G" "C" "T"
  [16921] "G" "T" "C" "T" "G" "A" "C" "A" "G" "A" "G" "A" "A" "T" "T" "A" "C" "A"
## [16939] "T" "C" "T" "T" "T" "C" "A" "T" "G" "G" "G" "A" "A" "G" "T" "T" "G" "G"
## [16957] "T" "A" "A" "A" "C" "C" "T" "A" "G" "A" "C" "C" " " " "A" "C" "C" "A" "C"
## [16975] "T" "T" "A" "A" "C" "C" "G" "A" "A" "A" "T" "T" "A" "T" "G" "T" "C" "T"
## [16993] "T" "T" "A" "C" "T" "G" "G" "T" "T" "A" "T" "C" "G" "T" "G" "T" "A" "A"
```

```
## [17029] "A" "A" "A" "T" "A" "G" "G" "A" "G" "A" "G" " " "T" "A" "C" "A" "C" "C"
  [17047] "T" "T" "T" "G" "A" "A" "A" "A" "A" "G" "G" "T" "G" "A" "C" "T" "A" "T"
## [17065] "G" "G" "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "T" "T" "T" "A" "C"
## [17083] "C" "G" "A" "G" "G" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "T" "A" "C"
## [17101] "A" "A" "A" "T" "T" "A" "A" "A" "T" "G" " " "T" "T" "G" "G" "T" "G" "A"
## [17119] "T" "T" "A" "T" "T" "T" "T" "G" "T" "G" "C" "T" "G" "A" "C" "A" "T" "C"
## [17137] "A" "C" "A" "T" "A" "C" "A" "G" "T" "A" "A" "T" "G" "C" "C" "A" "T" "T"
## [17155] "A" "A" "G" "T" "G" "C" "A" "C" "C" "T" "A" "C" "A" "C" "T" "A" "G" "T"
  [17173] "G" "C" "C" "A" "C" "A" "A" "G" "A" " "G" "C" "A" "C" "A" "T" "G"
## [17191] "T" "T" "A" "G" "A" "A" "T" "T" "A" "C" "T" "G" "G" "C" "T" "T" "A" "T"
  [17209] "A" "C" "C" "C" "A" "A" "C" "A" "C" "T" "C" "A" "A" "A" "T" "A" "T" "C" "T"
## [17227] "C" "A" "G" "A" "T" "G" "A" "G" "T" "T" "T" "T" "C" "T" "A" "G" "C" "A"
## [17245] "A" "T" "G" "T" "T" "G" "C" "A" " " "A" "A" "T" "T" "A" "T" "C" "A" "A"
## [17263] "A" "A" "G" "G" "T" "T" "G" "G" "T" "A" "T" "G" "C" "A" "A" "A" "A" "G"
## [17281] "T" "A" "T" "T" "C" "T" "A" "C" "A" "C" "T" "C" "C" "A" "G" "G" "G" "A"
## [17299] "C" "C" "A" "C" "C" "T" "G" "G" "T" "A" "C" "T" "G" "G" "T" "A" "A" "G"
## [17317] "A" "G" "T" "C" "A" "T" "T" " "T" "T" "G" "C" "T" "A" "T" "T" "G" "G"
## [17335] "C" "C" "T" "A" "G" "C" "T" "C" "T" "C" "T" "A" "C" "T" "A" "C" "C" "C"
## [17353] "T" "T" "C" "T" "G" "C" "T" "C" "G" "C" "A" "T" "A" "G" "T" "G" "T" "A"
## [17371] "T" "A" "C" "A" "G" "C" "T" "T" "G" "C" "T" "C" "T" "C" "A" "T" "G" "C"
## [17389] "C" "G" "C" "T" "G" "T" " " "T" "G" "A" "T" "G" "C" "A" "C" "T" "A" "T"
## [17407] "G" "T" "G" "A" "G" "A" "G" "G" "C" "A" "T" "T" "A" "A" "A" "A" "A" "T"
## [17425] "A" "T" "T" "T" "G" "C" "C" "T" "A" "T" "A" "G" "A" "T" "A" "A" "A" "A" "T"
## [17443] "G" "T" "A" "G" "T" "A" "G" "A" "A" "T" "T" "A" "T" "A" "C" "C" "T" "G"
## [17461] "C" "A" "C" "G" "T" " "G" "C" "T" "C" "G" "T" "G" "T" "A" "G" "A" "G"
## [17479] "T" "G" "T" "T" "T" "T" "G" "A" "T" "A" "A" "A" "T" "T" "C" "A" "A" "A" "A"
## [17497] "G" "T" "G" "A" "A" "T" "T" "C" "A" "A" "C" "A" "T" "T" "T" "A" "G" "A" "A"
## [17515] "C" "A" "G" "T" "A" "T" "G" "T" "C" "T" "T" "T" "T" "G" "T" "A" "C" "T"
## [17533] "G" "T" "A" "A" " " "A" "T" "G" "C" "A" "T" "T" "G" "C" "C" "T" "G" "A"
## [17551] "G" "A" "C" "G" "A" "C" "A" "G" "C" "A" "G" "A" "T" "A" "T" "A" "T" "A" "G" "T"
## [17569] "T" "G" "T" "C" "T" "T" "T" "G" "A" "T" "G" "A" "A" "A" "T" "T" "T" "C"
## [17587] "A" "A" "T" "G" "G" "C" "C" "A" "A" "A" "A" "T" "T" "A" "T" "G" "A"
## [17605] "T" "T" "T" " "G" "A" "G" "T" "G" "T" "T" "G" "T" "C" "A" "A" "T" "G"
## [17623] "C" "C" "A" "G" "A" "T" "T" "A" "C" "G" "T" "G" "C" "T" "A" "A" "G" "C"
## [17641] "A" "C" "T" "A" "T" "G" "T" "G" "T" "A" "C" "A" "T" "T" "G" "G" "C" "G"
## [17659] "A" "C" "C" "C" "T" "G" "C" "T" "C" "A" "A" "T" "T" "A" "C" "C" "T" "G"
## [17677] "C" "A" " " "C" "C" "A" "C" "G" "C" "A" "C" "A" "T" "T" "G" "C" "T" "A"
## [17713] "C" "C" "A" "G" "A" "A" "T" "A" "T" "T" "T" "C" "A" "A" "T" "T" "C" "A"
## [17731] "G" "T" "G" "T" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A"
## [17749] "A" " "C" "T" "A" "T" "A" "G" "G" "T" "C" "C" "A" "G" "A" "C" "A" "T"
## [17767] "G" "T" "T" "C" "C" "T" "C" "G" "A" "A" "C" "T" "T" "G" "T" "C" "G"
## [17785] "G" "C" "G" "T" "T" "G" "T" "C" "C" "T" "G" "C" "T" "G" "A" "A" "A" "A" "T"
## [17803] "T" "G" "T" "T" "G" "A" "C" "A" "C" "T" "G" "T" "G" "A" "G" "T" "G" "C"
## [17821] " " "T" "T" "T" "G" "G" "T" "T" "T" "A" "T" "G" "A" "T" "A" "A" "T" "A"
## [17839] "A" "G" "C" "T" "T" "A" "A" "A" "G" "C" "A" "C" "A" "T" "A" "A" "A" "G"
  [17857] "A" "C" "A" "A" "A" "T" "C" "A" "G" "C" "T" "C" "A" "A" "T" "G" "C" "T"
## [17875] "T" "T" "A" "A" "A" "A" "T" "G" "T" "T" "T" "T" "A" "A" "A" "A" "G" " "
## [17893] "G" "G" "T" "G" "T" "A" "T" "C" "A" "C" "G" "C" "A" "T" "G" "A" "T"
## [17911] "G" "T" "T" "T" "C" "A" "T" "C" "T" "G" "C" "A" "A" "T" "T" "A" "A" "C"
## [17929] "A" "G" "G" "C" "C" "A" "C" "A" "A" "A" "A" "A" "G" "G" "C" "G" "T" "G"
## [17947] "G" "T" "A" "A" "G" "A" "G" "A" "T" "T" "C" "C" "T" "T" "A" " " "C"
## [17965] "A" "C" "G" "T" "A" "A" "C" "C" "C" "T" "G" "C" "T" "T" "G" "G" "A" "G"
## [17983] "A" "A" "A" "A" "G" "C" "T" "G" "T" "C" "T" "T" "T" "A" "T" "T" "T" "T" "C"
```

```
## [18001] "A" "C" "C" "T" "T" "A" "T" "A" "T" "T" "C" "A" "C" "A" "G" "A" "A" "A"
   [18019] "T" "G" "C" "T" "G" "T" "A" "G" "C" "C" "T" "C" "A" "A" "A" "A" " " "G" "A"
  [18037] "T" "T" "T" "T" "G" "G" "G" "A" "C" "T" "A" "C" "C" "A" "A" "C" "T" "C"
## [18055] "A" "A" "A" "C" "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "T" "C" "A" "C"
## [18073] "A" "G" "G" "G" "C" "T" "C" "A" "G" "A" "A" "T" "A" "T" "G" "A" "C" "T"
## [18091] "A" "T" "G" "T" "C" "A" "T" "A" "T" "T" "C" "A" "C" "T" " " "C" "A" "A"
## [18109] "A" "C" "C" "A" "C" "T" "G" "A" "A" "A" "A" "G" "G" "C" "T" "C" "A" "C"
## [18127] "T" "C" "T" "T" "G" "T" "A" "A" "T" "G" "T" "A" "A" "A" "A" "C" "A" "G" "A"
   [18145] "T" "T" "T" "A" "A" "T" "G" "T" "T" "G" "C" "T" "A" "T" "A" "C" "C"
  [18163] "A" "G" "A" "G" "C" "A" "A" "A" "A" "G" "T" "A" "G" " " "G" "C" "A" "T"
  [18181] "A" "C" "T" "T" "T" "G" "C" "A" "T" "A" "A" "T" "G" "T" "C" "T" "G" "A"
## [18199] "T" "A" "G" "A" "G" "A" "C" "C" "T" "T" "T" "A" "T" "G" "A" "C" "A" "A"
  [18217] "G" "T" "T" "G" "C" "A" "A" "T" "T" "T" "A" "C" "A" "A" "G" "T" "C" "T"
## [18235] "T" "G" "A" "A" "A" "T" "T" "C" "C" "A" "C" "G" " " "T" "A" "G" "G" "A"
## [18253] "A" "T" "G" "T" "G" "G" "C" "A" "A" "C" "T" "T" "T" "A" "C" "A" "A" "G"
## [18271] "C" "T" "G" "A" "A" "A" "A" "T" "G" "T" "A" "A" "C" "A" "G" "G" "A" "C"
  [18289] "T" "C" "T" "T" "T" "A" "A" "A" "G" "A" "T" "T" "G" "T" "A" "G" "T" "A"
## [18307] "A" "G" "G" "T" "A" "A" "T" "C" "A" "C" "T" " " "G" "G" "G" "T" "T" "A"
## [18325] "C" "A" "T" "C" "C" "T" "A" "C" "A" "C" "A" "G" "G" "C" "A" "C" "C" "T"
## [18343] "A" "C" "A" "C" "A" "C" "C" "T" "C" "A" "G" "T" "G" "T" "T" "G" "A" "C"
## [18361] "A" "C" "T" "A" "A" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "G" "A" "A"
## [18379] "G" "G" "T" "T" "T" "A" "T" "G" "T" "G" " " "T" "T" "G" "A" "C" "A" "T"
## [18397] "A" "C" "C" "T" "G" "G" "C" "A" "T" "A" "C" "C" "T" "A" "A" "G" "G" "A"
## [18415] "C" "A" "T" "G" "A" "C" "C" "T" "A" "T" "A" "G" "A" "A" "G" "A" "C" "T"
## [18433] "C" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A" "T" "G" "G" "G" "T" "T" "T"
## [18451] "T" "A" "A" "A" "A" "T" "G" "A" "A" " " " "T" "T" "A" "T" "C" "A" "A" "G"
## [18469] "T" "T" "A" "A" "T" "G" "G" "T" "T" "A" "C" "C" "C" "T" "A" "A" "C" "A"
## [18487] "T" "G" "T" "T" "T" "A" "T" "C" "A" "C" "C" "C" "G" "C" "G" "A" "A" "G"
## [18505] "A" "A" "G" "C" "T" "A" "T" "A" "G" "A" "C" "A" "T" "G" "T" "A" "C"
## [18523] "G" "T" "G" "C" "A" "T" "G" "G" " " "A" "T" "T" "G" "G" "C" "T" "T" "C"
## [18541] "G" "A" "T" "G" "T" "C" "G" "A" "G" "G" "G" "G" "T" "G" "T" "C" "A" "T"
          "G" "C" "T" "A" "C" "T" "A" "G" "A" "G" "A" "A" "G" "C" "T" "G" "T" "T"
  [18559]
## [18577] "G" "G" "T" "A" "C" "C" "A" "A" "T" "T" "A" "C" "C" "T" "T" "T" "A"
## [18595] "C" "A" "G" "C" "T" "A" "G" " " "G" "T" "T" "T" "T" "T" "T" "C" "T" "A" "C"
## [18613] "A" "G" "G" "T" "G" "T" "T" "A" "A" "C" "C" "T" "A" "G" "T" "T" "G" "C"
## [18631] "T" "G" "T" "A" "C" "C" "T" "A" "C" "A" "G" "G" "T" "T" "A" "T" "G" "T"
## [18649] "T" "G" "A" "T" "A" "C" "A" "C" "C" "T" "A" "A" "T" "A" "A" "T" "A" "T" "A" "C"
## [18667] "A" "G" "A" "T" "T" "T" " "T" "T" "C" "C" "A" "G" "A" "G" "T" "T" "A"
## [18685] "G" "T" "G" "C" "T" "A" "A" "A" "C" "C" "A" "C" "C" "G" "C" "C" "T" "G"
## [18703] "G" "A" "G" "A" "T" "C" "A" "A" "T" "T" "T" "A" "A" "A" "C" "A" "C" "C"
## [18721] "T" "C" "A" "T" "A" "C" "C" "A" "C" "T" "T" "A" "T" "G" "T" "A" "C" "A"
## [18739] "A" "A" "G" "G" "A" " " "C" "T" "T" "C" "C" "T" "T" "G" "G" "A" "A" "T"
## [18757] "G" "T" "A" "G" "T" "G" "C" "G" "T" "A" "T" "A" "A" "A" "A" "G" "A" "T" "T"
## [18775] "G" "T" "A" "C" "A" "A" "A" "T" "G" "T" "T" "A" "A" "G" "T" "G" "A" "C"
## [18793] "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "A" "T" "C" "T" "C" "T" "C" "T"
## [18811] "G" "A" "C" "A" " "G" "A" "G" "T" "C" "G" "T" "A" "T" "T" "T" "T" "G" "T"
   [18829] "C" "T" "T" "A" "T" "G" "G" "G" "C" "A" "C" "A" "T" "G" "G" "C" "T" "T"
  [18847] "T" "G" "A" "G" "T" "T" "G" "A" "C" "A" "T" "C" "T" "A" "T" "G" "A" "A"
  [18865] "G" "T" "A" "T" "T" "T" "T" "G" "T" "G" "A" "A" "A" "A" "A" "T" "A" "G" "G"
## [18883] "A" "C" "C" " " "T" "G" "A" "G" "C" "G" "C" "A" "C" "C" "T" "G" "T" "T"
## [18901] "G" "T" "C" "T" "A" "T" "G" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "G"
## [18919] "C" "C" "A" "C" "A" "T" "G" "C" "T" "T" "T" "T" "C" "C" "A" "C" "T" "G"
## [18937] "C" "T" "T" "C" "A" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "C" "C" "T"
## [18955] "G" "T" " "T" "G" "G" "C" "A" "T" "C" "A" "T" "T" "C" "T" "A" "T" "T"
```

```
## [18973] "G" "G" "A" "T" "T" "T" "G" "A" "T" "T" "A" "C" "G" "T" "C" "T" "A" "T"
  [18991] "A" "A" "T" "C" "C" "G" "T" "T" "T" "A" "T" "G" "A" "T" "T" "G" "A" "T"
  [19009] "G" "T" "T" "C" "A" "A" "C" "A" "A" "T" "G" "G" "G" "G" "T" "T" "T" "T"
  [19027] "A" " " "C" "A" "G" "G" "T" "A" "A" "C" "C" "T" "A" "C" "A" "A" "A" "A" "G"
## [19045] "C" "A" "A" "C" "C" "A" "T" "G" "A" "T" "C" "T" "G" "T" "A" "T" "T" "G"
## [19063] "T" "C" "A" "A" "G" "T" "C" "C" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C"
## [19081] "A" "C" "A" "T" "G" "T" "A" "G" "C" "T" "A" "G" "T" "T" "G" "T" "G" "A"
## [19099] " " "T" "G" "C" "A" "A" "T" "C" "A" "T" "G" "A" "C" "T" "A" "G" "G" "T"
  [19117] "G" "T" "C" "T" "A" "G" "C" "T" "G" "T" "C" "C" "A" "C" "A" "G" "T"
  [19135] "G" "C" "T" "T" "T" "G" "T" "T" "A" "A" "G" "C" "G" "T" "G" "T" "T" "G"
  [19153] "A" "C" "T" "G" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "T" "A" "T" "
## [19171] "C" "C" "T" "A" "T" "A" "A" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "A"
  [19189] "C" "T" "G" "A" "A" "G" "A" "T" "T" "A" "A" "T" "G" "C" "G" "C" "T"
## [19207] "T" "G" "T" "A" "G" "A" "A" "G" "G" "T" "T" "C" "A" "A" "C" "A" "C"
## [19225] "A" "T" "G" "G" "T" "T" "G" "T" "T" "A" "A" "A" "G" "C" "T" "G" " " " "C"
## [19243] "A" "T" "T" "A" "T" "T" "A" "G" "C" "A" "G" "A" "C" "A" "A" "A" "A" "T" "T"
  [19261] "C" "C" "C" "A" "G" "T" "T" "C" "T" "T" "C" "A" "C" "A" "C" "A" "T"
  [19279] "T" "G" "G" "T" "A" "A" "C" "C" "C" "T" "A" "A" "A" "G" "C" "T" "A" "T"
  [19297] "T" "A" "A" "G" "T" "G" "T" "G" "T" "A" "C" "C" "T" "C" "A" " " "A" "G"
## [19315] "C" "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "T" "G" "G" "A" "A" "A" "T"
## [19333] "T" "C" "T" "A" "T" "G" "A" "T" "G" "C" "A" "C" "A" "G" "C" "C" "T" "T"
## [19351] "G" "T" "A" "G" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "A" "T" "A"
## [19369] "A" "A" "A" "T" "A" "G" "A" "A" "G" "A" "A" "T" "T" "A" " " "T" "T" "C"
## [19387] "T" "A" "T" "T" "C" "T" "T" "A" "T" "G" "C" "C" "A" "C" "A" "C" "A" "T"
## [19405] "T" "C" "T" "G" "A" "C" "A" "A" "A" "T" "T" "C" "A" "C" "A" "G" "A" "T"
## [19423] "G" "G" "T" "G" "T" "A" "T" "G" "C" "C" "T" "A" "T" "T" "T" "T" "G" "G"
## [19441] "A" "A" "T" "T" "G" "C" "A" "A" "T" "G" "T" "C" "G" " " " "A" "T" "A" "G"
## [19459] "A" "T" "A" "T" "C" "C" "T" "G" "T" "T" "A" "A" "T" "T" "C" "C" "A" "T"
## [19477] "T" "G" "T" "T" "G" "T" "A" "G" "A" "T" "T" "T" "G" "A" "C" "A" "C"
## [19495] "T" "A" "G" "A" "G" "T" "G" "C" "T" "A" "T" "C" "T" "A" "A" "C" "C" "T"
## [19513] "T" "A" "A" "C" "T" "T" "G" "C" "C" "T" "G" "G" " " " "T" "T" "G" "T" "G"
  [19531] "A" "T" "G" "G" "T" "G" "G" "C" "A" "G" "T" "T" "T" "G" "T" "A" "T" "G"
## [19549] "T" "A" "A" "A" "T" "A" "A" "A" "C" "A" "T" "G" "C" "A" "T" "T" "C" "C"
## [19567] "A" "C" "A" "C" "A" "C" "C" "A" "G" "C" "T" "T" "T" "T" "T" "G" "A" "T" "A"
## [19585] "A" "A" "A" "G" "T" "G" "C" "T" "T" "T" "T" "T" " "G" "T" "T" "A" "A" "T"
## [19603] "T" "T" "A" "A" "A" "A" "C" "A" "T" "T" "A" "C" "C" "A" "T" "T" "T"
## [19621] "T" "T" "C" "T" "A" "T" "T" "A" "C" "T" "C" "T" "G" "A" "C" "A" "G" "T"
## [19639] "C" "C" "A" "T" "G" "T" "G" "A" "G" "T" "C" "T" "C" "A" "T" "G" "A"
## [19657] "A" "A" "A" "C" "A" "A" "G" "T" "A" "G" " " "T" "G" "T" "C" "A" "G" "A"
## [19675] "T" "A" "T" "A" "G" "A" "T" "T" "A" "T" "G" "T" "A" "C" "C" "A" "C" "T"
## [19693] "A" "A" "A" "G" "T" "C" "T" "G" "C" "T" "A" "C" "G" "T" "G" "T" "A" "T"
## [19711] "A" "A" "C" "A" "C" "G" "T" "T" "G" "C" "A" "A" "T" "T" "T" "A" "G" "G"
## [19729] "T" "G" "G" "T" "G" "C" "T" "G" "T" " " "C" "T" "G" "T" "A" "G" "A" "C"
## [19747] "A" "T" "C" "A" "T" "G" "C" "T" "A" "A" "T" "G" "A" "G" "T" "A" "C" "A"
## [19765] "G" "A" "T" "T" "G" "T" "A" "T" "C" "T" "C" "G" "A" "T" "G" "C" "T" "T"
## [19783] "A" "T" "A" "A" "C" "A" "T" "G" "A" "T" "G" "A" "T" "C" "T" "C" "A" "G"
   [19801] "C" "T" "G" "G" "C" "T" "T" "T" " "A" "G" "C" "T" "T" "G" "T" "G" "G"
  [19819] "G" "T" "T" "T" "A" "C" "A" "A" "C" "A" "A" "T" "T" "T" "T" "G" "A" "T"
  [19837] "A" "C" "T" "T" "A" "T" "A" "A" "C" "C" "T" "C" "T" "G" "G" "A" "A" "C"
## [19855] "A" "C" "T" "T" "T" "T" "A" "C" "A" "A" "G" "A" "C" "T" "T" "C" "A" "G"
          "A" "G" "T" "T" "T" "A" "G" " " "A" "A" "A" "A" "T" "G" "T" "G" "G" "C"
## [19873]
## [19909] "G" "G" "G" "A" "C" "A" "C" "T" "T" "T" "G" "A" "T" "G" "G" "A" "C" "A"
## [19927] "A" "C" "A" "G" "G" "G" "T" "G" "A" "A" "G" "T" "A" "C" "C" "A" "G" "T"
```

```
## [19945] "T" "T" "C" "T" "A" "T" " "C" "A" "T" "T" "A" "A" "T" "A" "A" "C" "A"
  [19963] "C" "T" "G" "T" "T" "T" "A" "C" "A" "C" "A" "A" "A" "A" "A" "G" "T" "T" "G"
  [19981] "A" "T" "G" "G" "T" "G" "T" "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "T"
  ## [20017] "C" "A" "T" "T" "A" " " "C" "C" "T" "G" "T" "T" "A" "A" "T" "G" "T" "A"
## [20035] "G" "C" "A" "T" "T" "T" "G" "A" "G" "C" "T" "T" "T" "G" "G" "G" "C" "T"
## [20053] "A" "A" "G" "C" "G" "C" "A" "A" "C" "A" "T" "T" "A" "A" "A" "A" "C" "C" "A"
[20089] "C" "T" "C" "A" " " "A" "T" "A" "A" "T" "T" "T" "G" "G" "G" "G" "T" "G" "T"
  [20107] "G" "G" "A" "C" "A" "T" "T" "G" "C" "T" "G" "C" "T" "A" "A" "T" "A" "C"
  [20125] "T" "G" "T" "G" "A" "T" "C" "T" "G" "G" "G" "A" "C" "T" "A" "C" "A" "A"
  [20143] "A" "A" "G" "A" "G" "A" "T" "G" "C" "T" "C" "C" "A" "G" "C" "A" "C" "A"
  [20161] "T" "A" "T" " "A" "T" "C" "T" "A" "C" "T" "A" "T" "G"
## [20179] "T" "T" "G" "T" "T" "C" "T" "A" "T" "G" "A" "C" "T" "G" "A" "C" "A"
## [20197] "T" "A" "G" "C" "C" "A" "A" "G" "A" "A" "A" "C" "C" "A" "A" "C" "T" "G"
## [20215] "A" "A" "A" "C" "G" "A" "T" "T" "T" "G" "T" "G" "C" "A" "C" "C" "A" "C"
  [20251] "G" "G" "T" "A" "G" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "C" "A" "A"
  [20269] "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "T" "A" "G" "A" "A" "A" "A" "T"
## [20287] "G" "C" "C" "C" "G" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "C" "T" "T"
## [20305] "A" " " "T" "T" "A" "C" "A" "G" "A" "A" "G" "G" "T" "A" "G" "T" "G" "T"
## [20323] "T" "A" "A" "A" "G" "G" "T" "T" "T" "A" "C" "A" "A" "C" "C" "A" "T" "C"
## [20341] "T" "G" "T" "A" "G" "G" "T" "C" "C" "C" "A" "A" "A" "C" "A" "A" "G" "C"
## [20359] "T" "A" "G" "T" "C" "T" "T" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "C"
## [20377] " " "A" "T" "T" "A" "A" "T" "T" "G" "G" "A" "G" "A" "A" "A" "G" "C" "C" "C" "G"
  [20395] "T" "A" "A" "A" "A" "A" "C" "A" "C" "A" "G" "T" "T" "C" "A" "A" "T" "T"
## [20413] "A" "T" "T" "A" "T" "A" "A" "G" "A" "A" "G" "T" "T" "G" "A" "T" "G"
  [20431] "G" "T" "G" "T" "T" "G" "T" "C" "C" "A" "A" "C" "A" "A" "T" "T" "A" "
## [20449] "C" "C" "T" "G" "A" "A" "A" "C" "T" "T" "A" "C" "T" "T" "T" "A" "C" "T"
## [20467] "C" "A" "G" "A" "G" "T" "A" "G" "A" "A" "A" "T" "T" "T" "A" "C" "A" "A"
## [20485] "G" "A" "A" "T" "T" "T" "A" "A" "A" "C" "C" "C" "A" "G" "G" "A" "G" "T"
         "C" "A" "A" "A" "T" "G" "G" "A" "A" "A" "T" "T" "G" "A" "T" "T" "T" "T"
  [20503]
  [20521] "C" "T" "T" "A" "G" "A" "A" "T" "T" "A" "G" "C" "T" "A" "T" "G" "G" "A"
  [20539] "T" "G" "A" "A" "T" "T" "C" "A" "T" "T" "G" "A" "A" "C" "G" "G" "T" "A"
## [20557] "T" "A" "A" "A" "T" "T" "A" "G" "A" "A" "G" "G" "C" "T" "A" "T" "G" "C"
## [20575] "C" "T" "T" "C" "G" "A" "A" "C" "A" "T" "A" "T" "C" "G" "T" " "T" "T"
## [20593] "A" "T" "G" "G" "A" "G" "A" "T" "T" "T" "T" "A" "G" "T" "C" "A" "T" "A"
## [20629] "A" "T" "C" "T" "A" "C" "T" "G" "A" "T" "T" "G" "G" "A" "C" "T" "A" "G"
  [20647] "C" "T" "A" "A" "A" "C" "G" "T" "T" "T" "T" "A" "A" "G" " " "G" "A" "A" "A"
##
  [20665] "T" "C" "A" "C" "C" "T" "T" "T" "T" "G" "A" "A" "A" "T" "T" "A" "G" "A" "A"
## [20683] "G" "A" "T" "T" "T" "T" "A" "T" "C" "C" "T" "A" "T" "G" "G" "A" "C"
  [20701] "A" "G" "T" "A" "C" "A" "G" "T" "T" "A" "A" "A" "A" "A" "A" "C" "T" "A" "T"
## [20719] "T" "T" "C" "A" "T" "A" "A" "C" "A" "G" "A" "T" "G" " " "C" "G" "C" "A"
## [20737] "A" "A" "C" "A" "G" "G" "T" "T" "C" "A" "T" "C" "T" "A" "A" "G" "T" "G"
## [20755] "T" "G" "T" "G" "T" "G" "T" "C" "T" "G" "T" "T" "A" "T" "T" "G" "A"
  [20773] "T" "T" "A" "T" "A" "T" "A" "C" "T" "T" "G" "A" "T" "G" "A" "T" "T" "T" "T"
  [20809] "C" "C" "C" "A" "A" "G" "A" "T" "T" "A" "T" "C" "T" "G" "T" "A" "G"
## [20827] "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "G" "T" "C" "A" "A" "A" "G"
         "T" "G" "A" "C" "T" "A" "T" "T" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G"
  [20845]
## [20863] "A" "A" "A" "T" "T" "T" "C" "A" "T" "T" "T" "T" "A" "T" "G" "C" "T" "T"
## [20881] "T" "G" "G" "T" "G" "T" "A" "A" "A" "G" "A" "T" "G" "G" "C" "C" "A" "T"
## [20899] "G" "T" "A" "G" "A" "A" "A" "C" "A" "T" "T" "T" "T" "A" "C" "C" "C" "A"
```

```
## [20917] "A" "A" "A" "T" "T" "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "C" "A" "A"
  [20935] "G" "C" "G" "T" "G" "G" "C" "A" "A" "C" " " "C" "G" "G" "G" "T" "G" "T"
  [20953] "T" "G" "C" "T" "A" "T" "G" "C" "C" "T" "A" "A" "T" "C" "T" "T" "T" "A"
## [20971] "C" "A" "A" "A" "A" "T" "G" "C" "A" "A" "A" "G" "A" "A" "T" "G" "C" "T"
## [20989] "A" "T" "T" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "A" "C" "C" "T"
## [21007] "T" "C" "A" "A" "A" "A" "T" "T" "A" " " "T" "G" "G" "T" "G" "A" "T" "A"
## [21025] "G" "T" "G" "C" "A" "A" "C" "A" "T" "T" "A" "C" "C" "T" "A" "A" "A" "A" "G"
## [21043] "G" "C" "A" "T" "A" "A" "T" "G" "A" "T" "G" "A" "T" "G" "T" "C" "G"
  [21061] "C" "A" "A" "A" "A" "A" "T" "A" "T" "A" "C" "T" "C" "A" "A" "A" "C" "T" "G" "T"
  [21097] "T" "T" "A" "A" "C" "A" "T" "T" "A" "G" "C" "T" "G" "T" "A" "C" "C" "C"
## [21115] "T" "A" "T" "A" "A" "T" "A" "T" "G" "A" "G" "A" "G" "T" "T" "A" "T" "A"
  [21133] "C" "A" "T" "T" "T" "T" "G" "G" "T" "G" "C" "T" "G" "G" "T" "T" "C" "T"
## [21151] "G" "A" "T" "A" "A" "G" " " "G" "A" "G" "T" "T" "G" "C" "A" "C" "C"
## [21169] "A" "G" "G" "T" "A" "C" "A" "G" "C" "T" "G" "T" "T" "T" "T" "T" "A" "A" "G"
## [21187] "A" "C" "A" "G" "T" "G" "G" "T" "T" "G" "C" "C" "T" "A" "C" "G" "G" "G"
  [21205] "T" "A" "C" "G" "C" "T" "G" "C" "T" "T" "G" "T" "G" "T" "C"
  [21223] "A" "G" "A" "T" "C" "T" " "T" "A" "A" "T" "G" "A" "C" "T" "T" "T" "G"
  [21241] "T" "C" "T" "C" "T" "G" "A" "T" "G" "C" "A" "G" "A" "T" "T" "T" "C" "A" "A"
## [21259] "C" "T" "T" "T" "G" "A" "T" "T" "G" "G" "T" "G" "A" "T" "T" "G" "T" "G"
## [21277] "C" "A" "A" "C" "T" "G" "T" "A" "C" "A" "T" "A" "C" "A" "G" "C" "T" "A"
## [21295] "A" "T" "A" "A" "A" " " "T" "G" "G" "G" "A" "T" "C" "T" "C" "A" "T" "T"
## [21313] "A" "T" "T" "A" "G" "T" "G" "A" "T" "A" "T" "G" "T" "A" "C" "G" "A" "C"
## [21331] "C" "C" "T" "A" "A" "G" "A" "C" "T" "A" "A" "A" "A" "A" "A" "T" "G" "T" "T"
## [21349] "A" "C" "A" "A" "A" "A" "G" "A" "A" "A" "A" "T" "G" "A" "C" "T" "C" "T"
  ## [21403] "A" "C" "A" "A" "C" "A" "A" "A" "A" "G" "C" "T" "A" "G" "C" "T" "C" "T"
## [21421] "T" "G" "G" "A" "G" "G" "T" "T" "C" "C" "G" "T" "G" "G" "C" "T" "A" "T"
## [21439] "A" "A" "A" " " "G" "A" "T" "A" "A" "C" "A" "G" "A" "A" "C" "A" "T" "T"
## [21457] "C" "T" "T" "G" "G" "A" "A" "T" "G" "C" "T" "G" "A" "T" "C" "T" "T" "T"
  [21475] "A" "T" "A" "A" "G" "C" "T" "C" "A" "T" "G" "G" "G" "A" "C" "A" "C" "T"
  [21493] "T" "C" "G" "C" "A" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "C" "C" "T"
## [21511] "T" "T" " " "G" "T" "T" "A" "C" "T" "A" "A" "T" "G" "T" "G" "A" "A" "T"
## [21529] "G" "C" "G" "T" "C" "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "G" "C" "A"
## [21547] "T" "T" "T" "T" "T" "A" "A" "T" "T" "G" "G" "A" "T" "G" "T" "A" "A" "T"
## [21565] "T" "A" "T" "C" "T" "T" "G" "G" "C" "A" "A" "A" "C" "C" "A" "C" "C" "A" "C" "G" "C"
## [21583] "G" " " "A" "A" "C" "A" "A" "A" "A" "G" "A" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A"
## [21601] "T" "G" "T" "C" "A" "T" "G" "C" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "A"
  [21619] "C" "A" "T" "A" "T" "T" "T" "T" "G" "G" "A" "G" "G" "A" "A" "A" "T" "A" "C"
##
  [21637] "A" "A" "A" "T" "C" "C" "A" "A" "T" "T" "C" "A" "G" "T" "T" "C"
## [21673] "A" "C" "A" "T" "G" "A" "G" "T" "A" "A" "A" "T" "T" "T" "C" "C" "C" "C"
## [21691] "T" "T" "A" "A" "A" "T" "T" "A" "G" "G" "G" "G" "T" "A" "C" "T" "G"
## [21727] "G" "A" "A" "G" "G" "T" "C" "A" "A" "T" "C" "A" "A" "T" "G" "A" "T"
  [21745] "A" "T" "G" "A" "T" "T" "T" "T" "A" "T" "C" "T" "C" "T" "T" "C" "T" "T"
  [21763] "A" "G" "T" "A" "A" "A" "G" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "A"
  [21781] "A" "T" "T" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "A" "C" "A" "G"
## [21799] "A" "G" "T" "T" "G" "T" "T" "A" "T" "T" "T" "C" "T" "A" "G" "T" "G" "A"
         "T" "G" "T" "T" "C" "T" "T" "G" "T" "T" "A" "A" "C" "A" "A" "C" "A" "A" "C"
  Γ21817]
## [21853] "T" "T" "C" "T" "T" "G" "T" "T" "T" "A" "T" "T" "G" "C" " " "C" "A"
## [21871] "C" "T" "A" "G" "T" "C" "T" "C" "T" "A" "G" "T" "C" "A" "G" "T" "G" "T"
```

```
## [21889] "G" "T" "T" "A" "A" "T" "C" "T" "T" "A" "G" "A" "A" "C" "C" "A" "G" "A"
  [21907] "A" "C" "T" "C" "A" "A" "T" "T" "A" "C" "C" "C" "C" "C" "C" "T" "G" "C" "A"
  [21925] "T" "A" "C" "A" "C" "T" "A" "A" "T" "T" "C" "T" "T" "T" "T" " "C" "A" "C"
## [21943] "A" "C" "G" "T" "G" "G" "T" "G" "T" "T" "A" "T" "A" "T" "A" "C" "C"
## [21961] "T" "G" "A" "C" "A" "A" "A" "G" "T" "T" "T" "T" "C" "A" "G" "A" "T" "C"
## [21979] "C" "T" "C" "A" "G" "T" "T" "T" "T" "A" "C" "A" "T" "T" "C" "A" "A" "C"
## [21997] "T" "C" "A" "G" "G" "A" "C" "T" "T" "G" "T" "T" "C" " " "T" "T" "A" "C"
[22033] "C" "T" "T" "G" "G" "T" "T" "C" "C" "A" "T" "G" "C" "T" "A" "T" "A" "C"
  [22051] "A" "T" "G" "T" "C" "T" "C" "T" "G" "G" "G" "A" "C" "C" "A" "A" "T" "G"
  [22069] "G" "T" "A" "C" "T" "A" "A" "G" "A" "G" "G" "T" " "T" "T" "T" "G" "A" "T"
## [22087] "A" "A" "C" "C" "C" "T" "G" "T" "C" "C" "T" "A" "C" "C" "A" "T" "T" "T"
  [22105] "A" "A" "T" "G" "A" "T" "G" "G" "T" "G" "T" "T" "T" "A" "T" "T" "T" "T"
## [22123] "G" "C" "T" "T" "C" "C" "A" "Y" "T" "G" "A" "G" "A" "A" "G" "T" "C" "T"
## [22141] "A" "A" "C" "A" "T" "A" "A" "T" "A" "G" " " "A" "G" "G" "G" "C" "T" "G"
## [22159] "G" "A" "T" "T" "T" "T" "T" "G" "G" "T" "A" "C" "T" "A" "C" "T" "T" "T" "T"
  [22177] "A" "G" "A" "T" "T" "C" "G" "A" "A" "G" "A" "C" "C" "C" "A" "G" "T" "C"
  [22195] "C" "C" "T" "A" "C" "T" "T" "A" "T" "T" "G" "T" "T" "A" "A" "A" "T" "A" "A"
  [22213] "C" "G" "C" "T" "A" "C" "T" "A" "A" "T" " " "G" "T" "T" "G" "T" "T" "A"
## [22231] "T" "T" "A" "A" "A" "G" "T" "C" "T" "G" "T" "G" "A" "A" "T" "T" "T" "C"
## [22249] "A" "A" "T" "T" "T" "T" "G" "T" "A" "A" "T" "G" "A" "T" "C" "C" "A" "T"
## [22267] "T" "T" "T" "T" "G" "G" "A" "T" "G" "T" "T" "A" "T" "T" "A" "T" "A" "C" "C"
## [22303] "T" "G" "G" "A" "T" "G" "G" "A" "A" "A" "G" "T" "G" "N" "N" "N" "N" "N" "N"
## [22321] "N" "G" "A" "G" "T" "T" "T" "A" "T" "C" "T" "A" "G" "T" "G" "C" "G"
  [22339] "A" "A" "T" "A" "A" "T" "T" "G" "C" "A" "C" "T" "T" "T" "T" "G" "A" "A"
## [22357] "T" "A" "T" "G" "T" "C" "T" "C" " " "T" "C" "A" "G" "C" "C" "T" "T" "T"
## [22375] "T" "C" "T" "T" "A" "T" "G" "G" "A" "C" "C" "T" "T" "G" "A" "A" "G" "G"
## [22393] "A" "A" "A" "A" "C" "A" "G" "G" "G" "T" "A" "A" "T" "T" "T" "C" "A" "A"
## [22411] "A" "A" "A" "T" "C" "T" "T" "A" "G" "G" "G" "A" "A" "T" "T" "T" "G" "T"
## [22429] "G" "T" "T" "T" "A" "A" "G" " " "A" "A" "T" "A" "T" "T" "G" "A" "T" "G"
## [22465] "C" "T" "A" "A" "G" "C" "A" "C" "A" "C" "G" "C" "C" "T" "A" "T" "T" "A"
## [22483] "A" "T" "T" "T" "A" "G" "T" "G" "C" "G" "T" "G" "A" "T" "C" "T" "C" "C"
## [22519] "T" "T" "A" "G" "A" "A" "C" "C" "A" "T" "T" "G" "G" "T" "A" "G" "A" "T"
## [22537] "T" "T" "G" "C" "C" "A" "A" "T" "A" "G" "G" "T" "A" "T" "T" "A" "A" "C"
## [22555] "A" "T" "C" "A" "C" "T" "A" "G" "T" "T" "T" "T" "C" "A" "A" "A" "A" "C" "T"
## [22573] "T" "T" "A" "C" "T" " "T" "G" "C" "T" "T" "T" "A" "C" "A" "T" "A" "G"
## [22591] "A" "A" "G" "T" "T" "A" "T" "T" "T" "G" "A" "C" "T" "C" "C" "T" "G" "G"
## [22609] "T" "G" "A" "T" "T" "C" "T" "T" "C" "T" "T" "C" "A" "G" "G" "T" "T" "G"
## [22627] "G" "A" "C" "A" "G" "C" "T" "G" "G" "T" "G" "C" "T" "G" "C" "A" "G" "C"
## [22645] "T" "T" "A" "T" " " "T" "A" "T" "G" "G" "G" "G" "T" "T" "A" "T" "C"
## [22663] "T" "T" "C" "A" "A" "C" "C" "T" "A" "G" "G" "A" "C" "T" "T" "T" "T" "C"
## [22681] "T" "A" "T" "T" "A" "A" "A" "A" "T" "A" "T" "A" "T" "G" "A" "A" "A" "A"
## [22699] "A" "T" "G" "G" "A" "A" "C" "C" "A" "T" "T" "A" "C" "A" "G" "A" "T" "G"
  [22717] "C" "T" "G" " " "T" "A" "G" "A" "C" "T" "G" "T" "G" "C" "A" "C" "T" "T"
## [22735] "G" "A" "C" "C" "C" "T" "C" "T" "C" "T" "C" "A" "G" "A" "A" "A" "A" "C" "A"
  [22753] "A" "A" "G" "T" "G" "T" "A" "C" "G" "T" "T" "G" "A" "A" "A" "A" "T" "C" "C"
"A" "T" " " "C" "T" "A" "T" "C" "A" "A" "A" "C" "T" "T" "C" "T" "A" "A"
## [22789]
## [22807] "C" "T" "T" "A" "G" "A" "G" "T" "C" "C" "A" "A" "C" "C" "A" "A" "C"
## [22825] "A" "G" "A" "A" "T" "C" "T" "A" "T" "T" "G" "T" "T" "A" "G" "A" "T" "T"
## [22843] "T" "C" "C" "T" "A" "A" "T" "A" "T" "A" "C" "A" "A" "A" "A" "C" "T" "T"
```

```
## [22861] "G" " "T" "G" "C" "C" "T" "T" "T" "T" "G" "G" "T" "G" "A" "A" "G"
  [22879] "T" "T" "T" "T" "T" "A" "A" "C" "G" "C" "A" "C" "A" "C" "A" "G" "A" "T"
## [22897] "T" "T" "G" "C" "A" "T" "C" "T" "G" "T" "T" "A" "T" "G" "C" "T" "T"
  ## [22933] " " "G" "C" "A" "A" "C" "T" "G" "T" "G" "T" "T" "G" "C" "T" "G" "A" "T"
## [22951] "T" "A" "T" "T" "C" "T" "G" "T" "C" "C" "T" "A" "T" "A" "T" "A" "T" "A" "T"
## [22969] "T" "C" "C" "G" "C" "A" "T" "C" "A" "T" "T" "T" "T" "T" "C" "C" "A" "C" "T"
## [22987] "T" "T" "A" "A" "G" "T" "G" "T" "A" "T" "G" "G" "A" "G" "T" "
  [23023] "T" "G" "A" "T" "C" "T" "C" "T" "G" "C" "T" "T" "T" "A" "C" "T" "A" "A"
  [23041] "T" "G" "T" "C" "T" "A" "T" "G" "C" "A" "G" "A" "T" "T" "C" "A" "T" "T"
## [23059] "T" "G" "T" "A" "A" "T" "T" "A" "G" "A" "G" "G" "T" "G" "A" "T" " "G"
  [23077] "A" "A" "G" "T" "C" "A" "G" "A" "C" "A" "A" "A" "A" "A" "T" "C" "G" "C" "T" "C"
## [23095] "C" "A" "G" "G" "G" "C" "A" "A" "A" "C" "T" "G" "G" "A" "A" "A" "G" "A"
## [23131] "A" "A" "T" "T" "A" "C" "C" "A" "G" "A" "T" "G" "A" "T" "T" "T" "T" "T" "T"
  [23149] "A" "C" "A" "G" "G" "C" "T" "G" "C" "T" "T" "A" "T" "A" "T" "A" "G" "C" "T"
  [23167] "T" "G" "G" "A" "A" "T" "T" "C" "T" "A" "A" "C" "A" "A" "T" "C" "T" "T"
  [23185] "G" "A" "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "G" "G" "T" "G" "G" "T"
## [23203] "A" "A" "T" "T" "A" "T" "A" "T" "T" "A" "C" "C" "G" " " "G" "T" "A"
## [23221] "T" "A" "G" "A" "T" "T" "G" "T" "T" "A" "G" "G" "A" "A" "G" "G" "T" "C"
## [23239] "T" "A" "A" "T" "C" "T" "C" "A" "A" "A" "C" "C" "T" "T" "T" "T" "T" "G" "A"
## [23257] "G" "A" "G" "A" "G" "A" "T" "A" "T" "T" "T" "C" "A" "A" "C" "T" "G" "A"
## [23275] "A" "A" "T" "C" "T" "A" "T" "C" "A" "G" "G" "C" "C" " " "G" "G" "T" "A"
## [23293] "G" "C" "A" "A" "A" "C" "C" "T" "T" "G" "T" "A" "A" "T" "G" "G" "T" "G"
  [23311] "T" "T" "G" "A" "A" "G" "G" "T" "T" "T" "T" "A" "A" "T" "T" "G" "T" "T"
## [23329] "A" "C" "T" "T" "T" "C" "C" "T" "T" "A" "C" "A" "A" "T" "C" "A" "T"
  [23347] "A" "T" "G" "G" "T" "T" "T" "C" "C" "A" "A" "C" " " "C" "C" "A" "C" "T"
## [23383] "C" "C" "A" "T" "A" "C" "A" "G" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A"
## [23401] "C" "T" "T" "T" "C" "T" "T" "T" "G" "A" "A" "C" "T" "T" "C" "T" "A"
         "C" "A" "T" "G" "C" "A" "C" "C" "A" "G" "C" " " "A" "A" "A" "C" "T" "G" "T"
  [23419]
## [23437] "T" "T" "G" "T" "G" "G" "A" "C" "C" "T" "A" "A" "A" "A" "A" "A" "G" "T" "C"
## [23473] "C" "A" "A" "A" "T" "G" "T" "G" "T" "C" "A" "A" "T" "T" "T" "C" "A" "A"
## [23491] "C" "T" "T" "C" "A" "A" "T" "G" "G" "T" " " "T" "T" "A" "A" "C" "A" "G"
## [23509] "G" "C" "A" "C" "A" "G" "G" "T" "G" "T" "T" "C" "T" "T" "A" "C" "T" "G"
## [23527] "A" "G" "T" "C" "T" "A" "A" "C" "A" "A" "A" "A" "A" "G" "T" "T" "T" "C"
## [23545] "T" "G" "C" "C" "T" "T" "T" "C" "C" "A" "A" "C" "A" "A" "T" "T" "T" "T" "G"
  [23563] "G" "C" "A" "G" "A" "G" "A" "C" "A" " "T" "T" "G" "C" "T" "G" "A" "C"
##
## [23581] "A" "C" "T" "A" "C" "T" "G" "A" "T" "G" "C" "T" "G" "T" "C" "C" "G" "T"
## [23599] "G" "A" "T" "C" "C" "A" "C" "A" "G" "A" "C" "A" "C" "T" "T" "G" "A" "G"
## [23617] "A" "T" "T" "C" "T" "T" "G" "A" "C" "A" "T" "T" "A" "C" "A" "C" "C" "A"
## [23653] "C" "A" "G" "T" "G" "T" "T" "A" "T" "A" "A" "C" "A" "C" "C" "A" "G" "G"
## [23671] "A" "A" "C" "A" "A" "A" "T" "A" "C" "T" "T" "C" "T" "A" "A" "C" "C" "A"
  [23689] "G" "G" "T" "T" "G" "C" "T" "G" "T" "T" "C" "T" "T" "T" "A" "T" "C" "A"
  [23707] "G" "G" "G" "T" "G" "T" "T" " " "A" "A" "C" "T" "G" "C" "A" "C" "A" "G"
  [23725] "A" "A" "G" "T" "C" "C" "C" "T" "G" "T" "T" "G" "C" "T" "A" "T" "T" "C"
## [23743] "A" "T" "G" "C" "A" "G" "A" "T" "C" "A" "A" "C" "T" "T" "A" "C" "T" "C"
         "C" "T" "A" "C" "T" "T" "G" "G" "C" "G" "T" "G" "T" "T" "T" "A" "T" "T"
  [23761]
## [23779] "C" "T" "A" "C" "A" "G" " " "G" "T" "T" "C" "T" "A" "A" "T" "G" "T" "T"
## [23797] "T" "T" "T" "C" "A" "A" "A" "C" "A" "C" "G" "T" "G" "C" "A" "G" "G" "C"
## [23815] "T" "G" "T" "T" "T" "A" "A" "T" "A" "G" "G" "G" "G" "C" "T" "G" "A" "A"
```

```
## [23833] "C" "A" "T" "G" "T" "C" "A" "A" "C" "A" "A" "C" "T" "C" "A" "T" "A" "T"
  [23851] "G" "A" "G" "T" "G" " " "T" "G" "A" "C" "A" "T" "A" "C" "C" "C" "A" "T"
  [23869] "T" "G" "G" "T" "G" "C" "A" "G" "G" "T" "A" "T" "A" "T" "G" "C" "G" "C"
  [23887] "T" "A" "G" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T" "C" "A" "G" "A" "C"
## [23905] "T" "A" "A" "T" "T" "C" "T" "C" "G" "T" "C" "G" "G" "G" "C" "G" "G" "C"
## [23923] "A" "C" "G" "T" " "A" "G" "T" "G" "T" "A" "G" "C" "T" "A" "G" "T" "C"
## [23941] "A" "A" "T" "C" "C" "A" "T" "C" "A" "T" "G" "C" "C" "T" "A" "C" "A"
## [23959] "C" "T" "A" "T" "G" "T" "C" "A" "C" "T" "T" "G" "G" "T" "G" "C" "A" "G"
  [23977] "A" "A" "A" "A" "T" "T" "C" "A" "G" "T" "T" "G" "C" "T" "T" "A" "C" "T"
  [23995] "C" "T" "A" " " "A" "T" "A" "A" "C" "T" "C" "T" "A" "T" "T" "G" "C" "C"
  [24013] "A" "T" "A" "C" "C" "C" "A" "C" "A" "A" "A" "T" "T" "T" "T" "A" "C" "T"
## [24031] "A" "T" "T" "A" "G" "T" "G" "T" "T" "A" "C" "C" "A" "C" "A" "G" "A" "A"
  [24049] "A" "T" "T" "C" "T" "A" "C" "C" "A" "G" "T" "G" "T" "C" "T" "A" "T" "G"
## [24067] "A" "C" " "C" "A" "A" "G" "A" "C" "A" "T" "C" "A" "G" "T" "A" "G" "A"
## [24085] "T" "T" "G" "T" "A" "C" "A" "A" "T" "G" "T" "A" "C" "A" "T" "T" "T" "G"
## [24103] "T" "G" "G" "T" "G" "A" "T" "T" "C" "A" "A" "C" "T" "G" "A" "A" "T" "G"
  [24121] "C" "A" "G" "C" "A" "A" "T" "C" "T" "T" "T" "T" "G" "T" "T" "G" "C" "A"
  [24139] "A" " "T" "A" "T" "G" "G" "C" "A" "G" "T" "T" "T" "T" "T" "G" "T" "A"
  [24157] "C" "A" "C" "A" "A" "T" "T" "A" "A" "A" "C" "C" "G" "T" "G" "C" "T" "T"
## [24175] "T" "A" "A" "C" "T" "G" "G" "A" "A" "T" "A" "G" "C" "T" "G" "T" "T" "G"
## [24211] " " "A" "A" "G" "A" "A" "G" "T" "T" "T" "T" "T" "G" "C" "A" "C" "A" "A"
## [24229] "G" "T" "C" "A" "A" "A" "C" "A" "A" "A" "T" "T" "T" "A" "C" "A" "A" "A" "A"
## [24283] "T" "T" "C" "A" "C" "A" "A" "A" "T" "A" "T" "T" "A" "C" "C" "A" "G" "A"
## [24301] "T" "C" "C" "A" "T" "C" "A" "A" "A" "A" "C" "C" "A" "A" "G" "C" "A" "A" "A"
## [24319] "G" "A" "G" "G" "T" "C" "A" "T" "T" "A" "T" "T" "G" "A" "A" "G" "A"
## [24355] "T" "G" "A" "C" "A" "C" "T" "T" "G" "C" "A" "G" "A" "T" "G" "C" "T" "G"
## [24373] "G" "C" "T" "T" "C" "A" "T" "C" "A" "A" "A" "A" "A" "A" "T" "A" "T" "G"
         "G" "T" "G" "A" "T" "T" "G" "C" "C" "T" "T" "G" "G" "T" "G" "A" "T" "A"
  [24391]
## [24409] "T" "T" "G" "C" "T" "G" "C" "T" "A" "G" "A" "G" "A" "C" "C" " " "T" "C"
## [24427] "A" "T" "T" "G" "T" "G" "C" "A" "C" "A" "A" "A" "A" "G" "T" "T" "T"
## [24445] "A" "A" "C" "G" "G" "C" "C" "T" "T" "A" "C" "T" "G" "T" "T" "T" "T" "T" "G"
## [24463] "C" "C" "A" "C" "C" "T" "T" "T" "G" "C" "T" "C" "A" "C" "A" "G" "A" "T"
## [24481] "G" "A" "A" "A" "T" "G" "A" "T" "T" "G" "C" "T" "C" "A" " " "A" "T" "A"
## [24499] "C" "A" "C" "T" "T" "C" "T" "G" "C" "A" "C" "T" "G" "T" "A" "G" "C"
## [24517] "G" "G" "G" "T" "A" "C" "A" "A" "T" "C" "A" "C" "T" "T" "C" "T" "G" "G"
## [24535] "T" "T" "G" "G" "A" "C" "C" "T" "T" "T" "G" "G" "T" "G" "C" "A" "G" "G"
## [24553] "T" "G" "C" "T" "G" "C" "A" "T" "T" "A" "C" "A" "A" " " "A" "T" "A" "C"
## [24571] "C" "A" "T" "T" "T" "G" "C" "T" "A" "T" "G" "C" "A" "A" "A" "T" "G" "G"
## [24589] "C" "T" "T" "A" "T" "A" "G" "G" "T" "T" "T" "A" "A" "T" "G" "G" "T" "A"
## [24607] "T" "T" "G" "G" "A" "G" "T" "T" "A" "C" "A" "C" "A" "G" "A" "A" "T" "G"
## [24625] "T" "T" "C" "T" "C" "T" "A" "T" "G" "A" "G" "A" " " "A" "C" "C" "A" "A"
## [24643] "A" "A" "A" "T" "T" "G" "A" "T" "T" "G" "C" "C" "A" "A" "C" "C" "A" "A"
         "T" "T" "T" "A" "A" "T" "A" "G" "T" "G" "C" "T" "A" "T" "T" "G" "C"
  [24661]
  [24679] "A" "A" "A" "A" "T" "T" "C" "A" "A" "G" "A" "C" "T" "C" "A" "C" "T" "T"
  [24697] "T" "C" "T" "T" "C" "C" "A" "C" "A" "G" "C" " " "A" "A" "A" "G" "T" "G" "C"
## [24715] "A" "C" "T" "T" "G" "G" "A" "A" "A" "A" "C" "T" "T" "C" "A" "A" "A" "A" "A"
         [24733]
## [24751] "A" "C" "A" "A" "G" "C" "T" "T" "T" "A" "A" "A" "C" "A" "C" "G" "C" "T"
## [24769] "T" "G" "T" "T" "A" "A" "A" "C" "A" "A" " " "C" "T" "T" "A" "G" "C" "T"
## [24787] "C" "C" "A" "A" "T" "T" "T" "T" "G" "G" "T" "G" "C" "A" "A" "T" "T" "T" "T"
```

```
## [24805] "C" "A" "A" "G" "T" "G" "T" "T" "T" "A" "A" "A" "T" "G" "A" "T" "A"
  [24823] "T" "C" "C" "T" "T" "T" "C" "A" "C" "G" "T" "C" "T" "T" "G" "A" "C" "A"
## [24841] "A" "A" "G" "T" "T" "G" "A" "G" "G" " " "C" "T" "G" "A" "A" "G" "T" "G"
## [24859] "C" "A" "A" "A" "T" "T" "G" "A" "T" "A" "G" "G" "T" "T" "G" "A" "T" "C"
## [24877] "A" "C" "A" "G" "G" "C" "A" "G" "A" "C" "T" "T" "C" "A" "A" "A" "A" "G" "T"
## [24895] "T" "T" "G" "C" "A" "G" "A" "C" "A" "T" "A" "T" "G" "T" "G" "A" "C" "T"
## [24913] "C" "A" "A" "C" "A" "A" "T" "T" " " "A" "A" "T" "T" "A" "G" "A" "G" "C"
## [24931] "T" "G" "C" "A" "G" "A" "A" "A" "T" "C" "A" "G" "A" "G" "C" "T" "T" "C"
  [24949] "T" "G" "C" "T" "A" "A" "T" "C" "T" "T" "G" "C" "T" "G" "C" "T" "A" "C"
  [24967] "T" "A" "A" "A" "A" "T" "G" "T" "C" "A" "G" "A" "G" "T" "G" "T" "G" "T"
  [24985] "A" "C" "T" "T" "G" "G" "A" " " "C" "A" "A" "T" "C" "A" "A" "A" "A" "A" "A" "A"
## [25003] "G" "A" "G" "T" "T" "G" "A" "T" "T" "T" "T" "T" "G" "G" "A" "A"
  [25021] "A" "G" "G" "G" "C" "T" "A" "T" "C" "A" "T" "C" "T" "T" "A" "T" "G" "T"
## [25039] "C" "C" "T" "T" "C" "C" "C" "T" "C" "A" "G" "T" "C" "A" "G" "C" "A" "C"
## [25057] "C" "T" "C" "A" "T" "G" " " "G" "T" "G" "T" "A" "G" "T" "C" "T" "T" "C"
## [25075] "T" "T" "G" "C" "A" "T" "G" "T" "G" "A" "C" "T" "T" "A" "T" "G" "T" "C"
  [25111] "T" "T" "C" "A" "C" "A" "A" "C" "T" "G" "C" "T" "C" "C" "T" "G" "C" "T"
  [25129] "A" "T" "T" "T" "G" " " "T" "C" "A" "T" "G" "A" "T" "G" "G" "A" "A" "A" "A"
## [25147] "A" "G" "C" "A" "C" "A" "C" "T" "T" "T" "C" "C" "T" "C" "G" "T" "G" "A"
## [25165] "A" "G" "G" "T" "G" "T" "C" "T" "T" "G" "T" "T" "T" "C" "T" "T" "C" "A" "A" "A"
## [25183] "T" "G" "G" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "T" "T" "T" "T" "G" "T"
## [25201] "A" "A" "C" "A" " "C" "A" "A" "A" "G" "G" "A" "A" "T" "T" "T" "T" "T"
## [25219] "A" "T" "G" "A" "A" "C" "C" "A" "A" "A" "A" "T" "C" "A" "T" "T" "A"
## [25237] "C" "T" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "A" "C" "A" "T" "T" "T" "G"
  [25255] "T" "G" "T" "C" "T" "G" "G" "T" "A" "A" "C" "T" "G" "T" "G" "A" "T" "G"
## [25273] "T" "T" "G" " " "T" "A" "A" "T" "A" "G" "G" "A" "A" "T" "T" "G" "T" "C"
  [25291] "A" "A" "C" "A" "A" "C" "A" "C" "A" "G" "T" "T" "T" "A" "T" "G" "A" "T"
## [25309] "C" "C" "T" "T" "T" "G" "C" "A" "A" "C" "C" "T" "G" "A" "A" "T" "T" "A"
## [25327] "G" "A" "C" "T" "C" "A" "T" "T" "C" "A" "A" "G" "G" "A" "G" "G" "A" "G"
"G" "A" "A" "T" "C" "A" "T" "A" "C" "A" "T" "C" "A" "C" "C" "A" "C" "A" "G" "A"
  [25363]
  [25381] "T" "G" "T" "T" "G" "A" "T" "T" "T" "A" "G" "G" "T" "G" "A" "C" "A" "T"
  [25399] "C" "T" "C" "T" "G" "G" "C" "A" "T" "T" "A" "A" "T" "G" "C" "T" "T" "C"
## [25417] "A" " "G" "T" "T" "G" "T" "A" "A" "A" "C" "A" "T" "T" "C" "A" "A" "A" "A"
## [25435] "A" "A" "G" "A" "A" "A" "T" "T" "G" "A" "C" "C" "G" "C" "C" "T" "C" "A"
## [25453] "A" "T" "G" "A" "G" "G" "T" "T" "G" "C" "C" "A" "A" "G" "A" "A" "T" "T"
## [25489] " " "A" "T" "C" "T" "C" "C" "A" "A" "G" "A" "A" "C" "T" "T" "G" "G" "A"
  [25507] "A" "A" "G" "T" "A" "T" "G" "A" "G" "C" "A" "G" "T" "A" "T" "A" "T" "A" "T" "A"
##
## [25525] "A" "A" "A" "T" "G" "G" "C" "C" "A" "T" "G" "G" "T" "A" "C" "A" "T" "T"
## [25543] "T" "G" "G" "C" "T" "A" "G" "C" "T" "T" "T" "T" "A" "T" "A" "G" "C" " "
  [25561] "T" "G" "G" "C" "T" "T" "G" "A" "T" "G" "C" "C" "A" "T" "A" "G" "T"
## [25579] "A" "A" "T" "G" "G" "T" "G" "A" "C" "A" "A" "T" "T" "A" "T" "G" "C" "T"
## [25597] "T" "T" "G" "C" "T" "G" "T" "A" "T" "G" "A" "C" "C" "A" "G" "T" "T" "G"
## [25615] "C" "T" "G" "T" "A" "G" "T" "T" "G" "T" "C" "T" "C" "A" "A" "G" " " "G"
          "G" "C" "T" "G" "T" "T" "G" "T" "T" "C" "T" "T" "G" "T" "G" "G" "A" "T"
   [25633]
  [25651] "C" "C" "T" "G" "C" "T" "G" "C" "A" "A" "A" "T" "T" "T" "T" "G" "A" "T" "G"
  [25669] "A" "A" "G" "A" "C" "G" "A" "C" "T" "C" "T" "G" "A" "G" "C" "C" "A" "G"
          "T" "G" "C" "T" "C" "A" "A" "A" "G" "G" "A" "G" "T" "C" "A" " "A" "A"
  [25687]
          "T" "T" "A" "C" "A" "T" "T" "A" "C" "A" "C" "A" "T" "A" "A" "A" "A" "C" "G"
  [25705]
## [25723] "A" "A" "C" "T" "T" "A" "T" "G" "G" "A" "T" "T" "T" "G" "T" "T" "T" "A"
## [25741] "T" "G" "A" "G" "A" "A" "T" "C" "T" "T" "C" "A" "A" "A" "T" "T" "G"
## [25759] "G" "A" "A" "C" "T" "G" "T" "A" "A" "C" "T" "T" "T" "G" " " "A" "A" "G"
```

```
## [25777] "C" "A" "A" "G" "G" "T" "G" "A" "A" "A" "T" "C" "A" "A" "G" "G" "A" "T"
    [25795] "G" "C" "T" "A" "C" "T" "C" "C" "T" "T" "T" "A" "G" "A" "T" "T" "T" "T"
   [25813] "G" "T" "T" "C" "G" "C" "G" "C" "T" "A" "C" "T" "G" "C" "A" "A" "C" "G"
   [25831] "A" "T" "A" "C" "C" "G" "A" "T" "A" "C" "A" "A" "G" " " " "C" "C" "T" "C"
   [25849] "A" "C" "T" "C" "C" "C" "T" "T" "T" "C" "G" "G" "A" "T" "G" "G" "C" "T"
## [25867] "T" "A" "T" "T" "G" "T" "T" "G" "G" "C" "G" "T" "T" "G" "C" "A" "C" "T"
## [25885] "T" "C" "T" "T" "G" "C" "T" "G" "T" "T" "T" "T" "T" "C" "A" "G" "A" "G"
## [25903] "C" "G" "C" "T" "T" "C" "C" "A" "A" "A" "A" "T" " " "C" "A" "T" "A" "A"
    [25921] "C" "C" "C" "T" "C" "A" "A" "A" "A" "A" "G" "A" "G" "A" "T" "G" "G" "C"
    [25939] "A" "A" "C" "T" "A" "G" "C" "A" "C" "T" "C" "T" "C" "C" "A" "A" "G" "G"
    [25957] "G" "T" "G" "T" "T" "C" "A" "C" "T" "T" "T" "G" "T" "T" "T" "G" "C" "A"
[25993] "G" "T" "A" "A" "C" "A" "G" "T" "T" "T" "A" "C" "T" "C" "A" "C" "A" "C"
## [26011] "C" "T" "T" "T" "T" "G" "C" "T" "C" "G" "T" "T" "G" "C" "T" "G" "C" "T"
## [26029] "G" "G" "C" "C" "T" "T" "G" "A" "A" "G" "C" "C" "C" "C" "T" "T" "T" "T"
## [26047] "C" "T" "C" "T" "A" "T" "C" "T" "T" "T" "T" "A" "T" "G" "C" "T" "T" "T"
    [26065]
              "A" "G" "T" "C" "T" "A" "C" "T" "T" "C" "T" "T" "G" "C" "A" "G" "A" "G"
    [26083] "T" "A" "T" "A" "A" "A" "A" "C" "T" "T" "T" "G" "T" "A" "A" "G" "A" "A" "T"
   [26101] "A" "A" "T" "A" "A" "T" "G" "A" "G" "G" "C" "T" "T" "T" "T" "G" "G" "C" "T"
## [26119] "T" "T" "G" "C" "T" "G" "G" "A" "A" " " "A" "T" "G" "C" "C" "G" "T" "T"
   ## [26155] "A" "T" "G" "A" "T" "G" "C" "C" "A" "A" "C" "T" "A" "T" "T" "T" "T" "C"
## [26173] "T" "T" "T" "G" "C" "T" "G" "G" "C" "A" "T" "A" "C" "T" "A" "A" "T" "T"
   [26191] "G" "T" "T" "A" "C" "G" "A" "C" " " "T" "A" "T" "T" "G" "T" "A" "T" "A"
   [26209] "C" "C" "T" "T" "A" "C" "A" "A" "T" "A" "G" "T" "G" "T" "A" "A" "C" "T"
##
   [26227] "T" "C" "T" "T" "C" "A" "A" "T" "T" "G" "T" "C" "A" "T" "T" "A" "C" "T"
## [26245] "T" "C" "A" "G" "G" "T" "G" "A" "T" "G" "G" "C" "A" "C" "A" "A" "C" "A"
    [26263] "A" "G" "T" "C" "C" "T" "A" " " "T" "T" "T" "C" "T" "G" "A" "A" "C" "A"
## [26281] "T" "G" "A" "C" "T" "A" "C" "C" "A" "G" "A" "T" "T" "G" "G" "T" "G" "G"
## [26299] "T" "T" "A" "T" "A" "C" "T" "G" "A" "A" "A" "A" "A" "T" "G" "G" "G" "A"
## [26317] "A" "T" "C" "T" "G" "G" "A" "G" "T" "A" "A" "A" "A" "A" "G" "A" "C" "T" "G"
              "T" "G" "T" "T" "G" "T" " " "A" "T" "T" "A" "C" "A" "C" "A" "G" "A" "G" "T" "T"
    [26335]
   [26353] "A" "C" "T" "T" "C" "A" "C" "T" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T"
   [26371] "A" "C" "C" "A" "G" "C" "T" "G" "T" "A" "C" "T" "C" "A" "A" "C" "T" "C"
## [26389] "A" "A" "T" "T" "G" "A" "G" "T" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "T" "G"
## [26407] "G" "T" "G" "T" "T" " " "G" "A" "A" "C" "A" "T" "G" "T" "T" "A" "C" "C"
## [26443] "A" "T" "T" "G" "T" "T" "G" "A" "T" "G" "A" "G" "C" "C" "T" "G" "A" "A"
## [26461] "G" "A" "A" "C" "A" "T" "G" "T" "C" "C" "A" "A" "A" "T" "T" "C" "A" "C"
## [26479] "A" "C" "A" "A" " " "T" "C" "G" "A" "C" "G" "G" "T" "T" "C" "A" "T" "C"
   [26497] "C" "G" "G" "A" "G" "T" "T" "G" "T" "T" "A" "A" "T" "C" "C" "A" "G" "T"
## [26515] "A" "A" "T" "G" "G" "A" "A" "C" "C" "A" "A" "T" "T" "T" "A" "T" "G" "A"
    [26533] "T" "G" "A" "A" "C" "C" "G" "A" "G" "A" "C" "G" "G" "A" "C" "G" "G" "G" "A" "C" "G" "G
## [26551] "T" "A" "G" " " "C" "G" "T" "G" "C" "C" "T" "T" "T" "G" "T" "A" "A" "G"
## [26569] "C" "A" "C" "A" "A" "G" "C" "T" "G" "A" "T" "G" "A" "G" "T" "A" "C" "G"
## [26587] "A" "A" "C" "T" "T" "A" "T" "G" "T" "A" "C" "T" "C" "A" "T" "T" "C" "G"
              "T" "T" "T" "C" "G" "G" "A" "A" "G" "A" "G" "A" "C" "A" "G" "G" "T" "A"
    [26605]
    [26623] "C" "G" " "T" "T" "A" "A" "T" "A" "G" "T" "T" "A" "A" "T" "A" "G" "C"
    [26659] "T" "T" "C" "G" "T" "G" "G" "T" "A" "T" "T" "C" "T" "T" "G" "C" "T" "A"
              "G" "T" "T" "A" "C" "A" "C" "T" "A" "G" "C" "C" "A" "T" "C" "C" "T" "T"
    [26677]
## [26695] "A" " "C" "T" "G" "C" "G" "C" "T" "T" "C" "G" "A" "T" "T" "G" "T" "G"
## [26713] "T" "G" "C" "G" "T" "A" "C" "T" "G" "C" "T" "G" "C" "A" "A" "T" "A" "T"
## [26731] "T" "G" "T" "T" "A" "A" "C" "G" "T" "G" "A" "G" "T" "C" "T" "T" "G" "T"
```

```
[26767] " " "T" "A" "A" "C" "T" "C" "T" "C" "G" "T" "G" "T" "T" "A" "A" "A" "A"
  [26785] "A" "T" "C" "T" "G" "A" "A" "T" "T" "C" "T" "T" "C" "T" "A" "G" "A" "G"
  [26803] "T" "T" "C" "C" "T" "G" "A" "T" "C" "T" "T" "C" "T" "G" "G" "T" "C" "T"
## [26839] "T" "A" "T" "T" "A" "G" "T" "T" "T" "T" "T" "C" "T" "G" "T" "T" "T" "G"
## [26857] "G" "A" "A" "C" "T" "T" "T" "A" "A" "T" "T" "T" "T" "A" "G" "C" "C" "A"
## [26875] "T" "G" "G" "C" "A" "G" "A" "T" "T" "C" "C" "A" "A" "C" "G" "G" "T" "A"
  [26893] "C" "T" "A" "T" "T" "A" "C" "C" "G" "T" "T" "G" "A" "A" "G" "A" " " "G"
  [26911] "C" "T" "T" "A" "A" "A" "A" "A" "G" "C" "T" "C" "C" "T" "T" "G" "A" "A"
  [26929] "C" "A" "A" "T" "G" "G" "A" "A" "C" "C" "T" "A" "G" "T" "A" "A" "A" "T" "A"
## [26947] "G" "G" "T" "T" "T" "C" "C" "T" "A" "T" "T" "C" "C" "T" "A" "C" "A"
## [26965] "T" "G" "G" "A" "T" "T" "T" "G" "T" "C" "T" "C" "T" "A" " " "C" "A"
## [26983] "A" "T" "T" "T" "G" "C" "C" "T" "A" "T" "G" "C" "C" "A" "A" "C" "A" "G"
## [27001] "G" "A" "A" "T" "A" "G" "G" "T" "T" "T" "T" "T" "G" "T" "A" "T" "A" "T"
## [27019] "A" "A" "T" "T" "A" "A" "G" "T" "T" "A" "A" "T" "T" "T" "T" "T" "C" "C" "T"
  [27037] "C" "T" "G" "G" "C" "T" "G" "T" "T" "A" "T" "G" "G" "G" "C" " "C" "A" "G"
## [27055] "T" "A" "A" "C" "T" "T" "T" "A" "G" "C" "T" "T" "G" "T" "T" "T" "T" "G"
## [27073] "T" "G" "C" "T" "T" "G" "C" "T" "G" "C" "T" "G" "T" "T" "T" "A" "C" "A"
## [27091] "G" "A" "A" "T" "A" "A" "T" "T" "G" "G" "A" "T" "C" "A" "C" "C" "G"
## [27109] "G" "T" "G" "G" "A" "A" "T" "T" "G" "C" "T" "A" "Y" " " "C" "G" "C" "A"
## [27127] "A" "T" "G" "G" "C" "T" "T" "G" "T" "C" "T" "T" "G" "T" "A" "G" "G" "C"
## [27145] "T" "T" "G" "A" "T" "G" "T" "G" "C" "T" "C" "A" "G" "C" "T" "A" "C"
## [27163] "T" "T" "C" "A" "T" "T" "G" "C" "T" "T" "C" "T" "T" "T" "C" "A" "G" "A"
## [27181] "C" "T" "G" "T" "T" "T" "G" "C" "G" "C" "G" "T" " " "A" "C" "G" "C" "G"
  [27199] "T" "T" "C" "C" "A" "T" "G" "T" "G" "G" "T" "C" "A" "T" "T" "C" "A" "A"
## [27217] "T" "C" "C" "A" "G" "A" "A" "A" "C" "T" "A" "A" "C" "A" "T" "T" "C" "T"
## [27235] "T" "C" "T" "C" "A" "A" "C" "G" "T" "G" "C" "A" "C" "T" "C" "C" "A"
## [27253] "T" "G" "G" "C" "A" "C" "T" "A" "T" "T" "C" " " "T" "G" "A" "C" "C" "A"
## [27271] "G" "A" "C" "C" "G" "C" "T" "T" "C" "T" "A" "G" "A" "A" "A" "G" "T" "G"
## [27289] "A" "A" "C" "T" "C" "G" "T" "A" "A" "T" "C" "G" "G" "A" "G" "C" "T" "G"
  [27307] "T" "G" "A" "T" "C" "C" "T" "T" "C" "G" "T" "G" "G" "A" "C" "A" "T" "C"
## [27325] "T" "T" "C" "G" "T" "A" "T" "T" "G" "C" " " "T" "G" "G" "A" "C" "A" "C"
## [27343] "C" "A" "T" "C" "T" "A" "G" "G" "A" "C" "G" "C" "T" "G" "T" "G" "A" "C"
## [27361] "A" "T" "C" "A" "A" "G" "G" "A" "C" "C" "T" "G" "C" "C" "T" "A" "A" "A" "A"
## [27379] "G" "A" "A" "A" "T" "C" "A" "C" "T" "G" "T" "T" "G" "C" "T" "A" "C" "A"
## [27397] "T" "C" "A" "C" "G" "A" "A" "C" "G" " " "C" "T" "T" "T" "T" "C" "T" "T" "A"
## [27415] "T" "T" "A" "C" "A" "A" "A" "T" "T" "G" "G" "G" "A" "G" "C" "T" "T" "C"
## [27433] "G" "C" "A" "G" "C" "G" "T" "G" "T" "A" "G" "C" "A" "G" "G" "T" "G" "A"
## [27451] "C" "T" "C" "A" "G" "G" "T" "T" "T" "T" "G" "C" "T" "G" "C" "A" "T" "A"
## [27469] "C" "A" "G" "T" "C" "G" "C" "T" " "A" "C" "A" "G" "G" "A" "T" "T" "G"
## [27505] "C" "A" "G" "A" "C" "C" "A" "T" "T" "C" "C" "A" "G" "T" "A" "G" "C" "A"
## [27523] "G" "T" "G" "A" "C" "A" "A" "T" "A" "T" "T" "G" "C" "T" "T" "T" "G" "C"
## [27541] "T" "T" "G" "T" "A" "C" "A" " "G" "T" "A" "G" "T" "G" "T" "G" "A" "C" "A"
## [27559] "A" "C" "A" "G" "A" "T" "G" "T" "T" "T" "C" "A" "T" "C" "T" "C" "G" "T"
         "T" "G" "A" "C" "T" "T" "T" "C" "A" "G" "G" "T" "T" "A" "C" "T" "A" "T"
  [27577]
## [27595] "A" "G" "C" "A" "G" "A" "G" "A" "T" "A" "T" "A" "T" "A" "C" "T" "A" "A" "T"
  [27613] "T" "A" "T" "T" "A" "T" " " "G" "A" "G" "A" "C" "T" "T" "T" "T" "A"
## [27631] "A" "A" "G" "T" "T" "T" "C" "C" "A" "T" "T" "T" "G" "G" "A" "A" "T" "C"
         "T" "T" "G" "A" "T" "T" "A" "C" "A" "T" "C" "A" "T" "A" "A" "A" "A" "C" "C"
## [27649]
## [27685] "C" "T" "A" "A" "G" " " "T" "C" "A" "C" "T" "A" "A" "C" "T" "G" "A" "G"
```

```
## [27721] "G" "A" "T" "G" "A" "A" "G" "A" "G" "C" "A" "A" "C" "C" "A" "A" "T" "G"
   [27739] "G" "A" "G" "A" "T" "T" "G" "A" "T" "T" "A" "A" "A" "C" "G" "A" "A" "C"
[27775] "C" "T" "T" "G" "G" "C" "A" "C" "T" "G" "A" "T" "A" "A" "A" "C" "A" "C" "A" "C" "T"
## [27793] "C" "G" "C" "T" "A" "C" "T" "T" "G" "T" "G" "A" "G" "C" "T" "T" "T" "A"
## [27811] "T" "C" "A" "C" "T" "A" "C" "C" "A" "A" "G" "A" "G" "T" "G" "T" "G" "T"
## [27829] "T" "A" "G" " "A" "G" "G" "T" "A" "C" "A" "A" "C" "A" "G" "T" "A" "C"
## [27847] "T" "T" "T" "T" "A" "A" "A" "A" "G" "A" "A" "C" "C" "T" "T" "G" "C" "T"
  [27865] "C" "T" "T" "C" "T" "G" "G" "A" "A" "C" "A" "T" "A" "C" "G" "A" "G" "G"
  [27883] "G" "C" "A" "A" "T" "T" "C" "A" "C" "C" "A" "T" "T" "T" "T" "C" "A" "T" "C"
  [27901] "C" "T" " "C" "T" "A" "G" "C" "T" "G" "A" "T" "A" "A" "C" "A" "A" "A" "A"
## [27919] "T" "T" "G" "C" "A" "C" "T" "G" "A" "C" "T" "T" "G" "C" "T" "T" "T"
  [27937] "A" "G" "C" "A" "C" "T" "C" "A" "A" "T" "T" "T" "G" "C" "T" "T" "T" "T"
## [27955] "G" "C" "T" "T" "G" "T" "C" "C" "T" "G" "A" "C" "G" "G" "C" "G" "T" "A"
## [27973] "A" " " "A" "A" "C" "A" "C" "G" "T" "C" "T" "A" "T" "C" "A" "G" "T" "T"
## [27991] "A" "C" "G" "T" "G" "C" "C" "A" "G" "A" "T" "C" "A" "G" "C" "T" "T" "C"
  [28009] "A" "C" "C" "T" "A" "A" "A" "C" "T" "G" "T" "C" "A" "T" "C" "A" "G"
  [28027] "A" "C" "A" "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "C" "A" "A" "G" "A"
  [28045] " " "A" "C" "T" "T" "T" "A" "C" "T" "C" "T" "C" "T" "A" "A" "A" "T" "T" "T"
## [28063] "T" "T" "C" "T" "T" "A" "T" "T" "G" "T" "T" "G" "C" "G" "G" "C" "A" "A"
## [28081] "T" "A" "G" "T" "G" "T" "T" "T" "A" "A" "A" "C" "A" "C" "T" "T" "T"
## [28099] "G" "C" "T" "T" "C" "A" "C" "A" "C" "T" "C" "A" "A" "A" "A" "A" "G" "A" "
## [28117] "A" "A" "G" "A" "C" "A" "G" "A" "T" "G" "A" "T" "T" "G" "A" "T" "T" "G" "A" "A" "C"
## [28135] "T" "T" "T" "C" "A" "T" "T" "A" "A" "T" "T" "G" "A" "C" "T" "T" "C" "T"
  [28153] "A" "T" "T" "T" "G" "T" "G" "C" "T" "T" "T" "T" "T" "A" "G" "C" "C" "T"
##
  [28171] "T" "T" "C" "T" "G" "C" "T" "A" "T" "T" "C" "C" "T" "T" "G" "T" " " "T"
## [28189] "T" "T" "A" "A" "T" "T" "A" "T" "G" "C" "T" "T" "A" "T" "T" "A" "T" "C"
   [28207] "T" "T" "T" "G" "G" "T" "T" "C" "T" "C" "A" "C" "T" "T" "G" "A" "A"
## [28225] "C" "T" "G" "C" "A" "A" "G" "A" "T" "C" "A" "T" "A" "A" "T" "G" "A" "A"
## [28243] "A" "T" "T" "T" "G" "T" "C" "A" "C" "G" "C" "C" "T" "A" "A" " " "A" "C"
## [28261] "G" "A" "A" "C" "A" "T" "G" "A" "A" "A" "T" "T" "T" "C" "T" "T" "G" "T"
          "T" "T" "T" "C" "T" "T" "A" "G" "G" "A" "A" "T" "C" "A" "T" "C" "A" "C"
  [28279]
## [28297] "A" "A" "C" "T" "G" "T" "A" "G" "C" "T" "G" "C" "A" "T" "T" "T" "C" "A"
## [28315] "C" "C" "A" "A" "G" "A" "A" "T" "G" "T" "A" "G" "T" "T" " "T" "A" "C"
## [28333] "A" "G" "T" "C" "A" "T" "G" "T" "A" "C" "T" "C" "A" "A" "C" "A" "T" "C"
## [28351] "A" "A" "C" "C" "A" "T" "A" "T" "G" "T" "A" "G" "T" "T" "G" "A" "T" "G"
## [28369] "A" "C" "C" "C" "G" "T" "G" "T" "C" "C" "T" "A" "T" "T" "C" "A" "C" "T"
## [28387] "T" "C" "T" "A" "T" "C" "T" "A" "A" "A" "A" "T" "G" " " "G" "T" "A" "T"
## [28405] "A" "T" "T" "A" "G" "A" "G" "T" "A" "G" "G" "A" "G" "C" "T" "A" "G" "A"
## [28423] "A" "A" "A" "T" "C" "A" "G" "C" "A" "C" "C" "T" "T" "T" "A" "A" "T" "T"
## [28441] "G" "A" "A" "T" "T" "G" "T" "G" "C" "G" "T" "G" "G" "A" "T" "G" "A" "G"
## [28459] "G" "C" "T" "G" "G" "T" "T" "C" "T" "A" "A" "A" " " " "T" "C" "A" "C" "C"
## [28477] "C" "A" "T" "T" "C" "A" "G" "T" "A" "C" "A" "T" "C" "G" "A" "T" "A" "T"
## [28495] "C" "G" "G" "T" "A" "A" "T" "T" "A" "T" "A" "C" "A" "G" "T" "T" "T" "C"
## [28513] "C" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "T" "T" "A" "C" "A" "A" "T"
## [28531] "T" "A" "A" "T" "T" "G" "C" "C" "A" "G" "G" " " "A" "A" "C" "C" "T" "A"
          "A" "A" "T" "T" "G" "G" "G" "T" "A" "G" "T" "C" "T" "T" "G" "T" "A" "G"
   [28549]
  [28567] "T" "G" "C" "G" "T" "T" "G" "T" "T" "C" "G" "T" "T" "C" "G" "T" "A" "T" "G"
  [28585] "A" "A" "G" "A" "C" "T" "T" "T" "T" "T" "A" "G" "A" "G" "T" "A" "T" "C"
## [28603] "A" "T" "G" "A" "C" "G" "T" "T" "C" "G" " " "T" "G" "T" "T" "G" "T" "T"
          "T" "T" "A" "G" "A" "T" "T" "T" "A" "A" "T" "C" "T" "A" "A" "A" "A" "C" "G"
  [28621]
## [28639] "A" "A" "C" "A" "A" "C" "T" "N" "A" "A" "A" "T" "G" "T" "C" "T" "G"
## [28657] "A" "T" "A" "A" "T" "G" "G" "A" "C" "C" "C" "A" "A" "A" "A" "A" "T" "C"
## [28675] "A" "G" "C" "G" "A" "A" "A" "T" "G" " " "C" "A" "C" "C" "C" "C" "C" "G" "C"
```

```
## [28693] "A" "T" "T" "A" "C" "G" "T" "T" "T" "G" "G" "T" "G" "G" "A" "C" "C" "C"
   [28711] "T" "C" "A" "G" "A" "T" "T" "C" "A" "A" "C" "T" "G" "G" "G" "C" "A" "G" "T"
  [28729] "A" "A" "C" "C" "A" "G" "A" "A" "T" "G" "G" "A" "G" "A" "A" "C" "G" "C"
  [28747] "A" "G" "T" "G" "G" "G" "G" "C" " " "G" "C" "G" "A" "T" "C" "A" "A" "A"
  [28765] "A" "C" "A" "A" "C" "G" "T" "C" "G" "G" "C" "C" "C" "C" "C" "A" "A" "G" "G"
## [28783] "T" "T" "A" "C" "C" "C" "A" "A" "T" "A" "A" "T" "A" "C" "T" "G" "C"
## [28801] "G" "T" "C" "T" "T" "G" "G" "T" "T" "C" "A" "C" "C" "G" "C" "T" "C" "T"
## [28819] "C" "A" "C" "T" "C" "A" "A" " " "C" "A" "T" "G" "G" "C" "A" "A" "A" "G" "G"
  [28837] "A" "A" "G" "G" "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "C" "T" "C"
  [28855] "G" "A" "G" "G" "A" "C" "A" "A" "G" "G" "C" "G" "T" "T" "C" "C" "A" "A"
  [28873] "T" "T" "A" "A" "C" "A" "C" "C" "A" "A" "T" "A" "G" "C" "A" "G" "T" "C"
## [28891] "C" "A" "G" "A" "T" "G" " " "A" "C" "C" "A" "A" "A" "T" "T" "G" "G" "C"
  [28909] "T" "A" "C" "T" "A" "C" "C" "G" "A" "A" "G" "A" "G" "C" "T" "A" "C" "C"
## [28927] "A" "G" "A" "C" "G" "A" "A" "T" "T" "C" "G" "T" "G" "G" "T" "G" "G" "T"
## [28945] "G" "A" "C" "G" "G" "T" "A" "A" "A" "A" "T" "G" "A" "A" "A" "A" "T"
## [28963] "C" "T" "C" "A" "G" " " "T" "C" "C" "A" "A" "G" "A" "T" "G" "G" "T" "A"
  [28981]
          "T" "T" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A" "G" "G" "A" "A" "G"
  [28999] "T" "G" "G" "G" "C" "C" "A" "G" "A" "A" "G" "C" "T" "G" "G" "A" "C" "T"
  [29017] "T" "C" "C" "C" "T" "A" "T" "G" "G" "T" "G" "C" "T" "A" "A" "C" "A" "A"
## [29035] "A" "G" "A" "C" " " "G" "G" "C" "A" "T" "C" "A" "T" "A" "T" "G" "G" "G"
## [29053] "T" "T" "G" "C" "A" "A" "C" "T" "G" "A" "G" "G" "A" "G" "C" "C" "T"
## [29071] "T" "G" "A" "A" "T" "A" "C" "A" "C" "A" "A" "A" "A" "A" "G" "A" "T" "C"
## [29089] "A" "C" "A" "T" "T" "G" "G" "C" "A" "C" "C" "C" "G" "C" "A" "A" "T" "C"
## [29107] "C" "T" "G" " " "C" "T" "A" "A" "C" "A" "A" "T" "G" "C" "T" "G" "C" "A"
  [29125] "A" "T" "C" "G" "T" "G" "C" "T" "A" "C" "A" "A" "C" "T" "T" "C" "C" "T"
  [29143] "C" "A" "A" "G" "G" "A" "A" "C" "A" "A" "C" "A" "T" "T" "G" "C" "C" "A"
## [29161] "A" "A" "A" "G" "G" "C" "T" "T" "C" "T" "A" "C" "G" "C" "A" "G" "A" "A"
  ## [29197] "T" "C" "A" "A" "G" "C" "C" "T" "C" "T" "T" "C" "T" "C" "T" "C" "T" "C" "G" "T" "T" "C"
## [29215] "C" "T" "C" "A" "T" "C" "A" "C" "G" "T" "A" "G" "T" "C" "G" "C" "A" "A"
## [29233] "C" "A" "G" "T" "T" "C" "A" "A" "G" "A" "A" "A" "T" "T" "C" "A" "A" "C"
  [29251] "T" " " "C" "C" "A" "G" "G" "C" "A" "G" "C" "A" "G" "T" "A" "T" "G" "G"
## [29269] "G" "A" "A" "C" "T" "T" "C" "T" "C" "T" "G" "C" "T" "A" "G" "A" "A"
## [29287] "T" "G" "G" "C" "T" "G" "G" "C" "A" "A" "T" "G" "G" "C" "T" "G" "T" "G"
## [29305] "A" "T" "G" "C" "T" "G" "C" "T" "C" "T" "T" "G" "C" "T" "T" "T" "T" "G" "C"
## [29323] " " "T" "G" "C" "T" "G" "C" "T" "G" "A" "G" "A" "G" "A" "T" "T" "G"
## [29341] "A" "A" "C" "C" "A" "G" "C" "T" "T" "G" "A" "G" "A" "G" "C" "A" "A" "A" "A"
## [29359] "A" "T" "G" "T" "C" "T" "G" "G" "T" "A" "A" "A" "G" "G" "C" "C" "A" "A"
## [29377] "C" "A" "A" "C" "A" "A" "C" "A" "G" "G" "C" "C" "A" "A" "A" "C" "
  [29395] "T" "G" "T" "C" "A" "C" "T" "A" "A" "G" "A" "A" "A" "A" "T" "C" "T" "G" "C"
##
## [29413] "T" "G" "C" "T" "G" "A" "G" "G" "C" "T" "T" "C" "T" "A" "A" "G" "A" "A"
## [29431] "G" "C" "C" "T" "C" "G" "G" "C" "A" "A" "A" "A" "A" "C" "G" "T" "A" "C"
## [29449] "T" "G" "C" "C" "A" "C" "T" "A" "A" "A" "G" "C" "A" "T" "A" "C" " " "A"
## [29467] "A" "T" "G" "T" "A" "A" "C" "A" "C" "A" "G" "C" "T" "T" "T" "C" "G"
## [29485] "G" "C" "A" "G" "A" "C" "G" "T" "G" "G" "T" "C" "C" "A" "G" "A" "A" "C"
## [29503] "A" "A" "A" "C" "C" "C" "A" "A" "G" "G" "A" "A" "A" "T" "T" "T" "T" "T" "G"
          "G" "G" "G" "A" "C" "C" "A" "G" "G" "A" "A" "C" "T" "A" "A" "A" "C"
  [29521]
  [29539] "A" "G" "A" "C" "A" "A" "G" "G" "A" "A" "C" "T" "G" "A" "T" "T" "A" "C"
  [29557] "A" "A" "A" "C" "A" "T" "T" "G" "G" "C" "C" "G" "C" "A" "A" "A" "T" "T"
## [29575] "G" "C" "A" "C" "A" "A" "T" "T" "T" "G" "C" "C" "C" "C" "C" "A" "G" "C"
          [29593]
## [29611] "A" "A" "T" "G" "T" "C" "G" "C" "G" "C" "A" "T" "T" "G" "G" "C" "A" "T"
## [29629] "G" "G" "A" "A" "G" "T" "C" "A" "C" "A" "C" "T" "T" "T" "C" "G" "G" "G"
## [29647] "A" "A" "C" "G" "T" "G" "G" "T" "T" "G" "A" "C" "C" "T" "A" "C" "A" "C"
```

```
## [29665] "A" "G" "G" "T" "G" "C" "C" "A" "T" "C" "A" "A" "A" "A" " "T" "T" "G" "G"
  [29683] "A" "T" "G" "A" "C" "A" "A" "A" "G" "A" "T" "C" "C" "A" "A" "A" "T" "T"
  [29701] "T" "C" "A" "A" "A" "G" "A" "T" "C" "A" "A" "G" "T" "C" "A" "T" "T" "T"
## [29719] "T" "G" "C" "T" "G" "A" "A" "T" "A" "G" "C" "A" "T" "A" "T" "T" "G"
## [29737] "A" "C" "G" "C" "A" "T" "A" "C" "A" "A" "A" "A" " " " "C" "A" "T" "T" "C"
## [29755] "C" "C" "A" "C" "C" "A" "A" "C" "A" "G" "A" "G" "C" "C" "T" "A" "A" "A" "A"
## [29773] "A" "A" "G" "G" "A" "C" "A" "A" "A" "A" "G" "A" "A" "G" "A" "G" "A" "G"
## [29791] "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "C" "T" "C" "A" "A" "G" "C" "C"
## [29809] "T" "T" "A" "C" "C" "G" "C" "A" "G" "A" "G" " " "A" "C" "A" "G" "A" "A"
## [29827] "G" "A" "A" "A" "C" "A" "G" "C" "A" "A" "A" "C" "T" "G" "T" "G" "A" "C"
## [29845] "T" "C" "T" "T" "C" "T" "T" "C" "C" "T" "G" "C" "T" "G" "C" "A" "G" "A"
## [29863] "T" "T" "T" "G" "G" "A" "T" "G" "A" "T" "T" "T" "C" "T" "C" "C" "A" "A"
## [29881] "A" "C" "A" "A" "T" "T" "G" "C" "A" "A" " " "C" "A" "A" "T" "C" "C" "A"
## [29899] "T" "G" "A" "G" "C" "A" "G" "T" "G" "C" "T" "G" "A" "C" "T" "C" "A" "A"
## [29917] "C" "T" "C" "A" "G" "G" "C" "C" "T" "A" "A" "A" "C" "T" "C" "A" "T" "G"
## [29971] "T" "T" "C" "G" "C" "T" "T" "T" "T" "C" "C" "G" "T" "T" "T" "A" "C" "G"
## [29989] "A" "T" "A" "T" "A" "T" "A" "G" "T" "C" "T" "A" "C" "T" "C" "T" "T" "G"
## [30007] "T" "G" "C" "A" "G" "A" "A" "T" "G" "A" "A" "T" "T" "C" "T" "C" "G" "T"
## [30025] "A" "A" "C" "T" "A" "C" "A" "T" " "A" "G" "C" "A" "C" "A" "A" "G" "T"
## [30043] "A" "G" "A" "T" "G" "T" "A" "G" "T" "A" "A" "A" "C" "T" "T" "T" "A" "A"
## [30061] "T" "C" "T" "C" "A" "C" "A" "T" "A" "G" "C" "A" "A" "T" "C" "T" "T" "T"
## [30079] "A" "A" "T" "C" "A" "G" "T" "G" "T" "G" "T" "A" "A" "C" "A" "T" "T" "A"
## [30097] "G" "G" "A" "G" "G" "A" " " "C" "T" "T" "G" "A" "A" "A" "A" "G" "A" "G"
## [30115] "C" "C" "A" "C" "C" "A" "C" "A" "T" "T" "T" "T" "T" "C" "A" "C" "C" "G" "A"
## [30133] "G" "G" "C" "C" "A" "C" "T" "C" "G" "G" "A" "G" "T" "A" "C" "G" "A" "T"
## [30151] "C" "G" "A" "G" "T" "G" "T" "A" "C" "A" "G" "T" "G" "A" "A" "C" "A" "A"
## [30169] "T" "G" "C" "T" "A" "G" " " "G" "G" "A" "G" "A" "G" "C" "T" "G" "C" "C"
## [30187] "T" "A" "T" "A" "T" "G" "G" "A" "A" "G" "A" "G" "C" "C" "C" "T" "A" "A"
## [30223] "G" "T" "A" "G" "T" "G" "C" "T" "A" "T" "C" "C" "C" "C" "A" "T" "G" "T"
## [30241] "G" "A" "T" "T" "T" " "T" "A" "A" "T" "A" "G" "C" "T" "T" "C" "T" "T"
## [30259] "A" "G" "G" "A" " "
print(paste("Longitud de secuencia"))
## [1] "Longitud de secuencia"
lengthDelta
## [1] 30263
print(paste("Porcentaje de GC en secuencia"))
## [1] "Porcentaje de GC en secuencia"
percentageGC_Delta
## [1] "GC : 37.3756732643822%"
print(paste("Porcentaje de Bases en secuencia"))
## [1] "Porcentaje de Bases en secuencia"
percentageBasesDelta
```

## [1] 29.85165 18.33591 19.62811 32.18433

## [1] "Secuencia al reves"

print(reverseDelta)

```
[1] " " "A" "G" "G" "A" "T" "T" "C" "T" "T" "C" "G" "A" "T" "A" "A" "T" " "
      [19] "T" "T" "T" "A" "G" "T" "G" "T" "A" "C" "C" "C" "C" "T" "A" "T" "G"
##
      ##
      [55] "T" "G" "T" "G" "T" "A" "A" "T" "C" "C" "C" "G" "A" "G" "A" "A" "G" "G"
     [73] "T" "A" "T" "A" "T" "C" "C" "G" "T" "C" "G" "A" "G" "A" "G" "G" " " " "G"
##
     [91] "A" "T" "C" "G" "T" "A" "A" "C" "A" "G" "T" "G" "A" "C" "A" "T" "G"
##
     [109] "T" "G" "A" "G" "C" "T" "A" "G" "C" "A" "T" "G" "A" "G" "G" "C" "T" "C"
##
##
     [127] "A" "C" "C" "G" "G" "A" "G" "C" "C" "A" "C" "T" "T" "T" "T" "A" "C" "A"
     [145] "C" "C" "A" "C" "C" "G" "A" "G" "A" "A" "A" "G" "T" "T" "C" " " "A" "G"
     [163] "G" "A" "G" "G" "G" "A" "T" "T" "A" "C" "A" "A" "T" "G" "T" "G" "T" "G"
##
     [181] "A" "C" "T" "A" "A" "T" "T" "T" "C" "T" "A" "A" "C" "G" "A" "T" "A" "C"
##
     [199] "A" "C" "T" "C" "T" "A" "A" "T" "T" "T" "C" "A" "A" "T" "T" "G" "A" "T"
##
##
     [217] "G" "T" "A" "G" "A" "T" "G" "A" "A" "C" "A" "C" "G" "A" " " " "T" "A" "C"
     [235] "A" "T" "C" "A" "A" "T" "G" "C" "T" "C" "T" "T" "A" "A" "G" "T" "A" "A"
##
     [253] "G" "A" "C" "G" "T" "G" "T" "T" "C" "T" "C" "A" "T" "C" "T" "G" "A" "T"
##
     [271] "A" "T" "A" "T" "A" "G" "C" "A" "T" "T" "T" "G" "C" "C" "T" "T" "T" "T"
##
     [289] "C" "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "A" "T" " " " "A" "T" "A" "T"
##
     [307] "C" "G" "G" "G" "T" "A" "G" "A" "C" "G" "G" "A" "A" "C" "A" "C" "A" "C" "A" "C"
##
     [325] "C" "A" "G" "A" "C" "G" "T" "A" "C" "T" "C" "A" "A" "A" "A" "T" "C" "C" "G"
##
     [343] "G" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "G" "T" "C" "G" "T" "G" "A"
##
     ##
     [379] "T" "A" "A" "C" "A" "A" "A" "C" "C" "T" "C" "T" "T" "T" "A" "G" "T" "A"
##
     [397] "G" "G" "T" "T" "T" "A" "G" "A" "C" "G" "T" "C" "G" "T" "C" "C" "T" "T"
##
##
     [415] "C" "T" "T" "C" "T" "C" "A" "G" "T" "G" "T" "C" "A" "A" "A" "C" "G" "A"
     ##
     [451] "C" "C" "A" "T" "T" "C" "C" "G" "A" "A" "C" "T" "C" "A" "A" "A" "A" "T"
##
     ##
     [487] "A" "G" "G" "A" "A" "A" "A" "A" "T" "C" "C" "G" "A" "G" "A" "C" "A" "A"
##
     [505] "C" "C" "A" "C" "C" "C" "T" "T" "A" "C" " " "A" "A" "A" "A" "A" "C" "A" "T"
##
     [523] "A" "C" "G" "C" "A" "G" "T" "T" "A" "T" "A" "C" "G" "A" "A" "T" "A" "A"
##
     [541] "G" "T" "C" "G" "T" "T" "T" "T" "A" "C" "T" "G" "A" "A" "C" "T" "A" "G"
##
     [559] "A" "A" "A" "C" "T" "T" "T" "A" "A" "A" "C" "C" "T" "A" "G" "A" "A" "A" "A"
##
     [577] "C" "A" "G" "T" "A" "G" "G" "T" "T" " " "A" "A" "A" "C" "T" "A" "C" "C"
##
     [595] "G" "T" "G" "G" "A" "C" "A" "C" "A" "T" "C" "A" "T" "C" "A" "G" "T" "T" "G" "G"
##
     [613] "T" "G" "C" "A" "A" "G" "G" "G" "C" "T" "T" "C" "C" "A" "C" "A" "C" "T"
##
     [631] "G" "A" "A" "G" "G" "T" "A" "C" "G" "G" "T" "T" "A" "C" "G" "C" "G" "C"
##
     [649] "T" "G" "T" "A" "A" "G" "G" "C" " " "T" "T" "C" "T" "T" "G" "C" "G" "A"
##
     [667] "C" "T" "T" "C" "G" "C" "G" "A" "C" "C" "C" "C" "C" "G" "T" "T" "T" "A"
##
     [685] "A" "C" "A" "C" "G" "T" "T" "A" "A" "A" "C" "G" "C" "C" "G" "G" "T" "T"
##
     [703] "A" "C" "A" "A" "A" "C" "A" "T" "T" "A" "G" "T" "C" "A" "A" "G" "G" "A"
##
     [721] "A" "C" "A" "G" "A" "C" "T" " " "A" "A" "T" "C" "A" "A" "G" "G" "A" "C"
##
     [739] "C" "A" "G" "G" "G" "G" "T" "T" "T" "T" "A" "A" "A" "G" "G" "A" "A" "C"
##
     [757] "C" "C" "A" "A" "A" "C" "A" "A" "G" "A" "C" "C" "T" "G" "G" "T" "G" "C"
     [775] "A" "G" "A" "C" "G" "G" "C" "T" "T" "T" "C" "G" "A" "A" "C" "A" "C" "A"
##
##
     [793] "A" "T" "G" "T" "A" "A" " " "C" "A" "T" "A" "C" "G" "A" "A" "A" "A" "C"
     [811] "A" "C" "C" "G" "T" "C" "A" "T" "G" "C" "A" "A" "A" "A" "A" "A" "C" "G" "G"
##
     [829] "C" "T" "C" "C" "G" "A" "A" "G" "A" "A" "T" "C" "T" "T" "C" "G" "G" "A"
##
     [847] "G" "T" "C" "G" "T" "C" "G" "T" "C" "T" "A" "A" "A" "G" "A" "A" "T" "C"
##
```

```
[865] "A" "C" "T" "G" "T" " " "C" "A" "A" "A" "C" "C" "G" "G" "A" "A" "C" "A"
##
     [883] "A" "C" "A" "A" "C" "A" "A" "C" "C" "G" "G" "A" "A" "A" "A" "T" "G" "G" "T"
##
     [901] "C" "T" "G" "T" "A" "A" "A" "A" "C" "G" "A" "G" "A" "G" "T" "T" "C" "G"
##
##
     [919] "A" "C" "C" "A" "A" "A" "G" "T" "T" "A" "G" "A" "C" "A" "G" "T" "T" "T" "C" "G"
     [937] "T" "C" "G" "T" " " "C" "G" "T" "T" "T" "C" "G" "T" "T" "C" "T" "C" "G"
##
     [955] "T" "C" "G" "T" "A" "G" "T" "G" "T" "C" "G" "G" "T" "A" "A" "C" "G" "G"
##
     [973] "T" "C" "G" "G" "T" "A" "A" "A" "T" "C" "G" "T" "C" "C" "T"
##
    [991] "T" "C" "A" "A" "G" "G" "G" "T" "A" "T" "G" "A" "C" "G" "A" "C" "G" "G"
##
    [1009] "A" "C" "C" " " "T" "C" "A" "A" "C" "T" "T" "A" "A" "A" "A" "G" "A" "A" "C"
##
    [1027] "T" "T" "G" "A" "C" "A" "A" "C" "G" "C" "T" "G" "A" "T" "G" "C" "A" "C"
##
    [1063] "G" "A" "A" "C" "T" "G" "A" "C" "G" "G" "C" "G" "G" "A" "G" "A" "C" "G"
    [1081] "A" "G" " " "G" "G" "A" "A" "G" "A" "C" "G" "C" "A" "T" "C" "T" "T" "C"
    [1099] "G" "G" "A" "A" "A" "A" "C" "C" "G" "T" "T" "A" "C" "A" "A" "C" "A" "A" "A"
##
    [1117] "G" "G" "A" "A" "C" "T" "C" "C" "T" "T" "C" "A" "A" "C" "A" "T" "C" "G"
    [1135] "T" "G" "C" "T" "A" "A" "C" "G" "T" "C" "G" "T" "A" "A" "C" "A" "A" "T"
##
##
    [1153] "C" " " "G" "T" "C" "C" "T" "A" "A" "C" "G" "C" "C" "C" "A" "C" "G"
    [1171] "T" "T" "A" "C" "A" "C" "T" "A" "G" "A" "A" "A" "A" "C" "C" "A" "C" "A"
##
    [1189] "T" "A" "A" "G" "T" "T" "C" "C" "G" "A" "G" "G" "G" "A" "G" "T" "C" "A"
    [1207] "A" "C" "G" "T" "T" "G" "G" "G" "T" "A" "T" "A" "C" "T" "A" "C" "G" "G"
##
    [1225] " " "C" "A" "G" "A" "A" "A" "C" "A" "A" "T" "C" "G" "T" "G" "G" "T" "A"
##
    [1243] "T" "C" "C" "C" "T" "T" "C" "A" "G" "G" "T" "C" "G" "A" "A" "G" "A" "C"
    [1261] "C" "G" "G" "G" "T" "C" "A" "A" "G" "G" "A" "T" "C" "C" "A" "T" "C" "A"
##
    [1279] "T" "C" "T" "T" "T" "A" "T" "G" "G" "T" "A" "G" "A" "A" "C" "C" "T" " "
    ##
    [1315] "G" "G" "C" "A" "G" "T" "G" "G" "T" "G" "G" "T" "G" "C" "T" "T" "A" "A"
    [1333] "G" "C" "A" "G" "A" "C" "C" "A" "T" "C" "G" "A" "G" "A" "A" "G" "C" "C"
    [1351] "A" "T" "C" "A" "T" "C" "G" "G" "T" "T" "A" "A" "A" "C" "C" "A" " " "G"
    [1369] "T" "A" "G" "A" "C" "C" "T" "G" "A" "C" "G" "A" "T" "A" "A" "C" "C" "A"
##
    [1387] "C" "A" "A" "T" "T" "A" "A" "C" "C" "T" "T" "G" "C" "G" "G" "A" "A" "C"
    [1405] "A" "G" "G" "A" "G" "C" "T" "C" "C" "C" "T" "T" "A" "A" "A" "A" "T" "T" "C"
##
##
    [1423] "C" "G" "G" "A" "A" "G" "G" "A" "A" "C" "G" "G" "T" "A" "C" " " "A" "A"
    [1441] "C" "T" "C" "A" "C" "T" "C" "T" "C" "G" "C" "C" "A" "C" "T" "T" "G" "G"
##
    [1459] "T" "T" "C" "T" "G" "C" "G" "T" "C" "A" "T" "A" "A" "T" "A" "A" "C" "C"
    [1477] "C" "A" "T" "T" "T" "G" "G" "A" "A" "C" "C" "C" "C" "G" "G" "C" "T" "G"
##
    [1495] "C" "A" "A" "C" "A" "A" "A" "A" "C" "T" "A" "G" "C" "G" " " " "C" "G" "G"
##
    [1513] "G" "G" "T" "G" "A" "C" "G" "C" "A" "A" "G" "A" "G" "G" "T" "A" "A" "G"
##
##
    [1531] "A" "C" "C" "A" "A" "T" "G" "A" "C" "G" "G" "T" "C" "A" "A" "C" "T" "T"
    [1549] "A" "G" "A" "C" "T" "C" "C" "C" "A" "G" "G" "T" "G" "G" "T" "T" "T" "T" "G"
##
    [1567] "C" "A" "T" "T" "A" "C" "G" "C" "C" "C" "C" "A" "C" " " "G" "T" "A" "A"
##
    [1585] "A" "G" "C" "G" "A" "C" "T" "A" "A" "A" "A" "C" "C" "C" "C" "A" "G" "G"
    [1603] "T" "A" "A" "T" "A" "G" "T" "C" "T" "G" "T" "A" "A" "A" "A" "N" "T" "C" "A"
    [1621] "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "T" "C" "T" "A" "A" "T" "T" "T"
    [1639] "A" "G" "A" "T" "T" "T" "T" "G" "T" "T" "G" "T" " "G" "T" " "G" "C" "T" "T" "G"
##
    [1657] "C" "A" "G" "T" "A" "C" "T" "A" "T" "G" "A" "G" "A" "T" "T" "T" "T" "T"
    [1675] "C" "A" "G" "A" "A" "G" "T" "A" "T" "C" "T" "T" "G" "C" "T" "T" "G" "T"
##
    [1693] "T" "G" "C" "G" "T" "G" "A" "T" "G" "T" "T" "C" "T" "G" "A" "T" "G" "G"
##
    [1711] "G" "T" "T" "A" "A" "A" "T" "C" "C" "A" "A" " " "G" "G" "A" "C" "C" "G"
##
    [1729] "T" "T" "A" "A" "T" "T" "A" "A" "C" "A" "T" "T" "T" "T" "T" "C" "C" "A" "T"
    [1747] "T" "T" "G" "T" "C" "C" "T" "T" "T" "G" "A" "C" "A" "T" "A" "T" "A" "T" "A"
##
    [1765] "A" "T" "G" "G" "C" "T" "A" "T" "A" "G" "C" "T" "A" "C" "A" "T" "G" "A"
##
    [1783] "C" "T" "T" "A" "C" "C" "C" "A" "C" "T" " "A" "A" "A" "A" "T" "C" "T" "T"
##
    [1801] "G" "G" "T" "C" "G" "G" "A" "G" "T" "A" "G" "G" "T" "G" "C" "G" "T" "G"
##
    [1819] "T" "T" "A" "A" "G" "T" "T" "A" "A" "T" "T" "T" "C" "C" "A" "C" "G" "A"
##
```

```
[1837] "C" "T" "A" "A" "A" "A" "G" "A" "T" "C" "G" "A" "G" "G" "A" "T" "G" "A"
    [1855] "G" "A" "T" "T" "A" "T" "A" "T" "G" " " "G" "T" "A" "A" "A" "A" "T" "C" "T"
##
    [1873] "T" "A" "T" "C" "T" "T" "C" "A" "C" "T" "T" "A" "T" "C" "C" "T" "G" "T"
##
   [1891] "G" "C" "C" "C" "A" "G" "T" "A" "G" "T" "T" "G" "A" "T" "G" "T" "A" "T"
##
   [1909] "A" "C" "C" "A" "A" "C" "T" "A" "C" "A" "A" "C" "T" "C" "A" "T" "G" "T"
   [1927] "A" "C" "T" "G" "A" "C" "A" "T" " "T" "T" "G" "A" "T" "G" "T" "A" "A"
##
   [1945] "G" "A" "A" "C" "C" "A" "C" "T" "T" "A" "C" "G" "T" "C" "G" "A" "T"
   [1963] "G" "T" "C" "A" "A" "C" "A" "C" "T" "A" "C" "T" "A" "A" "G" "G" "G" "A" "T"
##
    [1981] "T" "C" "T" "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "A" "A" "A" "G" "T"
##
   [1999] "A" "C" "A" "A" "G" "C" "A" " "A" "A" "T" "C" "C" "G" "C" "A" "C" "T"
##
    [2017] "G" "T" "T" "T" "A" "A" "A" "G" "T" "A" "A" "T" "A" "C" "T" "A" "G" "A"
   [2035] "A" "C" "G" "T" "C" "A" "A" "G" "T" "T" "C" "A" "C" "T" "C" "T" "T" "G"
##
   [2053] "G" "T" "T" "T" "T" "C" "T" "A" "T" "T" "A" "T" "T" "C" "G" "T" "A" "T"
   [2071] "T" "A" "A" "T" "T" "T" "T" "G" "T" "T" "C" "C" "T" "T" "A" "T" "C"
##
##
   [2089] "G" "T" "C" "T" "T" "T" "C" "C" "G" "A" "T" "T" "T" "T" "T" "T" "C" "G" "T"
   [2107] "G" "T" "T" "T" "A" "T" "C" "T" "T" "C" "A" "G" "T" "T" "A" "A" "T" "T"
##
##
   [2125] "A" "C" "T" "T" "T" "C" "A" "A" "G" "T" "T" "A" "G" "T" "A" "A" "G" "A"
   [2143] "C" "A" "G" "A" "A" "A" "A" "A" "A" "A" "C" "T" "C" "A" "C" "A"
##
   [2161] "C" "T" "T" "C" "G" "T" "T" "T" "C" "A" "C" "A" "A" "T" "A" "T" "A" "T" "T" "T"
##
   [2179] "G" "T" "G" "A" "T" "A" "A" "C" "G" "G" "C" "G" "T" "T" "G" "T" "T" "A"
##
   [2197] "T" "T" "C" "T" "T" "T" "T" "A" "A" "C" "C" "T" "C" "T" "C" "A" "T"
##
   [2215] "T" "T" "C" "A" " "A" "G" "A" "A" "C" "T" "T" "G" "A" "A" "G" "G" "A"
##
   [2233] "G" "A" "A" "C" "A" "G" "A" "C" "T" "A" "C" "T" "T" "G" "T" "C" "A" "A"
##
   [2251] "A" "T" "C" "C" "A" "C" "T" "T" "C" "G" "A" "C" "T" "A" "G" "A" "C" "C"
##
   [2269] "G" "T" "G" "C" "A" "T" "T" "G" "A" "C" "T" "A" "T" "C" "T" "G" "C" "A"
##
   [2287] "C" "A" "A" " " "A" "A" "T" "G" "C" "G" "G" "C" "A" "G" "T" "C" "C" "T"
   [2305] "G" "T" "T" "C" "G" "T" "T" "T" "T" "C" "G" "T" "T" "T" "A" "A" "C" "T"
##
   [2323] "C" "A" "C" "G" "A" "T" "T" "T" "C" "G" "T" "T" "C" "A" "G" "T" "C" "A"
   [2341] "C" "G" "T" "T" "T" "A" "A" "A" "C" "A" "A" "T" "A" "G" "T" "C" "G" "A"
##
   [2359] "T" "C" " " "T" "C" "C" "T" "A" "C" "T" "T" "A" "C" "T" "A" "C" "T"
   [2377] "T" "A" "A" "C" "G" "G" "G" "A" "G" "C" "A" "T" "A" "C" "A" "A" "G" "G"
##
   ##
   [2413] "A" "T" "T" "T" "T" "C" "A" "T" "G" "A" "C" "A" "A" "C" "A" "T" "G" "G"
##
   [2431] "A" " " "G" "A" "T" "T" "G" "T" "G" "T" "G" "A" "G" "A" "G" "A" "A" "C" "C" "A"
##
   [2449] "T" "C" "A" "C" "T" "A" "T" "T" "T" "C" "G" "A" "G" "T" "G" "T" "T" "C"
##
   [2467] "A" "T" "C" "G" "C" "T" "C" "A" "C" "A" "A" "T" "A" "G" "T" "C" "A" "C"
##
   ##
##
   [2503] " " "A" "G" "T" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A" "T" "T" "A" "G" "T"
   [2521] "T" "A" "G" "A" "G" "G" "T" "A" "A" "C" "C" "A" "A" "C" "G" "A" "G" "A"
##
   [2539] "A" "G" "T" "A" "G" "A" "T" "T" "A" "A" "C" "T" "C" "T" "T" "A" "T" "A"
##
   [2557] "A" "A" "T" "A" "A" "G" "A" "G" "T" "C" "A" "A" "T" "C" "A" "C" "A" "C" "T" "
   ##
   [2593] "A" "T" "A" "C" "T" "C" "C" "A" "A" "A" "T" "A" "C" "T" "A" "C" "A" "T"
   [2611] "T" "A" "G" "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "T" "A" "C" "C" "T"
##
   [2629] "T" "T" "G" "A" "A" "A" "T" "T" "T" "T" "C" "A" "G" "G" "A" "G" " " "T"
   [2647] "A" "T" "T" "A" "T" "T" "A" "A" "T" "C" "A" "T" "T" "A" "T" "A" "G" "A"
##
    [2665] "G" "A" "C" "G" "A" "T" "A" "T" "C" "A" "T" "T" "G" "G" "A" "C" "T" "T"
##
   [2683] "T" "C" "A" "G" "T" "T" "G" "C" "T" "C" "T" "A" "C" "T" "T" "T" "T" "G" "T"
##
   [2701] "A" "G" "A" "C" "A" "A" "C" "A" "G" "T" "G" "A" "A" "T" "G" " " "A" "C"
   [2719] "A" "T" "G" "T" "T" "C" "G" "T" "T" "C" "G" "T" "T" "A" "A" "A"
##
   [2737] "C" "A" "G" "T" "G" "A" "C" "G" "A" "T" "G" "A" "C" "C" "C" "T" "T" "A" "C"
##
   ##
    [2773] "C" "A" "A" "C" "G" "G" "T" "T" "A" "G" "G" "A" "C" "A" " " "T" "C" "G"
##
   [2791] "C" "T" "G" "A" "C" "A" "T" "A" "C" "G" "T" "C" "G" "T" "T" "T" "T" "T" "G"
##
```

```
[2809] "G" "A" "C" "T" "C" "A" "G" "T" "G" "G" "A" "C" "G" "A" "T" "G" "T" "G"
    [2827] "C" "G" "A" "C" "G" "C" "T" "T" "C" "G" "A" "G" "G" "G" "T" "T" "A" "A"
##
    [2845] "A" "C" "A" "T" "T" "A" "T" "T" "C" "T" "T" "T" "C" " " " "G" "C" "A" "A"
##
   [2863] "G" "C" "A" "C" "T" "A" "C" "A" "T" "C" "G" "T" "T" "G" "T" "C" "A" "C"
##
   [2881] "T" "A" "A" "A" "G" "A" "A" "A" "T" "C" "C" "G" "T" "C" "C" "A" "G" "G"
   [2899] "A" "A" "C" "T" "A" "C" "A" "G" "T" "G" "T" "C" "G" "C" "A" "G" "G" "A"
##
   [2917] "T" "C" "T" "A" "C" "A" "C" "A" "G" "G" "T" " " "C" "G" "T" "T" "A"
   [2935] "T" "G" "C" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T" "G" "C" "T" "T" "C"
##
    [2953] "C" "T" "A" "G" "T" "G" "T" "C" "G" "A" "G" "G" "C" "T" "A" "A" "T" "G"
##
         "C" "T" "C" "A" "A" "G" "T" "G" "A" "A" "A" "G" "A" "T" "C" "T" "T" "C"
##
   [2971]
    [2989] "G" "C" "C" "A" "G" "A" "C" "C" "A" "G" "T" " "C" "T" "T" "A" "T" "C"
   [3007] "A" "C" "G" "G" "T" "A" "C" "C" "T" "C" "A" "C" "C" "G" "T" "G" "C" "A"
##
   [3025] "A" "C" "T" "C" "T" "T" "C" "T" "T" "A" "C" "A" "A" "T" "C" "A" "A" "A"
   [3043] "G" "A" "C" "C" "T" "A" "A" "C" "T" "A" "C" "T" "G" "G" "T" "G" "T"
##
   [3061] "A" "C" "C" "T" "T" "G" "C" "G" "C" "A" " " "T" "G" "C" "G" "C" "G" "T"
   [3079] "T" "T" "G" "T" "C" "A" "G" "A" "C" "T" "T" "T" "C" "T" "T" "C" "G" "T"
##
##
   [3097] "T" "A" "C" "T" "T" "C" "A" "T" "C" "G" "A" "C" "T" "C" "G" "G" "T" "G"
   [3115] "T" "A" "G" "T" "T" "C" "G" "G" "A" "T" "G" "T" "T" "C" "T" "G" "T" "T"
##
   [3133] "C" "G" "G" "T" "A" "A" "C" "G" "C" " " "Y" "A" "T" "C" "G" "T" "T" "A"
   [3151] "A" "G" "G" "T" "G" "G" "C" "C" "A" "C" "T" "A" "G" "G" "T" "T" "A" "A"
##
   [3169] "A" "T" "A" "A" "G" "A" "C" "A" "T" "T" "T" "G" "T" "C" "G" "T" "C" "G"
##
   ##
   [3205] "T" "C" "A" "A" "T" "G" "A" "C" " " "C" "G" "G" "T" "A" "T" "T" "G" "T"
##
   [3223] "C" "G" "G" "T" "C" "T" "C" "C" "T" "T" "T" "T" "A" "A" "T" "T" "T" "G" "A"
##
   ##
    [3259] "A" "T" "A" "A" "G" "G" "A" "C" "A" "A" "C" "C" "C" "G" "T" "A" "T" "C" "C"
   [3277] "G" "T" "T" "T" "A" "A" "C" " " "A" "T" "C" "T" "T" "C" "T" "G" "T" "T"
##
   [3295] "T" "A" "G" "G" "T" "A" "C" "A" "T" "T" "C" "C" "T" "T" "A" "T" "C" "C"
   [3313] "T" "T" "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "C" "C" "A" "A" "G"
##
   [3331] "G" "T" "A" "A" "C" "A" "A" "G" "T" "T" "C" "C" "T" "C" "G" "A" "A" "A" "A"
   [3349] "A" "A" "T" "T" "C" "G" " " "A" "G" "A" "A" "G" "T" "T" "G" "C" "C" "A"
##
          "T" "T" "A" "T" "C" "A" "T" "G" "G" "C" "A" "A" "C" "C" "T" "T" "A" "G"
##
    [3367]
   [3385] "A" "C" "G" "G" "T" "A" "C" "C" "G" "A" "T" "T" "T" "T" "A" "A" "T" "T"
##
   [3403] "T" "C" "A" "A" "G" "G" "T" "T" "T" "G" "T" "C" "T" "T" "T" "T" "T" "G"
##
   ##
   [3439] "G" "C" "A" "A" "A" "T" "C" "T" "G" "G" "T" "C" "T" "C" "T" "C" "T" "A" "G"
##
   [3457] "T" "C" "C" "T" "T" "G" "A" "G" "A" "T" "C" "T" "T" "C" "T" "T" "A" "A"
##
##
   [3475] "G" "T" "C" "T" "A" "A" "A" "A" "A" "T" "T" "G" "T" "G" "C" "T" "C" "T"
   [3493] "C" "A" "T" "T" " " "T" "G" "C" "A" "T" "T" "T" "T" "T" "T" "C" "T" "T" "C"
##
   [3511] "C" "A" "A" "A" "A" "T" "G" "T" "T" "C" "T" "G" "A" "G" "T" "G" "C" "A"
##
    [3529] "A" "T" "T" "G" "T" "T" "A" "T" "A" "A" "C" "G" "T" "C" "G" "T" "C" "A"
   [3547] "T" "G" "C" "G" "T" "G" "T" "G" "T" "A" "G" "C" "T" "T" "C" "G" "C"
##
   [3565] "G" "T" "C" " " "A" "T" "T" "C" "C" "T" "A" "C" "C" "G" "A" "T" "C" "A"
   [3583] "C" "A" "T" "T" "G" "A" "T" "C" "G" "T" "T" "C" "T" "T" "A" "T" "G" "G"
##
   [3619] "T" "C" "A" "T" "G" "C" "G" "A" "T" "A" "A" "T" "T" "G" "A" "T" "A" "A"
##
          "T" "T" " "G" "C" "A" "T" "G" "G" "A" "C" "A" "G" "A" "G" "A" "G"
##
    [3637]
    [3655] "G" "C" "T" "T" "T" "G" "C" "T" "T" "A" "C" "T" "C" "A" "T" "G" "T" "A"
##
    [3673] "T" "T" "C" "A" "A" "G" "C" "A" "T" "G" "A" "G" "T" "A" "G" "T" "A" "G" "T" "C" "G"
   [3691] "A" "A" "C" "A" "C" "G" "A" "A" "T" "G" "T" "T" "T" "C" "C" "G" "T" "G"
##
   [3709] "C" " " "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "G" "C" "A" "G" "C" "A" "G" "C"
##
   [3727] "C" "A" "A" "G" "T" "A" "G" "T" "A" "T" "T" "T" "A" "A" "A" "C" "C" "A" "A"
##
    [3745] "G" "G" "T" "A" "A" "T" "G" "A" "C" "C" "T" "A" "A" "A" "T" "T" "G" "T" "T"
##
   [3763] "G" "A" "G" "G" "C" "C" "T" "A" "C" "T" "T" "G" "G" "C" "A" "G" "C" "T"
##
```

```
[3781] " " "A" "A" "C" "A" "C" "A" "C" "T" "T" "A" "A" "A" "C" "C" "T" "G" "T"
    [3799] "A" "C" "A" "A" "G" "A" "A" "G" "T" "C" "C" "G" "A" "G" "T" "A" "G" "T"
##
    [3817] "T" "G" "T" "T" "A" "A" "A" "A" "T" "A" "A" "C" "A" "T" "C" "A" "T" "C"
##
   ##
   [3853] "T" "T" "G" "T" "G" "G" "T" "C" "A" "C" "A" "G" "A" "C" "A" "T" "G" "A"
   [3871] "G" "T" "T" "A" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "T" "G" "T" "C"
##
   [3889] "G" "A" "C" "C" "A" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "C" "A"
   [3907] "C" "T" "T" "C" "A" "T" "T" "G" "A" "C" "A" "C" "A" "T" "T" "A" " " "T"
##
    [3925] "G" "T" "T" "G" "T" "G" "T" "C" "A" "G" "A" "A" "A" "A" "A" "T" "G" "A" "G"
   [3943] "G" "T" "C" "T" "A" "A" "G" "G" "G" "T" "A" "A" "A" "A" "A" "A" "G" "T" "C"
##
    [3961] "A" "T" "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "G" "A" "C" "C" "A"
   [3979] "T" "C" "A" "G" "T" "A" "C" "A" "A" "G" "T" "C" "T" "T" "T" "T" " "A" "T"
##
   [3997] "C" "C" "T" "G" "A" "A" "C" "A" "A" "C" "A" "C" "G" "G" "T" "A" "G" "T"
   [4015] "G" "G" "A" "C" "T" "T" "C" "A" "T" "T" "A" "C" "T" "G" "T" "T" "A" "A"
##
   [4033] "C" "T" "T" "C" "T" "T" "C" "A" "A" "T" "G" "T" "G" "A" "T" "A" "A" "C"
   [4051] "A" "T" "T" "C" "C" "A" "T" "A" "T" "G" "T" "T" "A" "T" "A" "T" " "C" "A" "G"
##
##
   [4069]
          "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "C" "A" "T" "A" "C" "G" "G" "T"
   [4087] "C" "G" "T" "T" "T" "C" "T" "T" "T" "T" "A" "T" "C" "A" "A" "C" "C" "G"
   [4105] "T" "A" "G" "T" "A" "T" "T" "T" "C" "A" "T" "T" "A" "C" "C" "C" "A" "A"
   [4123] "A" "A" "A" "C" "C" "T" "T" "G" "C" "C" "G" "T" "A" " " "A" "A" "G" "G"
##
   [4141] "T" "C" "G" "T" "T" "T" "C" "G" "G" "T" "T" "T" "C" "G" "G" "A" "G" "T"
##
   [4159] "A" "A" "T" "A" "A" "T" "A" "A" "G" "A" "A" "T" "G" "T" "T" "T" "T" "C" "A"
   [4177] "A" "A" "T" "A" "T" "G" "A" "G" "A" "C" "G" "T" "T" "C" "T" "T" "C" "A"
##
   [4195] "T" "C" "T" "G" "A" "T" "T" "T" "C" "G" "T" "A" " " "T" "T" "T" "C" "T"
   ##
   [4231] "T" "C" "C" "G" "G" "T" "C" "G" "T" "C" "G" "T" "T" "G" "C" "T" "C" "G"
   [4249] "T" "T" "T" "T" "C" "C" "A" "C" "A" "C" "T" "C" "A" "T" "T" "T" "T" "G" "A"
##
   [4285] "G" "T" "T" "C" "A" "A" "C" "G" "T" "T" "T" "G" "T" "T" "T" "T" "C" "A" "C"
##
   [4303] "T" "T" "G" "T" "G" "G" "G" "A" "A" "C" "C" "T" "C" "T" "C" "A" "C" "G"
   ##
   [4339] "C" "T" "C" "C" "C" "A" "A" "T" "A" "C" " " "T" "A" "A" "A" "A" "A" "A" "C" "C"
##
   [4357] "T" "T" "C" "G" "C" "G" "A" "G" "A" "C" "T" "T" "T" "T" "T" "T" "G" "T" "C"
##
   [4375] "G" "T" "T" "C" "T" "T" "C" "A" "C" "G" "T" "T" "G" "C" "G" "C" "G" "T" "T"
##
   [4393] "G" "T" "T" "A" "T" "T" "C" "G" "G" "T" "A" "G" "G" "C" "T" "T" "T" "C"
##
   [4411] "C" "C" "T" "C" "A" "C" "T" "C" "C" " " "G" "A" "A" "A" "C" "A" "T" "A" "G"
##
   [4429] "C" "C" "A" "T" "A" "G" "C" "A" "A" "C" "G" "T" "C" "A" "T" "C" "G" "C"
##
##
   [4447] "G" "C" "T" "T" "G" "T" "T" "T" "T" "A" "G" "A" "T" "T" "T" "T" "C" "C" "T"
   [4465] "C" "A" "T" "C" "G" "T" "A" "G" "G" "A" "A" "C" "T" "A" "A" "A" "G" "T"
##
   [4483] "G" "G" "A" "A" "C" "G" "A" "A" " " "G" "T" "T" "T" "C" "A" "A" "T" "G"
##
   [4501] "T" "C" "A" "A" "G" "G" "T" "T" "A" "A" "C" "A" "C" "T" "T" "C" "T" "A"
   [4519] "A" "G" "A" "G" "T" "A" "T" "T" "T" "G" "T" "T" "T" "A" "G" "G" "T" "A"
##
   [4537] "T" "T" "C" "A" "A" "G" "C" "A" "A" "A" "T" "A" "C" "A" "C" "A" "T" "T"
##
   [4555] "A" "C" "A" "T" "T" "A" "A" " " "A" "C" "T" "G" "A" "G" "G" "A" "A" "A" "A"
   [4573] "C" "T" "C" "G" "T" "G" "A" "C" "C" "G" "A" "G" "T" "C" "T" "C" "A" "G"
   [4591] "C" "A" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T" "A" "A" "A" "A" "C" "G" "T"
##
    [4609] "C" "G" "T" "C" "C" "T" "A" "G" "G" "T" "G" "T" "T" "C" "T" "T" "G" "T"
##
   [4627] "T" "G" "T" "C" "G" "G" " " "G" "A" "A" "C" "T" "C" "T" "G" "T" "T" "G"
##
   [4645] "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" "C" "A" "G" "T" "A" "T" "G"
   [4663] "T" "C" "G" "T" "T" "T" "C" "G" "T" "A" "T" "T" "A" "A" "A" "C" "A" "G" "T"
##
   [4681] "G" "G" "T" "A" "A" "T" "G" "A" "T" "A" "C" "C" "G" "T" "T" "A" "G" "T"
##
   [4699] "T" "C" "G" "G" "T" " "C" "G" "A" "T" "A" "T" "T" "T" "T" "T" "G" "G" "A"
##
    [4717] "T" "C" "G" "G" "T" "T" "T" "A" "C" "A" "T" "G" "G" "T" "A" "C" "C" "G"
##
   [4735] "G" "T" "A" "A" "A" "A" "T" "A" "T" "A" "T" "G" "A" "C" "G" "A" "G" "T"
##
```

```
[4753] "A" "T" "G" "A" "A" "A" "G" "G" "T" "T" "C" "A" "A" "G" "A" "A" "C" "C"
    [4771] "T" "C" "T" "A" " " "G" "C" "T" "A" "C" "T" "C" "T" "C" "T" "A" "A" "A" "G"
##
   [4789] "T" "A" "A" "A" "T" "T" "T" "A" "A" "G" "A" "A" "C" "C" "G" "T" "T" "G"
##
   [4807] "G" "A" "G" "T" "A" "A" "C" "T" "C" "C" "G" "C" "C" "A" "G" "T" "T" "A"
##
   [4825] "A" "A" "G" "A" "A" "A" "A" "A" "C" "T" "T" "A" "C" "A" "A" "A" "A" "T" "G"
   [4843] "T" "T" "G" " " "A" "C" "T" "T" "C" "G" "T" "A" "A" "T" "T" "A" "C" "G"
##
   [4861] "G" "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "G" "A" "T" "T" "T" "A"
   [4879] "G" "T" "T" "G" "T" "A" "G" "A" "C" "C" "A" "C" "T" "A" "C" "A" "T" "A"
##
    ##
   [4915] "G" "A" " "T" "T" "G" "A" "G" "G" "A" "G" "G" "A" "A" "C" "T" "T" "A"
##
   [4933] "C" "T" "C" "A" "G" "A" "T" "T" "A" "A" "G" "T" "C" "C" "A" "A" "C" "G"
   [4951] "T" "T" "T" "C" "C" "T" "A" "G" "T" "A" "T" "T" "T" "G" "A" "C" "A" "C"
##
   [4969] "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "A" "G" "G" "A" "T" "A" "A"
   [4987] "T" " "G" "T" "T" "G" "T" "A" "G" "T" "G" "T" "C" "A" "A" "T" "G" "G"
##
   [5005] "T" "C" "T" "G" "T" "G" "T" "T" "T" "A" "C" "A" "C" "A" "A" "C" "A" "G"
   [5023] "A" "C" "A" "T" "C" "A" "T" "T" "A" "C" "T" "A" "A" "A" "A" "C" "A" "C" "C"
##
##
   [5041] "A" "A" "G" "T" "A" "T" "T" "T" "T" "T" "A" "A" "G" "G" "A" "A" "A" "C"
    [5059] " " "A" "C" "A" "A" "T" "G" "T" "T" "T" "G" "G" "T" "C" "A" "C" "A" "C"
   [5077] "A" "C" "G" "G" "T" "A" "A" "A" "C" "T" "T" "T" "G" "T" "T" "T" "C" "T"
   [5095] "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "T" "C" "C" "T" "T" "T" "T" "C" "A"
##
   [5113] "C" "A" "C" "G" "A" "A" "A" "A" "G" "G" "T" "A" "G" "T" "A" "C" "T" " "
##
   [5131] "G" "T" "T" "T" "A" "C" "C" "G" "T" "C" "C" "T" "C" "G" "T" "C" "A" "A"
   ##
   [5167] "C" "G" "T" "C" "C" "C" "T" "G" "T" "A" "T" "T" "C" "A" "G" "T" "G" "T"
##
   ##
    [5203] "T" "A" "C" "T" "C" "C" "A" "C" "G" "A" "C" "T" "G" "A" "C" "T" "C" "C"
   [5221] "C" "T" "T" "C" "C" "T" "G" "T" "A" "T" "T" "C" "T" "A" "C" "T" "A" "T"
##
   [5257] "T" "T" "G" "A" "G" "A" "A" "A" "A" "C" "T" "A" "A" "C" " " "A" "G"
##
   [5275] "G" "T" "T" "C" "A" "T" "G" "T" "G" "T" "G" "A" "G" "A" "C" "T" "G" "T"
   [5293] "A" "A" "A" "A" "T" "C" "A" "T" "C" "G" "T" "C" "G" "T" "T" "C" "G"
##
    [5311] "A" "T" "C" "G" "T" "C" "T" "T" "C" "G" "A" "G" "A" "C" "T" "A" "A" "A"
##
   [5329] "G" "A" "C" "G" "T" "C" "G" "A" "G" "A" "T" "T" "A" "A" "A" " "T" "T" "A"
##
   [5347] "A" "C" "A" "A" "C" "T" "C" "A" "G" "T" "G" "T" "A" "T" "A" "C" "A" "G"
##
   [5365] "A" "C" "G" "T" "T" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "G" "A" "C"
##
   [5383] "G" "G" "A" "C" "A" "C" "T" "A" "G" "T" "T" "G" "G" "A" "T" "A" "G" "T"
##
   [5401] "T" "A" "A" "A" "C" "G" "T" "G" "A" "A" "G" "T" "C" " " "G" "G" "A" "G"
##
##
   [5419] "T" "T" "G" "A" "A" "A" "C" "A" "G" "T" "T" "C" "T" "G" "C" "A" "C" "T"
   [5437] "T" "T" "C" "C" "T" "A" "T" "A" "G" "T" "A" "A" "A" "T" "T" "T" "T" "T" "G"
##
   [5455] "T" "G" "A" "A" "C" "T" "T" "T" "A" "A" "C" "G" "T" "G" "G" "T" "T" "T"
##
    [5473] "T" "A" "A" "C" "C" "T" "C" "G" "A" "T" "T" "C" " " "A" "A" "A" "A" "A"
   [5491] "A" "T" "T" "G" "T" "T" "C" "G" "C" "A" "C" "A" "A" "A" "A" "T" "T" "T" "C"
##
   [5509] "G" "A" "A" "C" "A" "C" "G" "T" "A" "A" "A" "A" "C" "C" "C" "A" "A" "C" "T"
##
   [5527] "G" "G" "T" "G" "T" "A" "A" "A" "A" "C" "T" "T" "C" "A" "A" "A" "A" "G"
   [5545] "G" "T" "T" "C" "A" "C" "G" "T" "G" "A" "A" " " "C" "G" "A" "C" "A" "C"
   [5563] "C" "T" "T" "C" "T" "T" "C" "A" "C" "T" "C" "A" "G" "A" "A" "A" "C" "T"
##
          "T" "A" "A" "A" "A" "C" "G" "G" "T" "T" "A" "T" "C" "G" "T" "G" "A" "T"
##
    [5581]
   [5599] "A" "A" "T" "T" "T" "A" "A" "C" "C" "A" "A" "C" "C" "G" "T" "T" "A" "G"
##
   [5617] "T" "T" "A" "A" "A" "A" "A" "C" "C" "A" " " "A" "G" "A" "G" "T" "A" "T"
   [5635] "C" "T" "C" "T" "T" "G" "T" "A" "A" "G" "A" "C" "A" "C" "A" "T" "T" "G"
##
   [5653] "A" "G" "G" "T" "T" "A" "T" "G" "G" "T" "A" "A" "T" "T" "T" "G" "G" "A"
##
   [5671] "T" "A" "T" "T" "C" "G" "G" "T" "A" "A" "A" "C" "G" "T" "A" "T" "C" "G"
##
    [5689] "T" "T" "A" "C" "C" "A" "T" "A" " " "A" "A" "C" "A" "T" "A" "C"
##
   [5707] "G" "T" "C" "G" "T" "G" "G" "A" "C" "G" "T" "G" "G" "T" "T" "T" "T" "C" "C"
##
```

```
[5725] "A" "G" "G" "T" "T" "G" "G" "T" "C" "T" "T" "C" "A" "C" "T" "A" "A" "A" "C"
    [5743] "A" "T" "G" "G" "G" "C" "G" "A" "T" "T" "G" "T" "C" "A" "C" "G" "T" "C"
##
    [5761] "T" "T" "C" "A" "C" "A" "T" "A" " " "A" "C" "T" "C" "G" "T" "T" "A" "G"
##
   [5779] "T" "A" "A" "A" "G" "T" "A" "G" "A" "C" "A" "C" "T" "C" "G" "T" "T"
##
   [5797] "C" "C" "A" "C" "C" "G" "T" "T" "T" "T" "G" "T" "C" "A" "T" "T" "C" "C"
   [5815] "G" "G" "C" "A" "A" "T" "T" "T" "G" "A" "A" "A" "A" "C" "A" "C" "G" "T"
##
   [5833] "G" "T" "T" "T" "A" "C" "T" " "C" "C" "A" "G" "A" "G" "A" "T" "C" "G"
   [5851] "T" "C" "G" "T" "T" "A" "T" "A" "G" "T" "G" "G" "T" "T" "C" "C" "C" "G" "T"
##
    ##
          "C" "T" "T" "C" "G" "G" "T" "C" "G" "T" "A" "G" "A" "C" "G" "T" "T" "C"
##
    [5887]
    [5905] "A" "C" "A" "G" "T" "G" " " "A" "A" "A" "C" "A" "A" "C" "T" "T" "T" "T" "T"
   [5923] "C" "A" "T" "C" "T" "A" "G" "A" "A" "G" "T" "T" "A" "T" "T" "T" "A" "C"
##
          "T" "G" "G" "A" "G" "A" "A" "C" "G" "A" "A" "C" "C" "A" "A" "A" "A" "C"
    [5941]
   [5959] "T" "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "A" "A" "A" "A"
##
##
   [5995] "G" "G" "T" "T" "T" "T" "A" "G" "A" "A" "A" "T" "T" "A" "A" "C" "C" "A"
##
##
    [6013]
          "C" "C" "A" "C" "A" "A" "A" "A" "A" "C" "A" "T" "T" "T" "A" "A" "A" "A" "C" "A"
    [6031] "A" "A" "C" "T" "G" "A" "A" "C" "A" "C" "G" "T" "T" "T" "T" "T" "T" "G" "A"
##
   ##
   [6067] "A" "A" "C" "A" "A" "G" "T" "T" "G" "T" "C" "G" "A" "T" "A" "A" "G" "G"
##
   [6085] "T" "C" "A" "A" "T" "T" "T" "C" "G" "T" "G" "C" "C" "A" "A" "A" "A" "T" "T"
##
   [6103] "A" "A" "C" "A" "C" "A" "T" "G" "T" "T" "T" "T" "T" "T" "G" "A" "C" "G" "G"
##
   [6121] "T" "A" "T" " "A" "A" "C" "G" "T" "T" "G" "T" "T" "T" "T" "T" "C" "T" "A"
##
    [6139] "A" "C" "G" "A" "C" "G" "T" "A" "A" "G" "T" "C" "A" "A" "C" "T" "T" "A"
##
    [6157] "G" "T" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "T" "G" "T" "A" "A" "C"
##
    [6175] "A" "T" "G" "T" "T" "A" "G" "A" "T" "G" "A" "C" "T" "A" "C" "A" "G" "A"
   [6193] "A" "C" " "C" "A" "G" "T" "A" "T" "C" "T" "G" "T" "G" "A" "C" "C" "A"
##
    [6211] "T" "C" "T" "T" "A" "A" "A" "G" "A" "C" "A" "C" "C" "A" "T" "T" "T" "G" "T"
   [6229] "G" "A" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "A" "A" "A" "A" "C" "A" "C"
##
    [6247] "C" "C" "A" "T" "A" "C" "C" "G" "T" "T" "A" "T" "C" "T" "C" "A" "A" "T"
   [6265] "A" " "A" "T" "C" "T" "C" "A" "T" "T" "C" "G" "T" "T" "G" "A" "C" "T"
##
##
    [6283] "T" "A" "A" "A" "A" "G" "A" "C" "G" "T" "G" "T" "T" "T" "C" "A" "C" "T"
    [6301] "G" "T" "A" "T" "C" "A" "C" "A" "T" "C" "C" "G" "T" "T" "A" "C" "T" "A"
##
    [6319] "C" "C" "T" "A" "A" "C" "T" "G" "A" "T" "C" "G" "A" "T" "G" "A"
##
    [6337] " " "T" "G" "C" "A" "C" "G" "G" "G" "C" "G" "G" "C" "T" "G" "C" "T" "C"
##
    [6355] "T" "T" "A" "A" "T" "C" "A" "G" "A" "C" "T" "C" "A" "G" "A" "C" "T" "A"
##
   [6373] "T" "T" "G" "A" "T" "C" "G" "C" "G" "T" "A" "T" "A" "T" "G" "G" "A" "C"
##
##
   [6391] "G" "T" "G" "G" "T" "T" "A" "C" "C" "C" "A" "T" "A" "C" "A" "G" "A" "G" "T" " "
    [6409] "G" "T" "G" "A" "G" "T" "A" "T" "A" "C" "T" "C" "A" "A" "C" "A" "A" "C" "A" "A" "C"
##
   [6427] "T" "G" "T" "A" "C" "A" "A" "G" "T" "C" "G" "G" "G" "G" "A" "T" "A" "A"
##
    [6445] "T" "T" "T" "G" "T" "C" "G" "G" "A" "C" "G" "T" "G" "C" "A" "C" "A" "A"
   [6463] "A" "C" "T" "T" "T" "T" "T" "G" "T" "A" "A" "T" "C" "T" "T" "G" " " "G"
##
   [6481] "A" "C" "A" "T" "C" "T" "T" "A" "T" "T" "T" "G" "T" "G" "C" "G" "G" "T"
   [6499] "T" "C" "A" "T" "C" "C" "T" "C" "A" "T" "T" "C" "A" "A" "C" "T" "A" "G"
##
    [6517] "A" "C" "G" "T" "A" "C" "T" "T" "A" "T" "C" "G" "T" "T" "G" "T" "C" "C"
   [6535] "C" "T" "G" "A" "A" "G" "A" "C" "A" "C" "G" "T" "C" "A" "A" " " "T" "T"
##
          "G" "T" "G" "G" "G" "A" "C" "T" "A" "T" "T" "T" "C" "T" "T" "G" "T" "C"
##
    [6553]
    [6571] "G" "T" "T" "G" "G" "A" "C" "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "A"
##
    [6589] "A" "A" "C" "A" "A" "G" "G" "A" "C" "C" "A" "C" "A" "A" "T" "A" "T" "T"
   ##
          "C" "T" "T" "G" "T" "A" "C" "C" "A" "C" "A" "T" "T" "A" "C" "A" "G" "T"
##
    [6625]
   [6643] "T" "C" "T" "T" "A" "G" "A" "G" "T" "T" "C" "A" "C" "A" "G" "A" "C" "A"
##
    [6661] "C" "C" "T" "A" "G" "T" "G" "C" "C" "T" "G" "T" "C" "G" "T" "A" "G" "T"
##
    [6679] "C" "A" "T" "C" "A" "C" "A" "G" "T" "C" "G" "T" "T" "T" " " "A" "C" "A" "G"
##
```

```
[6697] "A" "G" "A" "C" "G" "G" "T" "T" "T" "A" "A" "C" "A" "A" "C" "C" "T" "T"
    [6715] "T" "C" "C" "G" "T" "C" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "C" "A" "A"
##
    [6733] "T" "C" "T" "G" "A" "G" "T" "C" "A" "T" "T" "C" "T" "T" "G" "T" "G" "G"
   [6751] "A" "C" "A" "C" "G" "G" "A" "C" "A" "A" "T" "T" " " "T" "G" "G" "T" "A"
   [6769] "A" "C" "T" "T" "C" "A" "A" "C" "T" "T" "A" "A" "C" "T" "G" "T" "G"
##
   [6787] "T" "A" "A" "A" "C" "A" "A" "A" "A" "A" "T" "T" "G" "G" "T" "T" "T" "A"
    [6805] "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "A" "A" "A" "T" "C" "C" "A" "G"
   [6823] "G" "T" "G" "T" "T" "T" "G" "T" "C" "A" "A" " " "C" "G" "A" "C" "C" "A"
##
    [6841] "C" "G" "T" "A" "C" "A" "T" "C" "T" "T" "C" "A" "A" "G" "T" "T" "T" "T"
##
    [6859] "C" "T" "T" "T" "C" "A" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T" "G" "A" "G" "A" "G" "A" "C"
##
    [6877] "A" "T" "A" "C" "C" "A" "A" "C" "C" "A" "T" "T" "G" "G" "T" "T" "G" "T"
   ##
    [6913] "T" "G" "G" "T" "A" "T" "A" "C" "T" "A" "A" "C" "A" "T" "T" "T" "T" "C" "C"
   [6931] "T" "T" "T" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "T" "T" "T" "T" "G" "G"
##
##
   [6949] "A" "A" "G" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "G" "T" "T" "C" "C"
   [6967] "A" "A" "A" "C" "G" "A" "T" "G" "G" " " "C" "C" "G" "G" "A" "C" "T" "A"
##
##
    [6985]
         "T" "C" "T" "A" "A" "A" "G" "T" "C" "A" "A" "C" "T" "T" "T" "A" "T" "A"
    [7003] "G" "A" "G" "A" "G" "A" "G" "T" "T" "T" "T" "T" "C" "C" "A" "A" "A" "A" "C" "T"
   [7021] "C" "T" "A" "A" "T" "C" "T" "G" "A" "A" "G" "G" "A" "T" "T" "T" "T" "G" "T"
##
   [7039] "T" "A" "G" "A" "T" "A" "T" "G" " " "G" "C" "C" "A" "T" "T" "A" "A" "T"
##
   ##
   [7075] "C" "T" "T" "A" "G" "T" "T" "C" "T" "A" "A" "C" "A" "A" "T" "C" "T" "T"
   [7093] "A" "A" "G" "G" "T" "T" "C" "G" "A" "T" "A" "T" "T" "G" "C" "G" "T" "C"
##
   [7111] "G" "G" "A" "C" "A" "T" "T" " "T" "T" "A" "G" "T" "A" "G" "A" "C" "C"
##
   ##
    [7147] "T" "C" "G" "T" "T" "A" "G" "A" "A" "A" "G" "G" "T" "C" "A" "A" "A" "C"
   [7165] "G" "G" "G" "A" "C" "C" "T" "C" "G" "C" "T" "A" "A" "A" "C" "A" "G" "A"
##
   [7183] "C" "T" "G" "A" "A" "G" " "T" "A" "G" "T" "G" "G" "A" "G" "A" "T" "T"
   [7201] "A" "A" "T" "G" "T" "T" "T" "A" "C" "T" "T" "A" "G" "A" "C" "G" "T" "A"
##
   [7219] "T" "C" "T" "G" "T" "A" "A" "T" "C" "A" "T" "T" "T" "T" "C" "G" "T" "C" "T"
   [7237] "C" "T" "A" "G" "T" "A" "A" "A" "T" "T" "A" "A" "A" "T" "C" "A" "T" "C"
##
    [7255] "C" "T" "C" "T" "G" " " "T" "G" "A" "G" "G" "T" "A" "T" "A" "T" "G" "T" "G"
##
   [7273] "A" "A" "T" "T" "T" "T" "C" "A" "C" "C" "T" "T" "T" "T" "A" "C" "T" "A"
##
   [7291] "C" "G" "C" "C" "T" "T" "A" "A" "T" "A" "T" "A" "T" "C" "C" "T" "G" "T"
##
   [7309] "C" "T" "T" "A" "T" "T" "A" "G" "T" "C" "G" "T" "T" "G" "T" "G" "T" "C"
##
   [7327] "A" "A" "C" "G" " " "A" "C" "T" "A" "A" "G" "A" "G" "A" "A" "G" "A"
##
   [7345] "C" "A" "A" "G" "G" "T" "T" "C" "G" "T" "A" "T" "T" "T" "G" "T" "C" "T"
##
##
   [7363] "A" "C" "G" "T" "T" "T" "A" "G" "A" "C" "C" "A" "C" "C" "G" "G" "C" "A" "A"
   [7381] "T" "T" "T" "T" "T" "G" "A" "A" "G" "T" "G" "G" "T" "T" "T" "T" "T" "C" "C"
##
   [7399] "C" "G" "T" " "G" "T" "T" "C" "A" "A" "A" "C" "A" "T" "T" "A" "T" "A"
##
   [7417] "A" "T" "C" "C" "T" "T" "T" "A" "G" "A" "T" "T" "G" "T" "T" "A" "T" "C"
   ##
   [7453] "A" "T" "T" "T" "C" "A" "A" "T" "C" "T" "T" "C" "A" "A" "A" "A" "C" "T" "A"
##
   [7471] "T" "C" " " "T" "A" "A" "G" "G" "A" "A" "A" "A" "A" "G" "A" "T" "G" "T"
   [7489] "C" "A" "C" "T" "T" "C" "C" "T" "A" "A" "A" "G" "T" "T" "G" "C" "A" "T"
   [7507] "G" "T" "G" "A" "A" "A" "C" "A" "A" "G" "A" "C" "T" "C" "T" "C" "T"
##
    [7525] "C" "C" "C" "A" "G" "T" "T" "C" "A" "C" "G" "T" "G" "T" "C" "A" "G" "A"
##
   [7543] "T" " "G" "T" "C" "G" "T" "A" "G" "A" "C" "A" "T" "T" "A" "C" "C" "A"
##
   [7579] "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "C" "A" "G" "G" "A" "T" "C" "C"
##
   [7597] "A" "A" "C" "T" "T" "C" "T" "A" "T" "T" "G" "G" "G" "T" "G" "T" "A" "T"
##
   [7615] " " "T" "A" "T" "T" "C" "G" "A" "C" "G" "T" "C" "G" "T" "G" "G" "T" "C"
##
    [7633] "G" "A" "C" "A" "G" "G" "T" "T" "G" "G" "A" "C" "T" "T" "C" "T" "T" "C"
##
   [7651] "T" "T" "A" "G" "T" "G" "G" "T" "C" "C" "T" "C" "A" "G" "T" "T" "T" "A"
##
```

```
[7669] "T" "T" "G" "A" "A" "G" "A" "T" "A" "C" "A" "T" "T" "T" "T" "C" "G" "T" "
    [7687] "T" "C" "A" "T" "T" "T" "C" "A" "A" "A" "C" "T" "T" "T" "T" "G" "G" "A" "T"
##
    [7705] "C" "A" "C" "T" "A" "C" "A" "A" "T" "T" "A" "T" "G" "G" "A" "T" "A" "A"
##
   [7723] "C" "C" "G" "T" "T" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A" "C" "C" "A"
##
   [7741] "A" "G" "A" "T" "T" "T" "C" "G" "G" "C" "T" "T" "T" "T" "T" "T" "G" " " "G"
   [7759] "G" "A" "C" "T" "C" "C" "C" "T" "C" "T" "A" "G" "T" "G" "C" "G" "T" "G"
##
    [7777] "A" "T" "T" "T" "A" "A" "T" "T" "A" "T" "C" "C" "G" "C" "A" "C" "A" "C"
   ##
    [7831] "A" "T" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "G" "G" "G" "A" "T" "T"
##
    [7849] "C" "T" "A" "A" "A" "A" "A" "C" "T" "T" "T" "A" "A" "T" "G" "G" "G" "A"
   [7867] "C" "A" "A" "A" "A" "G" "G" "A" "A" "G" "T" "T" "C" "C" "A" "G" "G" "T"
##
   [7885] "A" "T" "T" "C" "T" "T" "T" "C" "C" "G" "A" "C" "T" " " "C" "T" "C"
   [7903] "T" "G" "T" "A" "T" "A" "A" "G" "T" "T" "T" "T" "C" "A" "C" "G" "T" "T"
##
##
   [7921] "A" "A" "T" "A" "A" "G" "C" "G" "T" "G" "A" "T" "C" "T" "T" "A" "T" "T"
   [7939] "T" "G" "A" "G" "N" "N" "N" "N" "N" "N" "G" "T" "G" "A" "A" "A" "G" "G"
##
##
   [7957]
         [7975] "A" "A" "A" "C" "A" "C" "C" "A" "T" "T" "A" "T" "T" "T" "T" "G" "T" "A" "G"
##
   [7993] "G" "T" "T" "T" "T" "T" "A" "C" "C" "T" "A" "G" "T" "A" "A" "A" "T" "G" "T"
##
   [8011] "T" "T" "T" "A" "A" "C" "T" "T" "T" "A" "A" "G" "T" "G" "T" "C" "T" "G"
##
   [8029] "A" "A" "A" "T" "T" "A" "T" "T" "G" "T" "T" "G" " " "T" "A" "A" "A" "T" "C"
##
   [8047] "A" "T" "C" "G" "C" "A" "A" "T" "A" "A" "T" "T" "G" "T" "T" "A" "T" "T"
##
   [8065] "C" "A" "T" "C" "C" "C" "T" "G" "A" "C" "C" "C" "A" "G" "A" "A" "G" "C"
##
   [8083] "T" "T" "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "A" "T" "G" "G" "T" "T"
##
   [8101] "T" "T" "T" "A" "G" "G" "T" "C" "G" "G" "A" " " "G" "A" "A" "T" "A" "A"
##
    [8119] "T" "A" "C" "A" "A" "T" "C" "T" "G" "A" "A" "G" "A" "G" "T" "Y" "A" "C"
   [8137] "C" "T" "T" "C" "G" "T" "T" "T" "T" "A" "T" "T" "T" "T" "G" "T" "G" "T"
##
   [8155] "A" "G" "T" "A" "A" "T" "T" "T" "A" "C" "C" "A" "T" "C" "C" "T" "G" "T"
   [8173] "C" "C" "C" "A" "A" "T" "A" "G" "T" "T" " "T" "G" "G" "A" "G" "A" "A" "A"
##
   [8191] "T" "C" "A" "T" "G" "G" "T" "A" "A" "C" "C" "A" "G" "G" "G" "T" "C" "T"
   [8209] "C" "T" "G" "T" "A" "C" "A" "T" "A" "T" "C" "G" "T" "A" "C" "C" "T" "T"
##
    [8227] "G" "G" "T" "T" "C" "A" "T" "T" "G" "T" "A" "A" "C" "C" "T" "T" "T" "T"
##
   [8245] "C" "T" "T" "T" "C" "C" "A" "T" "T" " "C" "T" "T" "G" "T" "T" "C" "A"
##
   [8263] "G" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T" "A" "C" "A" "T" "T" "T"
##
    [8281] "G" "A" "C" "T" "C" "C" "T" "A" "G" "A" "C" "T" "T" "T" "T" "T" "G" "A" "A"
##
   [8299] "A" "C" "A" "G" "T" "C" "C" "C" "A" "T" "T" "A" "T" "T" "T" "T" "G"
##
   [8317] "G" "T" "G" "C" "A" "C" "A" "C" " " "T" "T" "T" "C" "T" "T" "A" "A" "T"
##
##
   [8335] "C" "A" "C" "A" "T" "A" "C" "G" "T" "C" "C" "C" "C" "C" "A" "T" "T" "A"
   [8353] "A" "C" "T" "C" "A" "A" "G" "A" "C" "C" "A" "A" "G" "A" "T" "T" "C" "T"
##
   [8371] "A" "A" "T" "T" "G" "T" "G" "T" "G" "A" "C" "T" "G" "A" "T" "C" "T" "C"
##
    [8389] "T" "G" "A" "T" "C" "A" "C" " " "C" "G" "T" "T" "A" "T" "T" "T" "T" "G"
   [8407] "T" "T" "C" "T" "T" "T" "T" "G" "T" "T" "G" "T" "G" "T" "A" "A" "C" "A"
##
   [8425] "A" "G" "C" "A" "A" "A" "T" "C" "A" "A" "C" "A" "A" "T" "T" "T" "G" "T" "T"
##
   [8443] "C" "T" "T" "G" "T" "A" "G" "T" "G" "A" "T" "C" "T" "T" "T" "A" "T" "T"
    [8479] "G" "A" "T" "T" "A" "A" "T" "A" "T" "T" "C" "A" "G" "A" "T" "G" "G" "A"
##
         "A" "A" "T" "G" "A" "T" "T" "C" "T" "C" "T" "C" "T" "A" "A" "T" "A" "T" "T"
##
    [8497]
   [8515] "T" "A" "G" "T" "A" "T" "A" "G" "T" "A" "A" "C" "T" "A" "A" "A" "A" "C" "T"
##
    [8551] "T" "T" "G" "T" "C" "G" "T" "C" "A" "T" "G" "G" "G" "G" "A" "A" "T" "T"
##
   [8569] "A" "A" "A" "T" "T" "C" "C" "C" "C" "T" "T" "T" "A" "A" "A" "A" "T" "G" "A"
##
   [8587] "G" "T" "A" "C" "A" "G" "T" "T" "T" "A" "T" "T" "T" "T" "C" "T" "T" "A" "T"
##
    [8605] "C" "C" "T" "T" " " "C" "T" "G" "T" "T" "G" "A" "C" "T" "T" "A" "A" "C"
##
    [8623] "C" "T" "A" "A" "A" "C" "A" "T" "A" "A" "G" "G" "A" "G" "G" "T" "T" "T"
##
```

```
[8641] "T" "A" "T" "A" "C" "A" "T" "T" "A" "A" "A" "C" "G" "T" "A" "C" "G" "T"
    [8659] "A" "C" "T" "G" "T" "A" "T" "T" "G" "G" "T" "A" "G" "A" "T" "A" "A" "A"
##
    [8677] "C" "A" "A" " " "G" "C" "G" "C" "A" "C" "C" "A" "A" "A" "A" "A" "C" "G" "G" "T"
##
   [8695] "T" "C" "T" "A" "T" "T" "A" "A" "T" "G" "T" "A" "G" "G" "T" "T" "A" "A"
##
   [8713] "T" "T" "T" "T" "T" "A" "C" "G" "A" "A" "G" "T" "C" "T" "A" "C" "T" "A"
   [8731] "C" "T" "G" "C" "G" "T" "A" "A" "G" "T" "G" "T" "A" "A" "T" "C" "A" "T"
##
   [8749] "T" "G" " " "T" "T" "T" "C" "C" "G" "A" "C" "A" "G" "G" "T" "G" "G" "T"
   [8767] "A" "C" "G" "C" "T" "T" "C" "A" "C" "A" "G" "G" "G" "T" "A" "C" "T" "C"
##
    [8785] "G" "A" "A" "T" "A" "T" "T" "T" "C" "T" "A" "G" "T" "C" "G" "T" "A" "A"
##
    [8803] "G" "G" "T" "T" "C" "T" "T" "A" "C" "A" "A" "G" "A" "C" "A" "A" "C" "A" "A" "T" "A"
##
    [8821] "G" " "A" "A" "A" "T" "A" "T" "C" "G" "G" "T" "G" "C" "C" "T" "T" "G"
   [8839] "G" "A" "G" "G" "T" "T" "C" "T" "C" "G" "A" "T" "C" "G" "A" "A" "A" "A" "A"
##
    ##
   ##
##
   [8893] " " "G" "A" "A" "A" "T" "C" "T" "C" "A" "G" "T" "A" "A" "A" "A" "A" "A" "G" "A"
   [8911] "A" "A" "A" "C" "A" "T" "T" "G" "T" "A" "A" "A" "A" "A" "A" "T" "C" "A" "G"
##
##
    [8929] "A" "A" "T" "C" "C" "C" "A" "G" "C" "A" "T" "G" "T" "A" "T" "A" "G" "T"
    [8947] "G" "A" "T" "T" "A" "T" "T" "A" "C" "T" "C" "T" "A" "G" "G" "G" "T" " "
##
   [8965] "A" "A" "A" "T" "A" "A" "T" "C" "G" "A" "C" "A" "T" "A" "C" "A" "T" "G"
##
   [8983] "T" "C" "A" "A" "C" "G" "T" "G" "T" "T" "A" "G" "T" "G" "G" "T" "T" "A"
##
   [9001] "G" "T" "T" "T" "C" "A" "A" "C" "T" "T" "A" "G" "A" "C" "G" "T" "A" "G"
##
   [9019] "T" "C" "T" "C" "T" "G" "T" "T" "T" "C" "A" "G" "T" "A" "A" "T" " "T"
##
   [9037] "C" "T" "A" "G" "A" "C" "T" "T" "A" "G" "C" "T" "G" "T" "T" "C" "G" "T"
##
   [9055] "C" "G" "C" "A" "T" "G" "G" "G" "C" "A" "T" "C" "C" "G" "T" "T" "G" "G"
##
   [9073] "T" "G" "A" "C" "A" "G" "A" "A" "T" "T" "T" "T" "G" "T" "C" "G" "A" "C"
##
    [9091] "A" "T" "G" "G" "A" "C" "C" "A" "C" "G" "T" "T" "G" "A" "G" " " "G" "A"
   [9109] "A" "A" "T" "A" "G" "T" "C" "T" "T" "G" "G" "T" "C" "G" "T" "G" "G" "T"
##
   [9127] "T" "T" "A" "C" "A" "T" "A" "T" "G" "A" "G" "A" "G" "A" "G" "T" "A" "T"
   [9145] "A" "A" "T" "A" "T" "C" "C" "C" "A" "T" "G" "T" "C" "G" "A" "T" "T" "A"
##
   [9163] "C" "A" "A" "T" "T" "A" "C" "A" "C" "A" "A" "A" "T" "T" "T" "A" "T"
   [9181] "A" "A" "C" "T" "G" "T" "G" "T" "C" "A" "A" "C" "T" "C" "A" "T" "A" "T"
##
   [9199] "A" "A" "A" "A" "C" "G" "C" "T" "G" "T" "A" "A" "G" "T" "A" "G" "T" "A"
##
   [9217] "A" "T" "A" "C" "G" "G" "A" "A" "A" "T" "C" "C" "A" "T" "T" "A" "C" "A"
##
   [9235] "A" "C" "G" "T" "G" "A" "T" "A" "G" "T" "G" "G" "T" " " "A" "T" "T" "A"
##
   [9253] "A" "A" "A" "C" "T" "T" "C" "C" "A" "G" "T" "G" "T" "G" "A" "A" "A" "A" "A"
##
   [9271] "G" "A" "T" "T" "A" "T" "C" "G" "T" "A" "A" "G" "A" "A" "A" "A" "C" "G" "T"
##
   [9289] "A" "A" "A" "A" "C" "A" "T" "T" "T" "C" "T" "A" "A" "T" "C" "C" "G" "T"
##
##
   [9307] "A" "T" "C" "G" "T" "T" "G" "T" "G" "G" "G" "C" " " "C" "A" "A" "A" "C" "G"
   [9325] "G" "T" "G" "C" "G" "A" "A" "C" "T" "G" "A" "T" "C" "T" "A" "A" "C" "A"
##
   [9343] "T" "T" "A" "A" "A" "A" "C" "C" "C" "A" "T" "T" "T" "T" "A" "C" "A" "A"
##
   [9361] "A" "G" "A" "T" "G" "T" "A" "C" "C" "G" "G" "T" "A" "G" "A" "A" "A" "T"
   [9379] "G" "T" "G" "G" "T" "T" "T" "C" "G" "T" "A" " " "T" "T" "T" "A" "C" "T"
##
   [9397] "T" "T" "A" "A" "A" "G" "A" "C" "A" "T" "A" "T" "C" "A" "G" "T" "T" "A"
##
   [9415] "T" "C" "A" "G" "T" "G" "A" "A" "A" "C" "T" "G" "T" "T" "G" "G" "A" "A"
   [9433] "T" "C" "T" "T" "T" "G" "A" "T" "G" "T" "C" "T" "A" "T" "T" "T" "A" "G"
   ##
    [9469] "G" "T" "T" "G" "T" "T" "T" "T" "A" "G" "T" "A" "G" "T" "T" "T" "C" "A" "T"
##
   [9487] "T" "A" "T" "T" "T" "A" "G" "T" "T" "A" "T" "T" "G" "T" "C" "T" "T" "G"
##
   [9505] "T" "G" "T" "G" "T" "G" "T" "G" "A" "A" "T" "C" "T" "A" "C" "T" "T" "G"
   [9523] "G" "A" "C" "A" "A" "A" "C" "G" "C" " " "G" "T" "A" "G" "A" "C" "A" "A"
##
          "T" "A" "C" "T" "T" "T" "A" "T" "C" "A" "A" "A" "A" "A" "T" "T" "T" "G" "A"
##
   Γ9541]
   [9559] "C" "A" "T" "G" "A" "C" "A" "G" "G" "T" "A" "T" "C" "C" "T" "T" "A" "T"
##
   ##
   [9595] "C" "C" "A" "C" "T" "A" "A" "G" " " "G" "A" "A" "T" "T" "T" "T" "T" "G" "C"
##
```

```
[9613] "A" "A" "A" "T" "C" "G" "A" "T" "C" "A" "G" "G" "T" "T" "A" "G" "T" "C"
   [9631] "A" "T" "C" "T" "A" "C" "A" "T" "T" "T" "G" "G" "T" "G" "G" "A" "T" "T"
##
   [9649] "G" "A" "C" "T" "G" "A" "T" "A" "C" "T" "G" "A" "T" "T" "T" "T" "A" "G"
   [9667] "A" "G" "G" "T" "A" "T" "T" " "T" "G" "C" "T" "A" "T" "A" "C" "A" "A"
   [9685] "G" "C" "T" "T" "C" "C" "G" "T" "A" "T" "C" "G" "G" "A" "A" "G" "A" "T"
   [9703] "T" "A" "A" "A" "T" "A" "T" "G" "G" "C" "A" "A" "G" "T" "T" "A" "C" "T"
##
   [9721] "T" "A" "A" "G" "T" "A" "G" "T" "A" "T" "C" "G" "A" "T" "T" "A" "A"
   [9739] "G" "A" "T" "T" "C" "T" " "T" "T" "A" "G" "T" "T" "A" "A" "A" "A" "A" "G" "G"
##
   [9757] "T" "A" "A" "A" "C" "T" "G" "A" "G" "G" "A" "C" "C" "C" "A" "A" "A" "T"
   [9775] "T" "T" "A" "A" "G" "A" "A" "C" "A" "T" "T" "T" "A" "A" "A" "G" "A" "T"
##
   [9793] "G" "A" "G" "A" "C" "T" "C" "A" "T" "T" "T" "C" "A" "T" "T" "T" "C" "A" "T" "T" "C" "A" "A"
   [9811] "A" "G" "T" "C" "C" " " "A" "T" "T" "A" "A" "C" "A" "A" "C" "C" "T" "G"
   [9847] "T" "A" "T" "T" "A" "T" "T" "A" "A" "C" "T" "T" "G" "A" "C" "A" "C" "A"
##
   [9865] "A" "A" "A" "A" "T" "G" "C" "C" "G" "A" "A" "G" "A" "G" "G" "T" "T" "A"
   [9883] "A" "T" "T" "A" " "C" "A" "C" "T" "G" "A" "G" "G" "T" "A" "A" "T" "T"
##
##
   [9919] "G" "A" "T" "G" "T" "C" "T" "A" "C" "C" "A" "A" "C" "A" "T" "T" "T" "T" "G"
   [9937] "G" "A" "A" "A" "T" "T" "G" "T" "G" "A" "T" "G" "G" "A" "A" "G" "A" "C"
   [9955] "A" "T" "T" " "A" "T" "T" "C" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T"
   [9973] "G" "C" "C" "C" "G" "T" "A" "A" "A" "G" "A" "T" "T" "T" "A" "T" "T" "C"
##
   [9991] "A" "G" "A" "T" "G" "A" "A" "C" "T" "G" "G" "T" "A" "G" "T" "T" "G" "A"
## [10009] "G" "A" "T" "G" "G" "T" "A" "G" "T" "T" "T" "T" "T" "T" "T" "C" "T" "G" "T"
  [10027] "C" "A" " "C" "T" "C" "A" "C" "C" "A" "C" "G" "T" "G" "T" "T" "T" "A"
  [10045] "G" "C" "A" "A" "A" "G" "T" "C" "A" "A" "C" "C" "A" "A" "A" "A" "G" "A" "A"
  [10063] "C" "C" "G" "A" "T" "A" "C" "A" "G" "T" "C" "A" "G" "T" "A" "T" "A" "T" "C" "T"
  [10099] "A" " "T" "A" "T" "A" "C" "A" "C" "G" "A" "C" "C" "T" "C" "G" "T" "A"
## [10117] "G" "A" "G" "A" "A" "A" "A" "C" "A" "T" "C" "A" "G" "G" "G" "T" "C" "T"
  [10135] "A" "G" "T" "G" "T" "C" "A" "T" "A" "A" "T" "C" "G" "T" "C" "G" "T" "T"
[10171] " " "A" "C" "T" "C" "A" "T" "A" "A" "A" "A" "G" "T" "G" "G" "A" "G" "A"
  [10189] "C" "C" "A" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T" "A" "C" "A" "A" "C"
## [10207] "G" "C" "G" "A" "A" "T" "C" "G" "G" "G" "T" "T" "T" "T" "C" "G" "A" "G" "T"
## [10225] "T" "T" "A" "C" "G" "A" "T" "G" "T" "A" "A" "T" "T" "G" "T" "C" "C" "
## [10261] "T" "T" "T" "G" "T" "T" "A" "A" "G" "A" "T" "G" "T" "A" "G" "T" "T" "G"
## [10279] "T" "G" "G" "T" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "C" "A" "C" "A" "C"
## [10297] "T" "T" "G" "T" "C" "A" "C" "A" "A" "T" "A" "A" "T" "T" "A" "C" " " "T"
  [10315] "A" "T" "C" "T" "T" "T" "G" "A" "C" "C" "A" "T" "G" "A" "A" "A" "G" "T" "G"
##
  [10333] "G" "G" "A" "C" "A" "A" "C" "A" "G" "G" "T" "A" "G" "T" "T" "T" "C" "A"
## [10351] "C" "A" "G" "G" "G" "A" "A" "T" "A" "A" "T" "G" "T" "T" "G" "T" "A"
## [10369] "A" "T" "T" "T" "T" "C" "G" "G" "T" "G" "T" "A" "A" "A" "A" "A" " " "G" "A"
## [10387] "T" "T" "T" "G" "A" "G" "A" "C" "T" "T" "C" "A" "G" "A" "A" "C" "A" "T"
## [10405] "T" "T" "T" "C" "A" "C" "A" "A" "G" "G" "T" "C" "T" "C" "C" "A" "A" "T"
## [10423] "A" "T" "T" "C" "A" "T" "A" "G" "T" "T" "T" "A" "A" "C" "A" "A" "A" "C"
  [10459] "C" "G" "G" "T" "C" "G" "A" "C" "T" "C" "T" "A" "G" "T" "A" "G" "T" "A"
  [10477] "C" "A" "A" "T" "A" "T" "T" "C" "G" "T" "A" "G" "C" "T" "C" "T" "A" "T"
## [10495] "G" "T" "T" "A" "G" "A" "C" "A" "T" "G" "A" "G" "T" "A" "A" "T" "C" "G"
## [10513] "T" "A" "C" "T" "A" "C" "A" "G" "A" "T" "G" "T" "C" " " "T" "G" "T" "C"
## [10531] "G" "T" "G" "G" "T" "G" "G" "A" "T" "T" "T" "A" "A" "C" "G" "T" "T" "G"
## [10549] "C" "A" "C" "A" "A" "T" "A" "T" "G" "T" "G" "C" "A" "T" "C" "G" "T" "C"
## [10567] "T" "G" "A" "A" "A" "T" "C" "A" "C" "C" "A" "T" "G" "T" "A" "T" "T" "A"
```

```
## [10585] "G" "A" "T" "A" "T" "A" "G" "A" "C" "T" "G" "T" " " "G" "A" "T" "G" "A"
   [10603] "A" "C" "A" "A" "A" "A" "G" "G" "T" "A" "C" "T" "C" "T" "G" "A" "G" "T"
  [10621] "G" "T" "A" "C" "C" "T" "G" "A" "C" "A" "G" "T" "C" "T" "C" "A" "T" "T"
## [10639] "A" "T" "C" "T" "T" "T" "T" "A" "C" "C" "A" "T" "T" "T" "A" "A" "C" "A"
## [10675] "T" "G" "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "T" "C" "G" "A" "C" "C"
## [10693] "A" "C" "A" "C" "A" "C" "C" "T" "T" "A" "C" "G" "T" "A" "C" "A" "A" "A" "A"
## [10711] "T" "A" "A" "A" "T" "G" "T" "A" "T" "G" "T" "T" "G" "T" "T" "G" "A" "C" "G" "G"
  [10729] "T" "G" "G" "T" "A" "G" "T" "G" "T" "T" " " "G" "G" "T" "C" "C" "G" "T"
  [10747] "T" "C" "A" "A" "T" "T" "C" "C" "A" "A" "T" "C" "T" "A" "T" "C" "G" "T"
  [10765] "G" "A" "G" "A" "T" "C" "A" "C" "A" "G" "T" "T" "T" "A" "G" "A" "T" "G"
## [10783] "T" "T" "T" "G" "T" "T" "A" "C" "C" "T" "T" "A" "A" "T" "T" "G" "T" "C"
  [10801] "C" "T" "A" "T" "A" "G" "A" "T" "A" " "G" "C" "T" "G" "T" "A" "A" "C"
## [10819] "G" "T" "T" "A" "A" "G" "G" "T" "T" "T" "T" "A" "T" "C" "C" "G" "T" "A"
## [10837] "T" "G" "T" "G" "G" "T" "A" "G" "A" "C" "A" "C" "T" "T" "A" "A" "A" "C"
## [10855] "A" "G" "T" "C" "T" "T" "A" "C" "A" "C" "A" "C" "C" "G" "T" "A" "T" "T"
  [10873] "C" "T" "T" "A" "T" "C" "T" "T" " "A" "T" "T" "A" "A" "A" "G"
  [10891] "A" "T" "A" "A" "A" "A" "A" "T" "A" "T" "C" "G" "A" "A" "A" "A" "C" "A" "G"
  [10909] "T" "G" "A" "T" "G" "T" "T" "C" "C" "G" "A" "C" "A" "C" "G" "T" "A" "G"
## [10927] "T" "A" "T" "C" "T" "T" "G" "A" "A" "G" "G" "T" "A" "A" "G" "A" "T" "G"
## [10945] "T" "A" "G" "T" "C" "G" "A" " " "A" "C" "T" "C" "C" "A" "T" "G" "T" "G"
## [10963] "T" "G" "A" "A" "T" "T" "A" "T" "C" "G" "A" "A" "A" "T" "C" "C" "C" "A"
## [10981] "A" "T" "G" "G" "T" "T" "A" "C" "A" "G" "C" "A" "C" "T" "T" "C" "T" "T"
## [10999] "G" "A" "C" "C" "C" "T" "T" "A" "A" "A" "C" "A" "G" "A" "C" "G" "A" "T"
## [11017] "T" "A" "T" "T" "A" "C" " " "G" "T" "C" "G" "A" "A" "A" "A" "T" "T" "G" "T"
  [11035] "T" "G" "G" "T" "A" "C" "A" "C" "A" "A" "C" "T" "T" "G" "G" "A" "A" "A"
## [11053] "G" "A" "T" "G" "T" "T" "C" "G" "G" "G" "G" "T" "A" "A" "T" "T" "A" "G"
## [11071] "A" "A" "G" "T" "C" "A" "A" "G" "T" "A" "G" "T" "G" "G" "T" "T" "A" "A"
## [11089] "T" "A" "T" "C" "C" " " "T" "A" "T" "A" "A" "G" "T" "T" "A" "T" "C" "A"
## [11107] "G" "G" "T" "C" "A" "G" "T" "T" "G" "T" "G" "C" "G" "A" "A" "T" "T" "G"
## [11125] "T" "T" "T" "C" "G" "T" "G" "A" "G" "C" "A" "C" "C" "T" "G" "T" "C" "G"
  [11143] "A" "T" "C" "T" "G" "T" "G" "A" "T" "C" "A" "G" "T" "A" "G" "T" "A"
  [11161] "A" "C" "G" "T" " " "A" "G" "T" "G" "T" "T" "G" "A" "T" "C" "G" "A" "T"
## [11179] "G" "T" "A" "C" "A" "C" "G" "T" "A" "A" "T" "G" "G" "T" "A" "C" "C" "T"
## [11197] "G" "A" "A" "C" "T" "G" "T" "T" "A" "T" "G" "T" "C" "T" "A" "G" "T" "A"
## [11215] "C" "C" "A" "A" "C" "G" "A" "A" "C" "G" "A" "T" "C" "C" "A" "A" "T" "G"
## [11233] "G" "A" "C" " "A" "T" "T" "T" "T" "G" "G" "G" "G" "T" "A" "A" "C" "A"
## [11251] "A" "C" "T" "T" "G" "T" "A" "G"
## [11269] "C" "C" "T" "A" "A" "T" "A" "T" "C" "T" "G" "C" "A" "T" "T" "A" "G" "T"
## [11287] "T" "T" "A" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "A" "C" "T" "A" "C" "G"
## [11305] "G" "T" " "T" "G" "T" "C" "C" "G" "T" "A" "T" "T" "C" "A" "C" "A" "G"
## [11323] "A" "C" "T" "T" "C" "G" "T" "C" "A" "C" "C" "T" "T" "T" "T" "T" "C" "G" "T"
## [11341] "A" "C" "A" "C" "C" "G" "T" "G" "C" "A" "G" "A" "T" "A" "G" "T" "G" "T"
## [11359] "A" "T" "C" "T" "G" "T" "G" "T" "C" "C" "A" "C" "G" "C" "G" "A" "G"
## [11377] "T" " "C" "C" "A" "G" "G" "A" "T" "A" "A" "A" "A" "G" "T" "G" "T" "T"
## [11395] "T" "T" "A" "T" "G" "A" "A" "G" "T" "A" "T" "C" "T" "A" "C" "A" "G" "T"
  [11413] "T" "G" "A" "G" "T" "T" "T" "C" "G" "G" "T" "A" "C" "A" "C" "G" "G" "G"
  [11431] "T" "A" "T" "T" "C" "T" "G" "T" "T" "T" "A" "T" "G" "C" "T" "G" "A" "G"
  [11449] " " "A" "C" "A" "G" "T" "C" "T" "C" "T" "C" "T" "A" "A" "A" "A" "A" "A" "T"
## [11467] "T" "C" "A" "C" "A" "C" "A" "G" "T" "G" "A" "A" "T" "T" "G" "T" "A" "A"
## [11485] "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "A" "A" "T" "A" "T" "G" "C" "G"
## [11503] "T" "G" "A" "T" "G" "T" "A" "A" "G" "G" "T" "T" "C" "C" "T" "T" "C" "
## [11521] "A" "G" "G" "A" "A" "A" "C" "A" "T" "G" "T" "A" "T" "T" "C" "A" "C" "C"
## [11539] "A" "T" "A" "C" "T" "C" "C" "A" "C" "A" "A" "A" "T" "T" "T" "A" "A" "C"
```

```
## [11557] "T" "A" "G" "A" "G" "G" "T" "C" "C" "G" "C" "C" "A" "C" "C" "A" "A" "A" "A"
   [11575] "T" "C" "G" "T" "G" "A" "T" "T" "G" "A" "G" "A" "C" "C" "T" "T" "T" "T"
  [11593] "T" "T" "A" "G" "A" "C" "A" "T" "A" "A" "T" "A" "A" "T" "C" "C" "A" "C"
## [11611] "A" "T" "A" "G" "T" "T" "G" "T" "A" "T" "G" "G" "G" "A" "C" "A" "T" "C"
## [11629] "C" "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "T" "C" "C" "A" "A" "T" "T"
## [11647] "G" "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "T" "T" "T" "T" "G" " " "G" "A"
## [11665] "T" "C" "G" "A" "C" "A" "T" "T" "C" "C" "A" "T" "T" "T" "A" "A" "C"
## [11683] "C" "A" "T" "G" "G" "T" "T" "G" "T" "C" "G" "A" "A" "G" "A" "G" "A" "T"
  [11701] "C" "A" "T" "C" "G" "T" "A" "C" "T" "G" "T" "G" "G" "G" "G" "A" "G" "C"
  [11719] "T" "G" "T" "A" "G" "C" "T" "T" "C" "G" "G" "T" "T" "A" " " "G" "G" "T"
  [11737] "A" "C" "G" "T" "G" "C" "A" "T" "G" "T" "A" "C" "A" "G" "A" "A" "T" "A"
## [11755] "T" "C" "G" "A" "A" "G" "A" "A" "G" "C" "G" "C" "C" "C" "A" "C" "T" "A"
  [11773] "T" "T" "T" "G" "T" "A" "C" "A" "A" "T" "C" "C" "C" "A" "T" "T" "G" "G"
## [11791] "T" "A" "A" "T" "T" "G" "A" "A" "C" "T" "A" "T" "T" " " "A" "A" "G" "T"
## [11809] "A" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "T" "A" "G" "T" "A" "T" "C"
## [11827] "T" "C" "T" "A" "C" "T" "C" "A" "G" "A" "A" "G" "A" "T" "A" "T" "C" "C"
  [11845] "A" "G" "T" "A" "C" "A" "G" "G" "A" "A" "T" "C" "C" "A" "T" "A" "C" "G"
  [11863] "G" "T" "C" "C" "A" "T" "A" "C" "A" "G" "T" "T" " " "G" "T" "G" "T" "A"
## [11881] "T" "T" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "A" "C" "T" "T" "A"
## [11899] "A" "A" "T" "C" "A" "C" "A" "G" "T" "T" "G" "T" "G" "A" "C" "T" "C" "C"
## [11917] "A" "C" "A" "C" "A" "T" "C" "C" "A" "C" "G" "G" "A" "C" "A" "C" "A" "T"
## [11935] "C" "C" "T" "A" "C" "A" "T" "T" "G" "G" "G" " " "T" "C" "A" "C" "T" "A"
## [11953] "A" "T" "G" "G" "A" "A" "T" "G" "A" "T" "G" "T" "T" "A" "G" "A" "A" "A"
## [11971] "T" "T" "T" "C" "T" "C" "A" "G" "G" "A" "C" "A" "A" "T" "G" "T" "A" "A"
## [11989] "A" "A" "G" "T" "C" "G" "A" "A" "C" "A" "T" "T" "T" "C" "A" "A" "C" "G"
  [12007] "G" "T" "G" "T" "A" "A" "G" "G" "A" "T" " " "G" "C" "A" "C" "C" "T" "T"
## [12025] "A" "A" "A" "G" "T" "T" "C" "T" "G" "A" "A" "C" "A" "T" "T" "T" "A" "A"
## [12043] "C" "G" "T" "T" "G" "A" "A" "C" "A" "G" "T" "A" "T" "T" "T" "C" "C" "A"
## [12061] "G" "A" "G" "A" "T" "A" "G" "T" "C" "T" "G" "T" "A" "A" "T" "A" "C" "G"
## [12079] "T" "T" "C" "A" "T" "A" "C" "G" " " "G" "A" "T" "G" "A" "A" "A" "A" "A"
## [12097] "C" "G" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "C" "G" "T" "T" "G" "T"
  [12115] "A" "A" "T" "T" "T" "A" "G" "A" "C" "A" "A" "A" "A" "T" "G" "T" "A" "A" "T"
## [12133] "G" "T" "T" "C" "T" "C" "A" "C" "T" "C" "G" "A" "C" "A" "A" "A" "G" "T"
## [12151] "C" "A" "C" "C" "A" "A" "A" "C" " " "T" "C" "A" "C" "T" "T" "A" "T" "A"
## [12169] "C" "T" "G" "T" "A" "T" "C" "A" "G" "T" "A" "T" "A" "A" "G" "A" "C" "T"
## [12187] "C" "G" "G" "G" "A" "C" "A" "C" "T" "A" "C" "T" "A" "G" "T" "T" "G"
## [12205] "T" "C" "A" "A" "A" "C" "T" "C" "A" "A" "C" "C" "A" "T" "C" "A" "G" "G"
## [12223] "G" "T" "T" "T" "T" "A" "G" " " "A" "A" "A" "C" "T" "C" "C" "G" "A" "T"
## [12241] "G" "T" "C" "G" "T" "A" "A" "G" "A" "C" "A" "C" "T" "T" "A" "A" "T" "A"
## [12259] "T" "T" "C" "C" "A" "C" "T" "T" "T" "A" "T" "T" "T" "T" "C" "T" "G" "T" "C"
## [12277] "G" "A" "A" "A" "A" "G" "G" "G" "T" "T" "C" "G" "T" "C" "C" "C" "A"
## [12295] "A" "T" "G" "C" "A" "C" " " "A" "T" "T" "C" "C" "T" "T" "A" "A" "G" "A"
## [12313] "G" "A" "A" "T" "G" "G" "T" "G" "C" "G" "G" "A" "T" "A" "A" "A" "C" "A"
## [12331] "C" "C" "G" "G" "A" "C" "A" "A" "T" "T" "A" "A" "C" "G" "T" "C" "T" "A"
## [12349] "C" "T" "T" "T" "G" "T" "A" "G" "T" "A" "C" "G" "C" "A" "C" "T" "A" "T"
## [12367] "T" "G" "T" "G" "G" " " "G" "A" "A" "T" "A" "T" "T" "T" "T" "G" "T" "A"
  [12385] "A" "A" "A" "T" "T" "T" "C" "G" "T" "A" "A" "C" "T" "C" "G" "A" "C" "T"
## [12403] "A" "A" "A" "C" "A" "G" "A" "A" "A" "A" "A" "C" "A" "C" "G" "A" "A" "A" "A"
## [12421] "T" "T" "C" "G" "A" "A" "T" "A" "T" "A" "G" "T" "A" "T" "T" "T" "T" "G"
## [12439] "G" "T" "T" "T" " "C" "G" "T" "G" "A" "G" "T" "G" "T" "C" "A" "C" "A"
## [12457] "G" "T" "T" "G" "T" "T" "A" "A" "A" "G" "T" "C" "G" "T" "C" "C" "T" "G"
## [12475] "T" "T" "G" "C" "G" "G" "C" "T" "G" "T" "T" "C" "A" "A" "G" "G" "C" "T"
## [12493] "C" "C" "T" "T" "G" "T" "A" "C" "A" "G" "A" "C" "C" "T" "G" "G" "A" "T"
## [12511] "A" "T" "C" " " "A" "A" "A" "G" "T" "A" "T" "T" "C" "A" "G" "A" "T"
```

```
## [12529] "G" "T" "G" "T" "G" "A" "C" "T" "T" "A" "A" "C" "T" "T" "T" "A" "T" "A"
  [12547] "A" "G" "A" "C" "C" "A" "A" "G" "A" "T" "C" "A" "C" "A" "C" "G" "G"
## [12565] "A" "A" "T" "C" "A" "A" "T" "C" "G" "T" "T" "A" "C" "A" "C" "G" "C" "A"
## [12583] "C" "C" " " "A" "C" "G" "T" "C" "C" "A" "T" "T" "A" "A" "C" "T" "C" "G"
## [12601] "T" "C" "C" "C" "A" "G" "C" "G" "G" "T" "T" "A" "C" "A" "T" "G" "T" "G"
## [12619] "T" "A" "T" "C" "A" "C" "G" "A" "A" "T" "C" "G" "T" "G" "C" "A" "T" "T"
## [12637] "A" "G" "A" "C" "C" "G" "T" "A" "A" "C" "T" "G" "T" "G" "T" "G" "A"
## [12655] "G" " " "T" "T" "A" "G" "T" "A" "T" "T" "A" "A" "A" "A" "C" "A" "C" "C"
## [12673] "G" "G" "T" "A" "A" "C" "T" "T" "T" "A" "A" "A" "G" "T" "A" "G" "T" "T"
## [12691] "T" "C" "T" "G" "T" "T" "G" "A" "T" "A" "T" "A" "G" "A" "C" "G" "A" "C"
  [12709] "A" "G" "C" "A" "G" "A" "G" "T" "C" "C" "G" "T" "T" "A" "C" "G" "T" "A"
## [12727] " " "A" "A" "T" "G" "T" "C" "A" "T" "G" "T" "T" "T" "T" "T" "C" "T" "G" "T"
## [12745] "A" "T" "G" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C" "A" "A" "C" "T" "T"
## [12763] "A" "A" "G" "T" "G" "A" "A" "A" "C" "T" "T" "A" "A" "A" "T" "A" "G" "T"
## [12781] "T" "T" "T" "G" "T" "G" "A" "G" "A" "T" "G" "T" "G" "C" "T" "C" "G" " "
## [12799] "T" "G" "C" "A" "C" "G" "T" "C" "C" "A" "T" "A" "T" "T" "A" "A" "G" "A"
  [12817] "T" "G" "A" "T" "G" "T" "A" "A" "A" "T" "A" "G" "A" "T" "A" "T" "C" "C"
## [12853] "G" "A" "G" "T" "G" "T" "A" "T" "C" "A" "C" "G" "T" "A" "G" "T" " "T"
## [12871] "G" "T" "C" "G" "C" "C" "G" "T" "A" "C" "T" "C" "T" "C" "G" "T" "T" "C"
## [12889] "G" "A" "C" "A" "T" "A" "T" "G" "T" "G" "A" "T" "A" "C" "G" "C" "T" "C"
## [12907] "G" "T" "C" "T" "T" "C" "C" "C" "A" "T" "C" "A" "T" "C" "T" "C" "T" "C" "T" "C"
## [12925] "G" "A" "T" "C" "C" "G" "G" "T" "T" "A" "T" "C" "G" "T" "T" " " "T" "T"
## [12943] "A" "C" "T" "G" "A" "G" "A" "A" "T" "G" "G" "T" "C" "A" "T" "G" "G" "T"
## [12961] "C" "C" "A" "C" "C" "A" "G" "G" "G" "G" "C" "A" "C" "C" "T" "C" "A" "C" "A" "T"
## [12979] "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "C" "G" "T" "A" "T" "G" "G" "T"
## [12997] "T" "G" "G" "A" "A" "A" "A" "C" "T" "A" "T" "T" "A" "A" " "A" " "A" "C" "G"
## [13015] "T" "T" "G" "T" "A" "A" "C" "G" "A" "T" "C" "T" "T" "T" "T" "T" "G" "A" "G"
## [13033] "T" "A" "G" "A" "C" "T" "C" "T" "A" "A" "A" "C" "T" "C" "A" "C" "A"
## [13051] "A" "C" "C" "C" "A" "T" "A" "T" "T" "C" "G" "G" "T" "C" "A" "T" "T" "A"
## [13069] "A" "G" "A" "T" "T" "G" "T" "A" "T" "C" "A" "C" "G" " " "A" "G" "A" "A"
  [13087] "C" "A" "C" "C" "G" "T" "G" "A" "T" "C" "A" "C" "A" "T" "C" "A" "C"
  [13105] "G" "T" "G" "A" "A" "T" "T" "A" "C" "C" "G" "T" "A" "A" "T" "G" "A" "C"
## [13123] "A" "T" "A" "C" "A" "C" "T" "A" "C" "A" "G" "T" "C" "G" "T" "G" "T" "T"
## [13141] "T" "T" "A" "T" "T" "A" "G" "T" "G" "G" "T" "T" " " "G" "T" "A" "A" "A"
## [13159] "T" "T" "A" "A" "A" "C" "A" "T" "T" "C" "A" "A" "C" "A" "A" "C" "A" "T"
## [13177] "G" "G" "A" "G" "C" "C" "A" "T" "T" "T" "G" "T" "T" "G" "T" "C" "G" "T"
## [13195] "A" "G" "T" "G" "G" "T" "A" "T" "C" "A" "G" "T" "G" "G" "A" "A" "A" "A" "A"
## [13213] "A" "G" "T" "T" "T" "C" "C" "A" "C" "A" "T" " " "G" "A" "G" "A" "G" "G"
## [13231] "A" "T" "A" "A" "A" "C" "A" "T" "G" "A" "A" "A" "T" "G" "A" "C" "A" "A"
## [13249] "A" "A" "A" "T" "C" "A" "A" "T" "G" "T" "G" "C" "T" "A" "T" "T" "G" "G"
## [13267] "T" "C" "A" "T" "T" "T" "C" "T" "G" "T" "A" "T" "T" "A" "A" "A" "G" "C"
## [13285] "C" "A" "A" "T" "T" "C" "A" "C" "C" "A" " "C" "C" "A" "G" "A" "T" "C"
## [13303] "C" "A" "A" "A" "T" "G" "G" "T" "T" "G" "A" "A" "G" "G" "G" "T" "A" "C"
## [13321] "T" "T" "C" "T" "A" "C" "A" "T" "T" "A" "A" "G" "A" "G" "A" "C" "A"
## [13339] "G" "T" "C" "T" "G" "T" "C" "G" "T" "G" "A" "A" "G" "T" "G" "C" "A" "T"
  [13357] "G" "T" "C" "A" "T" "C" "G" "T" "T" " "A" "T" "G" "G" "T" "A" "T" "T"
  [13375] "C" "T" "G" "T" "C" "A" "A" "A" "T" "T" "T" "A" "C" "A" "G" "A" "G" "G"
  [13393] "A" "G" "T" "C" "A" "T" "C" "G" "A" "A" "A" "C" "T" "C" "G" "C" "A" "A"
## [13411] "A" "G" "A" "C" "G" "A" "C" "G" "T" "T" "T" "T" "T" "C" "G" "A" "A" "C"
          "T" "C" "A" "G" "A" "A" "A" "G" " " "T" "C" "A" "T" "G" "T" "C" "A"
## [13429]
## [13447] "C" "A" "A" "T" "C" "G" "A" "T" "T" "T" "T" "A" "C" "A" "T" "T" "A" "G"
## [13465] "T" "G" "G" "T" "C" "G" "T" "A" "A" "A" "C" "A" "G" "G" "T" "C" "A" "G"
## [13483] "T" "G" "T" "A" "C" "A" "A" "C" "G" "T" "T" "A" "A" "C" "G" "T" "A" "A"
```

```
## [13501] "T" "T" "T" "C" "A" "G" "T" " " "C" "A" "T" "T" "G" "T" "A" "A" "T" "A"
   [13519] "G" "C" "G" "A" "T" "G" "G" "T" "T" "G" "T" "G" "T" "A" "C" "A" "T" "A"
  ## [13555] "G" "A" "A" "C" "A" "G" "G" "T" "A" "A" "T" "C" "G" "T" "G" "T" "G" "T"
## [13573] "T" "A" "C" "C" "T" "T" " "T" "T" "G" "A" "T" "T" "A" "C" "C" "C" "A"
## [13591] "T" "C" "A" "A" "A" "T" "A" "C" "A" "C" "T" "A" "A" "A" "T" "G" "T" "T"
## [13609] "A" "T" "T" "A" "T" "C" "G" "A" "G" "T" "A" "T" "G" "G" "A" "G" "G" "A"
## [13627] "T" "T" "C" "A" "T" "T" "C" "A" "A" "C" "T" "C" "A" "G" "T" "G" "T"
  [13645] "A" "G" "A" "C" "A" " "C" "T" "G" "T" "A" "G" "T" "G" "T" "T" "G" "G"
  [13663] "A" "C" "C" "T" "C" "G" "T" "A" "A" "C" "G" "T" "T" "T" "G" "T" "A" "T"
  [13681] "G" "C" "C" "T" "A" "A" "T" "T" "G" "T" "C" "T" "G" "T" "T" "C" "T" "C" "T" "G"
## [13699] "A" "T" "T" "A" "A" "A" "T" "A" "C" "A" "C" "T" "A" "C" "A" "A" "C" "T"
  [13717] "A" "T" "A" "C" " " "T" "G" "T" "A" "C" "C" "A" "G" "C" "A" "T" "T" "G"
## [13735] "T" "C" "G" "T" "A" "A" "A" "T" "G" "T" "G" "T" "A" "T" "T" "C" "T"
## [13753] "T" "A" "C" "C" "A" "G" "A" "T" "G" "C" "A" "T" "A" "C" "G" "T" "T" "C"
## [13771] "G" "T" "G" "G" "T" "G" "T" "A" "G" "A" "A" "T" "T" "A" "C" "T" "T" "C"
  [13789] "A" "G" "A" " "C" "A" "C" "T" "T" "A" "A" "C" "G" "T" "T" "T" "T" "C" "T"
## [13807] "T" "G" "T" "G" "T" "T" "C" "G" "G" "G" "G" "T" "T" "G" "T" "C" "G" "G"
## [13825] "A" "C" "A" "T" "T" "C" "T" "G" "A" "C" "A" "T" "A" "C" "G" "C" "C" "A"
## [13843] "C" "A" "C" "A" "T" "G" "T" "A" "T" "C" "G" "G" "A" "G" "T" "A" "T" "T"
## [13861] "T" "T" " " "G" "A" "G" "T" "C" "C" "A" "A" "G" "G" "G" "T" "T" "A" "T"
## [13879] "G" "G" "A" "A" "C" "T" "T" "C" "A" "C" "A" "A" "T" "A" "G" "T" "A" "A"
## [13897] "T" "C" "A" "T" "T" "C" "G" "T" "A" "T" "T" "G" "T" "C" "T" "T" "A" "T"
## [13915] "G" "T" "A" "C" "A" "G" "A" "T" "T" "G" "T" "A" "C" "A" "C" "A" "G" "G"
## [13933] "A" " " "C" "A" "A" "T" "T" "G" "A" "G" "T" "A" "G" "T" "A" "C" "A" "T"
  [13951] "C" "G" "A" "A" "A" "G" "A" "A" "T" "A" "C" "A" "T" "A" "A" "C" "A" "T"
## [13969] "T" "C" "A" "T" "G" "T" "T" "T" "A" "C" "T" "T" "T" "C" "T" "G" "T" "A"
## [13987] "G" "T" "C" "G" "T" "A" "T" "G" "A" "G" "G" "A" "C" "T" "A" "A" "T" "C"
## [14005] " " "C" "T" "A" "C" "A" "A" "T" "C" "A" "T" "T" "C" "A" "C" "C" "C"
## [14023] "A" "T" "T" "C" "G" "T" "A" "G" "A" "T" "A" "T" "C" "G" "A" "T" "T" "T"
## [14041] "C" "T" "G" "T" "G" "C" "T" "T" "G" "G" "G" "A" "A" "A" "G" "T" "T" "A" "G"
  [14059] "T" "A" "T" "T" "C" "A" "C" "A" "T" "G" "G" "T" "A" "G" "A" "C" "A" "
## [14077] "A" "A" "A" "A" "T" "G" "C" "T" "A" "T" "A" "G" "T" "A" "G" "A" "T" "G"
## [14095] "T" "T" "T" "T" "G" "T" "C" "G" "G" "C" "C" "G" "G" "G" "G" "A" "T" "C"
## [14113] "C" "T" "A" "A" "G" "A" "A" "C" "T" "A" "C" "C" "T" "A" "G" "A" "C" "C"
## [14131] "C" "A" "T" "T" "C" "C" "T" "T" "C" "C" "A" "T" "G" "T" "G" "T" " "A"
## [14149] "T" "T" "A" "G" "T" "A" "G" "T" "G" "G" "G" "A" "C" "A" "A" "A" "T" "T"
## [14185] "T" "C" "G" "T" "T" "T" "T" "A" "A" "G" "T" "A" "C" "T" "C" "C" "A" "G"
## [14203] "G" "A" "A" "A" "T" "C" "A" "T" "C" "C" "A" "G" "T" "C" " " "A" "G"
## [14221] "A" "G" "T" "C" "A" "G" "G" "T" "T" "G" "T" "A" "A" "A" "A" "C" "G" "A"
## [14239] "A" "G" "T" "C" "T" "G" "T" "A" "T" "T" "T" "T" "T" "T" "G" "T" "A" "A" "C"
## [14257] "A" "A" "A" "A" "C" "T" "A" "T" "T" "A" "T" "T" "T" "C" "T" "T" "G" "A"
## [14275] "C" "T" "G" "A" "A" "T" "T" "T" "C" "A" "A" "G" "A" "A" " " " "A" "T" "A"
## [14293] "C" "G" "A" "T" "C" "G" "G" "T" "G" "A" "T" "C" "T" "G" "G" "A" "A" "C"
## [14311] "T" "C" "T" "A" "C" "G" "T" "A" "T" "T" "C" "A" "C" "G" "A" "T" "A" "A"
  [14329] "C" "T" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "C" "G" "T" "A" "G"
## [14347] "C" "A" "G" "T" "C" "T" "C" "T" "C" "A" "T" "A" "G" " " "T" "A" "G" "T"
  [14365] "A" "A" "C" "T" "C" "T" "T" "T" "A" "C" "A" "A" "A" "A" "T" "G" "C" "G" "T"
## [14383] "T" "T" "A" "T" "A" "C" "G" "C" "A" "T" "T" "T" "T" "G" "A" "G" "T" "A"
## [14401] "A" "G" "T" "G" "T" "T" "C" "A" "G" "A" "C" "A" "C" "A" "G" "T" "T"
## [14419] "G" "T" "A" "G" "A" "G" "A" "T" "A" "A" "G" " " "A" "T" "A" "T" "C"
## [14437] "T" "C" "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "T" "C" "A" "G" "A" "C"
## [14455] "A" "C" "A" "A" "C" "A" "T" "T" "T" "A" "A" "C" "G" "C" "C" "T" "G" "T"
```

```
## [14473] "A" "T" "G" "A" "A" "T" "A" "G" "C" "C" "G" "T" "T" "A" "A" "A" "A" "C"
  [14491] "A" "A" "T" "G" "G" "T" "A" "G" "T" "C" "A" " " "T" "C" "T" "A" "T" "T"
## [14509] "T" "T" "C" "A" "C" "G" "T" "A" "A" "T" "T" "G" "T" "A" "A" "C" "C" "G"
## [14527] "G" "C" "A" "C" "T" "G" "T" "C" "G" "A" "A" "C" "T" "G" "T" "T" "T" "A"
## [14545] "C" "A" "A" "T" "T" "T" "T" "T" "G" "T" "G" "A" "T" "A" "A" "T" "C" "G"
## [14563] "T" "A" "T" "T" "C" "G" "T" "C" "A" "A" " " "C" "A" "C" "C" "G" "T" "A"
## [14581] "G" "A" "G" "G" "A" "C" "T" "A" "C" "T" "C" "C" "A" "A" "G" "G" "T" "G"
## [14599] "G" "A" "C" "C" "A" "A" "A" "T" "T" "G" "T" "A" "T" "A" "T" "C" "A" "C"
  [14617] "T" "T" "G" "A" "C" "G" "G" "T" "G" "T" "G" "T" "A" "C" "T" "G" "T"
## [14635] "A" "A" "A" "G" "T" "G" "A" "G" "T" " "T" "A" "T" "G" "A" "A" "C" "T"
  [14653] "C" "G" "T" "G" "T" "G" "A" "G" "T" "A" "A" "T" "C" "G" "A" "T" "T" "A"
## [14671] "G" "A" "T" "A" "T" "C" "T" "T" "T" "G" "C" "C" "A" "C" "A" "C" "T" "G"
  [14689] "T" "T" "C" "G" "A" "T" "G" "T" "G" "T" "G" "T" "G" "C" "A" "A" "C" "A" "T"
## [14707] "A" "C" "A" "A" "A" "C" "G" "C" " "T" "T" "C" "G" "T" "T" "C" "T" "T" "G"
## [14725] "T" "T" "C" "A" "C" "T" "C" "C" "G" "G" "T" "A" "T" "T" "A" "A" "A" "G" "A"
## [14743] "T" "T" "C" "G" "T" "A" "C" "A" "A" "T" "C" "C" "G" "T" "A" "C" "C" "G"
  [14761] "A" "G" "A" "T" "A" "G" "T" "G" "T" "A" "A" "A" "A" "T" "C" "C" "T" "A" "T"
## [14779] "T" "A" "G" "G" "G" "T" "T" " "G" "G" "G" "T" "A" "T" "T" "C" "C" "A"
## [14797] "C" "T" "C" "C" "C" "A" "A" "A" "A" "G" "A" "T" "G" "T" "A" "G" "T" "G"
## [14815] "A" "T" "A" "T" "T" "T" "G" "T" "C" "A" "A" "A" "A" "A" "T" "T" "G" "T"
## [14851] "T" "C" "T" "T" "A" "A" " " "A" "C" "G" "A" "A" "C" "A" "A" "G" "G" "T"
## [14869] "T" "A" "A" "T" "G" "A" "T" "G" "T" "C" "A" "T" "C" "G" "A" "G" "G" "A"
## [14887] "G" "A" "T" "C" "A" "C" "C" "G" "C" "G" "A" "T" "A" "A" "C" "T" "A"
## [14923] "T" "T" "G" "A" "C" " " "A" "G" "A" "T" "A" "A" "C" "C" "A" "G" "T" "A"
## [14941] "T" "C" "A" "T" "G" "A" "T" "G" "T" "C" "T" "A" "T" "C" "T" "C" "T" "G"
## [14959] "T" "G" "G" "T" "C" "G" "A" "T" "G" "C" "C" "A" "C" "G" "C" "T" "C" "G"
## [14977] "A" "G" "A" "T" "A" "A" "G" "A" "A" "A" "C" "G" "T" "G" "A" "T" "T" "A"
## [14995] "C" "C" "G" "T" " " "A" "T" "G" "A" "A" "T" "T" "C" "T" "A" "A" "A" "G" "T"
## [15013] "A" "A" "A" "C" "T" "C" "A" "A" "T" "C" "A" "T" "C" "C" "C" "T"
  ## [15049] "T" "A" "C" "G" "C" "T" "T" "T" "T" "C" "A" "C" "G" "T" "A" "G" "A" "A"
## [15067] "C" "T" "A" " " "G" "G" "A" "G" "T" "A" "T" "T" "G" "A" "G" "T" "A" "A"
## [15085] "C" "T" "T" "A" "G" "T" "A" "T" "T" "A" "T" "T" "T" "C" "A" "G" "A" "T"
## [15103] "C" "G" "G" "A" "A" "T" "G" "G" "G" "G" "T" "A" "A" "A" "T" "A" "A" "T"
## [15121] "T" "T" "A" "C" "C" "T" "T" "T" "T" "G" "G" "T" "C" "G" "A" "C" "T" "A"
## [15157] "C" "T" "A" "C" "T" "G" "A" "A" "C" "C" "A" "A" "T" "C" "G" "T" "A" "A"
  [15175] "T" "T" "A" "T" "G" "T" "C" "G" "G" "T" "G" "G" "T" "A" "G" "C" "A" "T"
##
## [15193] "T" "G" "T" "T" "A" "G" "T" "T" "C" "A" "T" "G" "A" "A" "T" "A" "G"
## [15211] "T" " " "T" "G" "T" "T" "G" "A" "A" "G" "T" "T" "G" "A" "T" "G" "A" "T" "G" "T" "T"
## [15229] "T" "A" "T" "C" "A" "T" "C" "A" "A" "G" "A" "C" "T" "A" "T" "A"
## [15247] "G" "T" "G" "T" "G" "T" "A" "A" "C" "A" "A" "C" "C" "A" "T" "C" "T" "A"
## [15265] "A" "T" "A" "T" "T" "G" "C" "T" "A" "T" "C" "A" "T" "C" "A" "G" "T" "A"
## [15283] " " "T" "T" "A" "G" "C" "G" "A" "C" "T" "A" "T" "C" "G" "T" "C" "G" "T"
  [15301] "A" "A" "T" "G" "G" "T" "A" "G" "G" "A" "C" "T" "C" "G" "T" "T" "T" "C"
  ## [15355] "T" "T" "T" "C" "T" "T" "G" "G" "G" "A" "A" "T" "C" "T" "G" "T" "G"
## [15373] "T" "C" "G" "T" "T" "T" "C" "A" "G" "T" "A" "T" "C" "T" "T" "C" "A" "G"
## [15391] "A" "A" "A" "C" "A" "A" "T" "T" "T" "T" "A" "A" "T" "G" "G" "C" "C" "C"
## [15409] "A" "A" "A" "C" "T" "G" "T" "C" "A" "A" "A" "C" "T" "T" "T" "T" " "C"
## [15427] "G" "T" "T" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T" "T" "C" "A" "C"
```

```
## [15445] "G" "T" "C" "G" "A" "T" "G" "A" "C" "T" "T" "T" "T" "C" "G" "T" "G" "C"
  [15463] "A" "T" "C" "A" "C" "G" "C" "A" "A" "A" "A" "A" "G" "A" "T" "C" "A" "T"
## [15481] "T" "A" "T" "C" "T" "A" "A" "T" "G" "G" "T" "C" "T" "T" "C" " " "G" "T"
## [15499] "C" "G" "C" "A" "C" "G" "T" "A" "T" "C" "G" "T" "C" "C" "C" "C" "A" "G" "T"
## [15517] "C" "G" "T" "C" "G" "T" "A" "T" "G" "T" "G" "T" "T" "C" "A" "T" "T" "A"
## [15535] "A" "G" "G" "A" "A" "T" "T" "T" "T" "G" "A" "T" "T" "C" "A" "G" "A" "T"
## [15553] "C" "T" "C" "G" "A" "T" "A" "C" "A" "T" "T" "C" "A" "A" " " " "A" "T" "G"
## [15571] "T" "A" "G" "G" "A" "C" "T" "A" "A" "T" "A" "C" "A" "T" "G" "T" "T" "G"
  [15589] "T" "G" "G" "A" "T" "C" "G" "A" "G" "A" "G" "A" "C" "T" "T" "C" "A" "C"
  [15607] "C" "A" "T" "A" "G" "G" "T" "C" "A" "A" "C" "T" "T" "T" "G" "A" "T" "G"
  [15625] "T" "T" "T" "A" "C" "C" "T" "T" "G" "T" "G" "G" "T" " " "A" "G" "T" "T"
## [15643] "G" "T" "T" "A" "T" "A" "A" "A" "A" "G" "A" "G" "T" "G" "A" "T"
  [15661] "C" "A" "C" "C" "A" "G" "G" "T" "T" "T" "T" "G" "A" "A" "C" "A" "T" "T"
## [15679] "C" "A" "C" "C" "C" "T" "T" "G" "T" "G" "A" "C" "A" "T" "C" "T" "C" "T"
## [15697] "T" "A" "T" "T" "T" "T" "G" "T" "A" "A" "T" "T" " " " "T" "C" "A" "A" "A"
## [15715] "C" "G" "T" "G" "T" "T" "A" "C" "G" "T" "C" "T" "T" "A" "C" "G" "T" "A"
  [15733] "G" "A" "C" "A" "G" "T" "A" "G" "T" "T" "T" "T" "G" "T" "C" "A" "A" "T"
  [15751] "T" "G" "T" "G" "T" "T" "A" "A" "A" "C" "C" "C" "A" "C" "C" "A" "T" "A"
  [15769] "C" "A" "G" "A" "C" "T" "A" "G" "G" "G" "T" " " "T" "A" "T" "A" "A" "A" "A"
## [15787] "T" "T" "T" "T" "A" "T" "T" "G" "C" "C" "A" "G" "T" "T" "T" "C" "T" "C"
## [15805] "A" "A" "A" "A" "T" "T" "G" "G" "A" "G" "A" "G" "A" "G" "A" "G" "C" "A"
## [15841] "T" "A" "G" "G" "G" "T" "G" "A" "A" "T" " " "T" "A" "C" "A" "T" "T" "C"
## [15859] "C" "G" "A" "A" "A" "C" "A" "A" "T" "T" "C" "A" "G" "T" "C" "A" "C" "A"
## [15877] "G" "T" "T" "G" "T" "A" "C" "A" "C" "T" "G" "A" "G" "A" "C" "G" "T" "C"
  [15895] "A" "A" "T" "T" "T" "C" "G" "G" "G" "A" "C" "C" "A" "G" "T" "T" "C" "C"
## [15913] "A" "A" "T" "T" "A" "T" "A" "T" "C" " " "C" "G" "T" "A" "A" "T" "T" "G"
  [15931] "T" "T" "A" "C" "T" "T" "A" "T" "T" "A" "T" "T" "C" "T" "T" "A" "G" "A"
## [15949] "T" "G" "T" "T" "G" "T" "C" "C" "T" "T" "G" "A" "G" "G" "T" "G" "A" "T"
## [15967] "G" "G" "A" "C" "C" "G" "C" "A" "C" "C" "A" "A" "A" "C" "A" "T" "A" "C"
## [15985] "T" "T" "A" "G" "T" "G" "G" " " "C" "T" "T" "A" "G" "T" "A" "T"
  [16003] "G" "G" "T" "C" "A" "A" "T" "G" "G" "T" "A" "A" "C" "T" "C" "T" "A" "G"
  [16021] "A" "A" "C" "T" "A" "A" "T" "A" "G" "A" "T" "T" "A" "C" "A" "G" "T" "C"
  ## [16057] "T" "A" "A" "A" "G" "C" "G" " " "T" "A" "C" "C" "G" "T" "A" "G" "T" "G"
## [16075] "T" "C" "T" "T" "A" "A" "C" "A" "T" "G" "A" "C" "A" "A" "A" "A" "A" "A" "T"
## [16093] "T" "G" "T" "T" "T" "C" "G" "A" "A" "C" "C" "G" "C" "A" "T" "G" "T" "G"
## [16111] "C" "A" "A" "G" "T" "G" "G" "A" "T" "T" "C" "A" "A" "A" "C" "C" "G" "C" "A"
## [16129] "T" "A" "T" "G" "C" "G" " " "C" "A" "T" "T" "A" "T" "A" "T" "A" "T" "A" "G" "A"
  [16147] "C" "C" "C" "A" "A" "A" "A" "G" "A" "T" "G" "T" "T" "T" "T" "T" "A" "G" "T"
##
  ## [16183] "T" "T" "A" "A" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "T"
  [16201] "G" "T" "T" "A" "A" " " "C" "A" "T" "A" "C" "A" "C" "A" "C" "T" "G" "T" "T" "C"
## [16219] "A" "T" "A" "A" "A" "G" "A" "A" "A" "A" "T" "T" "A" "C" "A" "C" "A" "G"
## [16237] "T" "G" "T" "T" "A" "A" "T" "G" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T"
## [16255] "T" "A" "C" "G" "G" "A" "A" "T" "T" "T" "C" "G" "T" "A" "T" "C" "T" "G"
  [16273] "C" "T" "C" "C" " " "A" "G" "A" "C" "G" "G" "T" "A" "A" "C" "A" "C" "A"
  [16291] "T" "A" "A" "A" "T" "C" "A" "T" "C" "T" "G" "C" "T" "G" "C" "A" "A" "C" "T" "G"
  [16309] "C" "A" "C" "T" "A" "T" "A" "T" "A" "C" "A" "C" "C" "A" "T" "G" "G" "T"
## [16327] "A" "C" "A" "G" "T" "G" "G" "C" "A" "G" "A" "T" "A" "A" "G" "A" "T" "T"
  [16345] "T" "G" "A" " " "A" "T" "T" "C" "T" "T" "C" "A" "G" "T" "A" "C" "A"
## [16363] "A" "A" "T" "C" "G" "T" "T" "G" "T" "C" "G" "A" "C" "C" "T" "G" "T" "T"
## [16399] "T" "A" "A" "C" "A" "A" "G" "A" "A" "G" "T" "A" "C" "A" "A" "C" "C"
```

```
## [16417] "A" "T" " "C" "A" "A" "T" "C" "T" "C" "T" "T" "T" "C" "A" "C" "A" "C"
  [16435] "A" "G" "A" "G" "A" "A" "T" "T" "G" "A" "T" "G" "T" "T" "C" "A" "T"
## [16453] "T" "C" "T" "T" "A" "G" "T" "T" "A" "A" "T" "T" "T" "A" "A" "C" "A" "G"
## [16489] "C" " " "T" "T" "C" "G" "C" "T" "G" "T" "T" "G" "T" "T" "A" "A" "T" "C"
## [16507] "A" "A" "A" "A" "A" "T" "C" "C" "T" "T" "A" "A" "A" "T" "C" "G" "T" "T"
## [16525] "T" "T" "G" "G" "T" "C" "G" "A" "T" "G" "A" "A" "A" "A" "T" "A" "G" "T" "A"
## [16543] "A" "C" "A" "T" "C" "T" "A" "C" "A" "G" "T" "T" "T" "T" "C" "G" "G" "G"
  [16561] " " "A" "C" "A" "T" "A" "T" "G" "C" "T" "G" "T" "A" "G" "T" "C" "A" "T"
  [16579] "G" "A" "T" "C" "A" "C" "G" "G" "A" "C" "A" "C" "G" "G" "C" "G" "T" "G"
  [16597] "C" "C" "A" "C" "A" "T" "T" "C" "T" "G" "C" "C" "C" "C" "G" "A" "C" "G" "T"
## [16615] "G" "A" "A" "T" "G" "T" "G" "G" "C" "G" "T" "T" "T" "G" "G" "G" "C" "
  [16633] "A" "A" "A" "T" "T" "T" "T" "T" "G" "C" "T" "A" "A" "A" "C" "A" "C" "G" "T"
## [16651] "A" "G" "T" "C" "G" "A" "C" "T" "G" "A" "C" "T" "T" "C" "G" "T" "A" "C"
## [16669] "C" "C" "A" "A" "G" "C" "G" "C" "C" "T" "C" "A" "A" "C" "T" "A" "G" "T"
## [16687] "G" "T" "T" "G" "A" "T" "G" "T" "C" "G" "G" "T" "A" "T" "T" "G" " " "G"
  [16705] "A" "A" "A" "G" "G" "T" "G" "T" "A" "T" "G" "G" "C" "G" "T" "C" "T" "G"
  [16741] "T" "T" "C" "A" "C" "A" "T" "T" "T" "T" "G" "G" "G" "T" "G" "T" "C" "C"
## [16759] "C" "A" "G" "T" "A" "A" "T" "C" "G" "T" "G" "T" "T" "C" "A" " " "A" "C"
## [16777] "A" "T" "C" "C" "A" "T" "A" "A" "A" "C" "A" "T" "G" "T" "A" "T" "G" "A"
## [16795] "A" "T" "G" "G" "A" "A" "A" "T" "T" "C" "A" "G" "T" "G" "T" "T" "T"
## [16813] "T" "A" "G" "G" "A" "A" "A" "T" "C" "C" "T" "A" "A" "A" "C" "C" "T" "A"
## [16831] "C" "T" "A" "G" "A" "T" "A" "C" "A" "C" "C" "G" "T" "T" " " "G" "C" "C"
## [16849] "G" "T" "C" "A" "T" "G" "T" "C" "T" "G" "T" "G" "T" "G" "T" "G" "T" "A"
  ## [16885] "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "A" "C" "C" "G" "A" "A" "G" "G"
  [16903] "C" "C" "A" "C" "A" "T" "T" "G" "A" "C" "A" "A" "T" " " "A" "A" "C" "G"
## [16921] "G" "A" "C" "T" "G" "G" "T" "C" "A" "T" "G" "G" "T" "C" "A" "C" "A" "C"
## [16939] "A" "C" "A" "T" "G" "T" "G" "T" "G" "T" "A" "G" "A" "A" "T" "T" "G"
## [16957] "T" "G" "T" "T" "A" "A" "T" "C" "A" "C" "T" "A" "A" "C" "C" "A" "A" "C"
  [16975] "A" "G" "G" "G" "G" "G" "T" "G" "A" "T" "C" "G" " "A" "T" "C" "T" "A"
## [16993] "T" "T" "A" "G" "A" "A" "A" "C" "A" "T" "T" "C" "G" "A" "A" "A" "A" "T" "C"
## [17011] "G" "T" "C" "G" "T" "A" "G" "A" "T" "G" "T" "C" "G" "T" "T" "T" "T" "C"
## [17029] "G" "T" "G" "T" "C" "T" "T" "C" "T" "A" "T" "A" "T" "A" "T" "G" "T" "C"
## [17047] "A" "A" "C" "T" "T" "A" "A" "C" "C" "G" "T" " " "C" "C" "G" "T" "G" "A"
## [17065] "A" "G" "A" "C" "A" "A" "C" "G" "T" "A" "A" "T" "G" "G" "T" "C" "G" "A"
## [17083] "A" "C" "A" "T" "C" "T" "G" "C" "A" "T" "G" "A" "C" "A" "C" "A" "C" "G" "T"
## [17101] "C" "G" "A" "T" "T" "T" "G" "A" "T" "G" "G" "T" "T" "C" "A" "T" "G" "G"
## [17119] "T" "A" "T" "G" "G" "A" "G" "A" "T" "A" " " "A" "A" "T" "C" "C" "A" "A"
## [17155] "C" "A" "T" "A" "T" "T" "T" "A" "T" "G" "A" "A" "G" "T" "G" "A" "A" "A"
## [17173] "T" "C" "C" "T" "G" "G" "A" "A" "A" "T" "C" "C" "A" "C" "A" "C" "A" "G"
## [17209] "C" "A" "C" "C" "A" "A" "G" "G" "T" "C" "A" "A" "G" "A" "C" "A" "T" "A"
## [17227] "T" "C" "T" "A" "T" "C" "A" "T" "G" "G" "T" "C" "A" "A" "G" "G" "T" "A"
  [17245] "G" "T" "G" "A" "G" "A" "A" "T" "C" "C" "C" "T" "T" "A" "G" "A" "T" "C"
## [17263] "G" "G" "G" "T" "A" "A" "A" "G" " " "T" "T" "T" "A" "G" "G" "A" "C" "A"
  [17281] "T" "T" "T" "A" "G" "C" "C" "T" "A" "T" "T" "G" "T" "C" "A" "C" "G" "T"
## [17299] "T" "C" "A" "T" "G" "T" "T" "T" "G" "G" "A" "T" "G" "G" "A" "G" "G" "G" "G"
## [17317] "A" "A" "A" "C" "A" "A" "C" "A" "C" "A" "T" "T"
## [17335] "C" "G" "A" "T" "T" "G" "C" " " "G" "T" "A" "A" "C" "A" "G" "T" "A" "G"
## [17353] "T" "C" "A" "C" "G" "T" "T" "C" "G" "T" "C" "A" "A" "A" "A" "C" "A" "C" "A"
## [17371] "T" "C" "A" "T" "G" "G" "C" "C" "G" "T" "C" "G" "T" "G" "T" "T" "C" "T"
```

```
## [17389] "G" "T" "A" "G" "A" "C" "A" "G" "C" "A" "T" "C" "A" "C" "G" "T" "T" "G"
  ## [17425] "A" "G" "A" "C" "A" "T" "T" "A" "A" "A" "C" "T" "G" "T" "C" "G" "T" "C"
## [17443] "T" "T" "A" "A" "C" "C" "G" "G" "G" "A" "A" "T" "T" "T" "C" "G" "A" "C"
## [17461] "A" "A" "T" "G" "T" "T" "A" "T" "T" "C" "T" "C" "C" "G" "G" "T" "A" "C"
## [17479] "G" "A" "T" "T" "T" " "A" "A" "T" "C" "C" "A" "C" "T" "T" "A" "A" "C"
## [17497] "A" "G" "G" "T" "A" "T" "G" "A" "T" "G" "A" "A" "A" "A" "G" "T" "G" "A" "T"
## [17515] "T" "C" "A" "A" "C" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "T" "G" "A" "T"
  [17533] "A" "G" "A" "C" "G" "T" "A" "G" "A" "T" "G" "T" "T" "G" "T" "A" "C" "A"
## [17551] "A" "C" "C" "T" " "A" "A" "A" "G" "G" "G" "T" "G" "T" "T" "A" "C" "G"
  [17569] "A" "C" "T" "A" "C" "G" "T" "A" "T" "T" "C" "A" "T" "T" "T" "T" "A" "C" "A"
## [17587] "A" "C" "A" "T" "G" "G" "T" "A" "G" "T" "G" "T" "G" "C" "A" "T" "A" "A"
## [17605] "A" "A" "A" "T" "A" "T" "A" "C" "A" "C" "A" "A" "T" "A" "T" "C" "A" "G"
## [17623] "A" "C" "C" " " "A" "T" "A" "C" "T" "G" "T" "G" "G" "T" "A" "A" "T"
## [17641] "C" "A" "A" "C" "C" "G" "A" "C" "G" "A" "C" "A" "C" "A" "T" "T"
## [17659] "C" "T" "C" "C" "A" "T" "A" "A" "T" "A" "C" "A" "A" "G" "T" "T" "C" "C"
  [17677] "C" "T" "T" "G" "T" "G" "T" "T" "G" "G" "T" "A" "G" "A" "G" "A" "A" "C"
## [17695] "G" "T" " "A" "A" "C" "A" "A" "C" "T" "A" "T" "T" "A" "C" "A" "A" "C"
## [17713] "A" "A" "C" "T" "C" "A" "C" "G" "T" "A" "G" "T" "A" "A" "T" "A" "G" "G"
## [17731] "T" "T" "G" "A" "A" "A" "G" "A" "T" "T" "C" "G" "T" "A" "T" "C" "A" "C"
## [17749] "T" "T" "T" "T" "C" "G" "T" "A" "A" "C" "A" "G" "A" "C" "G" "T" "A" "T"
## [17767] "C" " " "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "A" "A" "A" "A" "A" "C" "G"
## [17785] "G" "G" "A" "G" "A" "A" "C" "A" "G" "G" "A" "G" "T" "C" "T" "A" "G" "A"
## [17803] "T" "C" "G" "G" "A" "C" "A" "A" "A" "T" "A" "T" "G" "T" "A" "A" "A" "A" "C"
## [17821] "C" "C" "A" "G" "T" "A" "T" "C" "G" "A" "A" "C" "T" "A" "G" "T" "C" "G"
  [17839] " " "G" "T" "A" "G" "A" "A" "A" "A" "G" "G" "T" "T" "G" "A" "A" "T" "G"
## [17857] "C" "A" "A" "C" "G" "T" "A" "C" "G" "A" "C" "G" "T" "A" "G" "T" "G"
## [17875] "C" "C" "A" "G" "T" "T" "A" "A" "G" "T" "C" "T" "A" "A" "A" "T" "C"
## [17893] "G" "G" "T" "G" "T" "A" "A" "G" "T" "T" "T" "C" "T" "G" "A" "A" "G" " "
## [17911] "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "T" "T" "C" "T" "T" "G" "T"
## [17929] "T" "G" "A" "A" "G" "T" "C" "T" "A" "G" "T" "G" "G" "T" "A" "A" "T"
  [17947] "C" "G" "T" "T" "G" "T" "C" "G" "A" "C" "G" "A" "C" "G" "A" "T" "A" "T" "T"
## [17965] "C" "G" "A" "A" "G" "A" "A" "C" "T" "C" "G" "T" "C" "A" "T" "C" " " "G"
## [17983] "T" "T" "T" "T" "C" "G" "A" "C" "G" "T" "A" "T" "A" "C" "T" "A" "C" "C"
## [18001] "T" "T" "C" "C" "C" "T" "T" "G" "A" "T" "T" "T" "G" "A" "G" "A" "C" "T"
## [18019] "C" "C" "G" "A" "T" "A" "T" "C" "G" "A" "A" "C" "A" "T" "T" "C" "C" "A"
## [18037] "A" "C" "G" "G" "G" "A" "C" "A" "G" "A" "G" "G" "T" "C" " " "G" "T"
## [18055] "A" "A" "A" "G" "A" "A" "G" "T" "G" "T" "T" "T" "T" "C" "G" "A" "A" "A" "C" "A"
## [18073] "A" "A" "T" "A" "C" "A" "G" "A" "T" "G" "T" "C" "G" "T" "G" "G" "G" "G" "A"
## [18091] "C" "G" "T" "A" "C" "C" "T" "T" "T" "C" "G" "T" "T" "T" "T" "T" "G" "T" "C"
## [18109] "T" "T" "T" "C" "A" "T" "C" "A" "C" "T" "T" "T" "G" "G" " " " "T" "A" "A"
## [18127] "A" "A" "A" "A" "G" "T" "T" "T" "C" "C" "G" "A" "A" "G" "T" "C" "A" "T"
## [18145] "C" "A" "T" "A" "G" "A" "A" "A" "T" "C" "G" "A" "T" "T" "C" "T" "C" "T"
## [18163] "T" "A" "C" "A" "G" "T" "A" "A" "C" "A" "C" "A" "T" "T" "G" "A" "C" "C"
## [18181] "T" "G" "T" "G" "T" "A" "A" "C" "T" "C" "G" "G" "G" " " " "T" "G" "T" "T"
## [18199] "A" "A" "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A" "A" "G" "A" "T" "G"
  [18217] "A" "G" "A" "C" "T" "C" "A" "A" "C" "A" "A" "C" "G" "T" "T" "T" "T" "T" "G"
  [18235] "A" "C" "T" "C" "T" "C" "A" "T" "C" "T" "G" "A" "T" "G" "A" "T" "G" "A" "C" "T"
  [18253] "A" "C" "A" "C" "G" "T" "G" "A" "A" "A" "T" "G" " " "T" "A" "G" "A" "C"
## [18271] "T" "G" "T" "A" "A" "A" "T" "C" "T" "G" "A" "C" "A" "T" "G" "T" "C"
## [18289] "A" "C" "C" "G" "A" "T" "G" "A" "A" "A" "C" "T" "A" "T" "G" "T" "T" "C"
## [18325] "T" "G" "T" "T" "A" "A" "A" "T" "T" "A" "C" " " "A" "A" "C" "T" "C" "A"
## [18343] "A" "A" "C" "T" "T" "C" "C" "G" "T" "A" "G" "A" "T" "A" "C" "G" "A" "T"
```

```
## [18361] "A" "A" "G" "A" "A" "C" "C" "C" "A" "C" "C" "C" "T" "C" "A" "T" "C" "A"
  [18379] "G" "G" "G" "A" "C" "A" "C" "T" "A" "A" "G" "T" "A" "T" "A" "T" "A"
  [18397] "G" "A" "T" "T" "T" "G" "A" "G" "G" "A" " " "C" "A" "C" "A" "C" "A" "T" "C" "T"
## [18415] "T" "T" "G" "A" "T" "T" "C" "A" "T" "T" "A" "G" "T" "A" "G" "T" "A" "T" "T" "T" "G"
## [18433] "T" "G" "G" "T" "T" "C" "T" "C" "A" "G" "T" "C" "A" "G" "A" "T" "T" "T"
## [18451] "C" "A" "T" "C" "G" "C" "C" "A" "A" "C" "T" "C" "A" "T" "T" "T" "T" "G" "T"
## [18469] "T" "T" "T" "C" "T" "C" "C" "G" "G" " " " "T" "T" "T" "C" "A" "T" "T" "G"
## [18487] "T" "T" "C" "A" "T" "G" "T" "T" "T" "T" "T" "A" "T" "C" "G" "G" "A" "T"
  [18505] "T" "C" "T" "T" "T" "G" "T" "T" "A" "T" "T" "T" "G" "A" "T" "C" "G" "T"
  [18523] "A" "A" "T" "A" "T" "G" "T" "G" "A" "C" "T" "T" "C" "A" "C" "A" "T" "A"
  [18541] "A" "T" "G" "G" "T" "C" "A" "A" " " "T" "A" "C" "T" "T" "C" "T" "T" "T"
## [18559] "T" "A" "T" "C" "C" "C" "G" "T" "T" "A" "T" "G" "A" "G" "T" "T" "G" "T"
## [18577] "G" "T" "G" "T" "A" "T" "T" "T" "T" "T" "G" "T" "T" "A" "T" "G" "G" "A"
## [18595] "G" "A" "C" "C" "G" "G" "T" "T" "T" "T" "T" "G" "T" "A" "C" "T" "G" "T"
## [18613] "C" "A" "A" "C" "A" "T" "T" " " "G" "A" "T" "G" "T" "G" "G" "A" "C" "T"
## [18631] "C" "A" "T" "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "T" "G" "T" "C" "T"
  Г186497
          "C" "T" "A" "A" "T" "A" "T" "T" "C" "T" "C" "G" "G" "G" "T" "G" "T" "A"
  [18667] "C" "C" "T" "T" "T" "A" "C" "C" "G" "A" "A" "C" "T" "A" "G" "A" "T" "T"
  [18685] "T" "C" "G" "T" "A" "A" " " "T" "G" "G" "T" "A" "T" "T" "A" "T" "T" "T"
## [18703] "G" "A" "A" "A" "T" "A" "T" "T" "T" "G" "C" "T" "C" "A" "C" "A" "G" "T"
## [18721] "T" "C" "T" "G" "T" "A" "A" "G" "T" "A" "T" "T" "C" "A" "C" "A" "G" "G"
## [18739] "T" "G" "T" "G" "A" "G" "A" "G" "G" "A" "T" "C" "G" "T" "G" "G" "T" "A"
## [18757] "G" "T" "A" "G" "T" " "A" "T" "G" "T" "G" "T" "C" "A" "A" "G" "A" "A"
## [18775] "C" "G" "A" "C" "A" "G" "T" "A" "T" "T" "C" "C" "T" "A" "A" "T" "C" "A"
## [18793] "T" "T" "G" "T" "G" "G" "T" "G" "T" "G" "T" "C" "G" "A" "C" "T" "A" "C" "T"
  [18811] "A" "T" "G" "T" "A" "T" "T" "G" "T" "G" "T" "C" "A" "G" "A" "A" "A" "A"
## [18829] "T" "C" "G" "A" " " "A" "T" "T" "T" "G" "G" "T" "C" "T" "G" "T" "T"
## [18847] "T" "G" "A" "T" "C" "A" "T" "A" "G" "T" "T" "G" "G" "T" "A" "T" "A" "G"
## [18865] "G" "T" "T" "G" "G" "T" "A" "C" "A" "G" "T" "A" "T" "T" "A" "T" "G" "C"
## [18883] "G" "T" "A" "G" "T" "G" "G" "G" "T" "T" "G" "A" "T" "C" "G" "T" "C" "C"
## [18901] "G" "T" "A" " " "T" "A" "T" "C" "T" "G" "G" "T" "A" "T" "A" "A" "T" "T"
  [18919] "T" "T" "A" "T" "T" "C" "G" "A" "T" "G" "T" "C" "G" "T" "C" "G" "T" "T"
  ## [18955] "T" "T" "G" "T" "C" "T" "C" "T" "T" "A" "C" "G" "T" "A" "C" "G" "A"
## [18973] "A" "T" " "A" "C" "A" "A" "C" "T" "G" "T" "T" "T" "T" "G" "T" "A" "G"
## [18991] "T" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G" "T" "C" "T" "G" "T" "A" "T"
## [19009] "C" "G" "T" "T" "A" "T" "A" "T" "G" "G" "G" "T" "A" "T" "C" "G" "T"
## [19027] "T" "T" "T" "C" "C" "A" "T" "T" "T" "T" "T" "C" "C" "G" "T" "A" "A" "A"
## [19063] "G" "T" "T" "T" "C" "T" "G" "G" "T" "A" "A" "C" "T" "C" "A" "T" "G" "A"
## [19081] "G" "A" "C" "C" "T" "G" "A" "T" "T" "T" "T" "G" "A" "T" "T" "T" "T" "C"
## [19099] "A" "C" "T" "T" "C" "A" "G" "T" "T" "T" "T" "A" "A" "C" "A" "C" "T" "C"
## [19117] " " "A" "T" "T" "G" "T" "T" "G" "G" "T" "C" "A" "C" "A" "C" "A" "C" "A" "C"
## [19135] "A" "T" "G" "G" "G" "A" "A" "C" "T" "A" "A" "C" "A" "A" "G" "A" "A" "A" "A"
## [19153] "A" "G" "T" "G" "A" "C" "G" "T" "G" "A" "A" "A" "C" "C" "T" "T" "T" "C"
## [19171] "A" "T" "T" "G" "T" "G" "G" "A" "C" "T" "C" "G" "T" "A" "A" "C" "A" "
  [19189] "G" "A" "T" "T" "G" "T" "T" "G" "T" "A" "G" "T" "T" "T" "T" "T" "C" "C" "A"
  [19207] "C" "A" "T" "T" "T" "A" "A" "G" "T" "A" "G" "A" "A" "G" "A" "T" "T" "A"
  [19225] "T" "T" "T" "C" "G" "T" "G" "A" "T" "G" "G" "G" "T" "T" "A" "T" "A" "C"
## [19243] "C" "A" "T" "G" "C" "A" "G" "G" "T" "A" "A" "G" "T" "A" "T" "G" " " "G"
## [19261] "T" "A" "A" "A" "A" "C" "G" "T" "C" "A" "T" "T" "A" "A" "A" "G" "A" "A" "A"
## [19279] "A" "T" "T" "A" "C" "T" "T" "C" "G" "T" "G" "T" "G" "T" "A" "T" "A" "G"
## [19297] "A" "T" "T" "T" "T" "G" "C" "C" "G" "T" "T" "A" "A" "G" "G" "T" "C" "A"
## [19315] "A" "A" "C" "T" "C" "G" "T" "C" "T" "T" "T" "C" "T" "C" "C" " " "A" "G"
```

```
## [19333] "G" "A" "T" "C" "A" "T" "A" "C" "A" "G" "T" "T" "G" "T" "A" "C" "C" "A"
  [19351] "G" "A" "A" "C" "A" "C" "A" "A" "T" "C" "T" "C" "C" "A" "A" "A" "G" "T" "A"
## [19369] "T" "T" "A" "A" "C" "A" "T" "G" "A" "A" "G" "T" "A" "T" "C" "G" "G" "T"
## [19387] "G" "T" "T" "C" "C" "A" "A" "T" "T" "T" "C" "A" "G" "T" " " "A" "A" "T"
## [19405] "T" "C" "T" "C" "A" "A" "C" "A" "C" "C" "A" "T" "T" "T" "A" "G" "C" "T"
## [19423] "A" "A" "C" "T" "C" "T" "T" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "A"
## [19441] "G" "G" "T" "A" "A" "A" "T" "A" "T" "G" "T" "C" "G" "T" "C" "G" "C"
## [19459] "A" "T" "G" "T" "T" "G" "G" "T" "T" "C" "G" "A" "T" " " "T" "T" "T" "G"
## [19477] "T" "A" "A" "T" "T" "G" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C" "A"
  [19495] "C" "A" "G" "G" "C" "A" "T" "G" "G" "T" "C" "G" "A" "C" "G" "A" "A" "A" "C"
  [19513] "A" "C" "G" "A" "C" "A" "A" "A" "C" "G" "G" "A" "C" "A" "G" "T" "T" "G"
## [19531] "T" "T" "T" "T" "C" "C" "A" "G" "G" "T" "A" "T" " " "T" "T" "T" "C" "A"
## [19549] "A" "T" "G" "G" "A" "A" "G" "A" "T" "T" "C" "A" "G" "A" "C" "A" "C" "G"
## [19567] "G" "T" "C" "G" "T" "A" "C" "T" "T" "G" "A" "G" "G" "T" "C" "A" "A" "C"
## [19585] "C" "A" "T" "T" "A" "A" "G" "G" "T" "A" "T" "A" "C" "C" "A" "C" "G" "T"
## [19603] "A" "C" "A" "T" "T" "G" "T" "T" "T" "T" "T" "T" " "C" "T" "C" "T" "G" "T"
  [19621] "G" "T" "C" "A" "G" "T" "A" "T" "A" "G" "A" "G" "A" "T" "A" "C" "A" "A" "T"
  [19639] "T" "T" "T" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "G" "T" "G" "T" "A"
  [19657] "C" "T" "T" "G" "G" "T" "A" "A" "T" "T" "C" "C" "T" "T" "A" "C" "T" "T"
## [19675] "G" "G" "G" "A" "A" "T" "T" "A" "T" "C" " " "A" "C" "T" "T" "T" "A" "A"
## [19693] "C" "C" "C" "G" "G" "A" "G" "T" "A" "T" "C" "G" "T" "G" "T" "A" "A" "C"
## [19711] "C" "A" "T" "T" "T" "G" "T" "G" "T" "C" "T" "A" "C" "C" "A" "C" "T"
## [19729] "T" "G" "G" "T" "A" "A" "C" "A" "T" "T" "G" "T" "T" "C" "G" "A" "T" "T"
## [19747] "G" "T" "G" "A" "C" "T" "T" "T" "T" "T" "C" "A" "G" "A" "C" "A" "G"
## [19765] "G" "A" "C" "C" "A" "A" "C" "T" "T" "A" "C" "G" "C" "T" "T" "G" "T" "T"
  [19783] "T" "G" "A" "A" "T" "A" "T" "G" "A" "A" "T" "C" "C" "A" "C" "A" "G" "A"
## [19801] "A" "T" "C" "C" "T" "A" "A" "C" "C" "G" "A" "C" "A" "T" "A" "G" "T" "T"
  [19819] "G" "G" "A" "A" "T" "T" "C" "G" " " "A" "A" "T" "T" "C" "A" "T" "G" "T"
## [19837] "G" "T" "T" "A" "A" "A" "A" "C" "G" "T" "A" "T" "C" "T" "T" "A" "C" "A"
## [19855] "G" "G" "T" "T" "A" "T" "T" "G" "G" "G" "A" "C" "T" "C" "A" "A" "C" "T"
## [19873] "T" "G" "T" "A" "A" "T" "G" "G" "T" "C" "G" "G" "A" "C" "A" "T" "G" "G"
          "T" "T" "C" "T" "T" "T" "A" " " "A" "T" "A" "C" "T" "A" "A" "A" "T" "C" "T"
  Γ19891
## [19909] "G" "A" "A" "T" "G" "C" "T" "T" "A" "C" "T" "C" "A" "T" "T" "T" "A" "G"
## [19927] "A" "A" "G" "T" "A" "T" "T" "A" "A" "T" "C" "C" "C" "A" "A" "T" "T" "C"
## [19945] "G" "T" "A" "C" "A" "G" "A" "G" "T" "C" "T" "C" "C" "A" "C" "G" "T"
## [19963] "C" "T" "A" "G" "T" "G" " " "T" "A" "C" "A" "G" "A" "A" "C" "C" "T" "G"
## [19981] "T" "C" "A" "T" "T" "T" "G" "A" "T" "G" "C" "A" "G" "T" "A" "G" "T" "T"
## [19999] "C" "G" "G" "T" "T" "T" "C" "T" "G" "G" "C" "A" "A" "T" "T" "C" "A" "C"
## [20017] "A" "T" "C" "A" "A" "C" "A" "T" "G" "G" "T" "G" "T" "T" "C" "A" "A" "T"
  [20035] "G" "A" "A" "C" "A" " "T" "G" "G" "T" "A" "T" "G" "T" "T" "G" "G" "G"
##
  [20053] "A" "G" "T" "T" "G" "A" "A" "A" "T" "G" "G" "T" "C" "T" "A" "C" "C" "C"
## [20071] "T" "T" "A" "C" "G" "G" "T" "A" "A" "A" "A" "A" "G" "A" "T" "T" "T" "T"
## [20089] "G" "G" "T" "G" "A" "G" "A" "C" "G" "T" "T" "T" "T" "G" "T" "C" "G" "A"
## [20107] "C" "T" "C" "C" " " "A" "C" "T" "A" "T" "C" "T" "C" "T" "A" "A" "A" "A" "C"
## [20143] "T" "A" "G" "T" "C" "T" "T" "G" "G" "A" "C" "T" "C" "A" "A" "T" "G" "A"
   [20161] "C" "T" "T" "C" "A" "G" "T" "A" "A" "C" "T" "C" "T" "C" "G" "G" "A" "A"
  [20179] "A" "C" "G" " " "C" "T" "C" "T" "A" "C" "T" "G" "T" "T" "G" "T" "T" "C"
  [20197] "G" "T" "C" "G" "A" "A" "G" "A" "G" "A" "C" "A" "T" "C" "G" "A" "T" "C"
## [20215] "A" "A" "C" "A" "T" "A" "G" "G" "T" "A" "A" "C" "G" "A" "G" "G" "T" "G"
  [20233] "A" "T" "T" "T" "T" "A" "T" "G" "A" "A" "C" "A" "T" "G" "A" "A" "T" "A"
## [20251] "A" "T" " "A" "T" "T" "T" "C" "T" "C" "G" "A" "T" "T" "C" "A" "T" "A"
## [20269] "G" "A" "T" "A" "A" "T" "A" "T" "A" "C" "G" "C" "A" "T" "T" "C" "T"
## [20287] "C" "C" "A" "T" "T" "A" "T" "C" "G" "T" "G" "T" "A" "G" "T" "G" "A" "T"
```

```
## [20305] "G" "C" "G" "T" "T" "G" "A" "A" "A" "T" "C" "T" "A" "T" "G" "T" "A" "A" "A"
   [20341] "C" "C" "A" "C" "G" "T" "G" "T" "C" "G" "C" "G" "T" "C" "G" "A" "A" "A" "G"
  [20359] "A" "A" "G" "T" "T" "T" "T" "C" "A" "T" "G" "A" "T" "T" "T" "C" "C" "T"
## [20377] "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T" "T" "C" "T" "G" "A" "T" "G"
## [20395] " " "T" "G" "C" "A" "G" "A" "G" "A" "A" "A" "T" "C" "C" "A" "T" "T" "A"
## [20413] "A" "T" "G" "A" "T" "T" "T" "C" "T" "T" "G" "G" "T" "T" "A" "T" "C" "T"
## [20431] "T" "T" "A" "C" "G" "A" "A" "A" "C" "A" "C" "C" "T" "T" "T" "A" "T" "G"
  [20449] "T" "T" "T" "A" "C" "T" "A" "T" "A" "T" "C" "G" "T" "T" "A" "A" "
  [20467] "C" "A" "A" "T" "A" "G" "G" "T" "C" "T" "T" "T" "C" "C" "A" "T" "G" "A"
  [20485] "T" "T" "T" "C" "C" "A" "C" "A" "C" "T" "T" "G" "T" "A" "T" "T" "G" "G"
## [20503] "T" "A" "G" "G" "T" "G" "A" "C" "T" "T" "A" "T" "A" "C" "A" "C" "G" "A"
  ## [20539] "T" "C" "A" "T" "T" "C" "T" "A" "T" "T" "T" "T" "A" "C" "A" "G" "T" "T"
## [20557] "C" "A" "T" "G" "T" "T" "C" "A" "T" "T" "T" "A" "T" "T" "G" "T" "C" "T"
## [20575] "T" "A" "T" "T" "T" "G" "T" "G" "G" "T" "C" "C" "A" "T" "T" "C" "T" "T"
  [20593] "A" "C" "T" "C" "A" "T" "T" "T" "G" "A" "C" "C" "A" "C" "A" " "A" "T"
  [20611] "T" "T" "G" "T" "C" "T" "C" "A" "T" "G" "T" "C" "A" "C" "T" "T" "A" "C"
  [20629] "T" "G" "T" "A" "T" "T" "C" "C" "T" "T" "A" "T" "C" "A" "T" "T" "T" "C"
## [20647] "A" "T" "A" "A" "T" "T" "T" "C" "C" "G" "T" "T" "G" "A" "T" "G" "T" "A"
## [20683] "C" "G" "A" "G" "A" "A" "G" "A" "T" "T" "T" "G" "G" "A" "G" "T" "A" "T"
## [20701] "T" "T" "A" "T" "C" "A" "T" "C" "G" "T" "T" "C" "C" "G" "T" "A"
## [20719] "C" "A" "A" "T" "G" "A" "T" "G" "C" "T" "A" "T" "C" "G" "A" "T" "G" "T"
## [20737] "T" "A" "T" "G" "G" "T" "G" "G" "T" "C" "G" "A" "T" " " "G" "A" "T" "A"
  [20755] "T" "C" "T" "A" "C" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G" "G" "T" "T"
## [20773] "T" "C" "G" "T" "G" "G" "T" "T" "A" "T" "C" "C" "A" "A" "C" "T" "T" "A"
  [20791] "A" "T" "C" "A" "C" "C" "A" "C" "A" "T" "T" "T" "G" "T" "A" "T" "A" "A"
## [20809] "T" "C" "A" "T" "T" "C" "A" "T" "T" "T" "A" "A" " " "A" "T" "G" "T" "C"
## [20827] "G" "T" "A" "G" "A" "T" "G" "T" "G" "T" "G" "T" "C" "T" "T" "T" "T" "T"
## [20845] "G" "A" "G" "G" "A" "C" "C" "A" "T" "T" "T" "C" "T" "A" "G" "A" "C" "A"
          "T" "T" "A" "T" "T" "A" "G" "T" "A" "A" "C" "A" "A" "T" "T" "C" "A" "T"
  [20863]
  [20881] "G" "G" "G" "T" "A" "G" "A" "T" "G" "G" "T" " "G" "A" "T" "C" "A" "T"
  [20899] "C" "T" "A" "T" "G" "T" "G" "T" "T" "T" "G" "T" "G" "T" "G" "T" "C" "G" "A"
## [20917] "A" "G" "A" "C" "T" "A" "G" "A" "A" "G" "T" "G" "T" "T" "C" "A" "C"
## [20935] "G" "G" "C" "A" "C" "G" "G" "A" "T" "G" "T" "C" "A" "T" "G" "A" "G" "T"
## [20953] "C" "T" "T" "A" "G" "T" "T" "T" "T" "C" " " "A" "A" "C" "A" "A" "T" "G"
## [20971] "G" "T" "G" "A" "G" "A" "T" "T" "G" "T" "C" "T" "T" "G" "G" "A" "A" "A" "G"
## [20989] "T" "T" "C" "C" "A" "T" "C" "C" "A" "C" "A" "A" "T" "C" "C" "T" "T" "T"
  [21007] "A" "A" "C" "T" "T" "A" "T" "A" "T" "C" "T" "C" "G" "G" "G" "T" "A" "G"
##
  [21025] "G" "T" "A" "C" "T" "C" "G" "T" "G" " "T" "A" "T" "A" "T" "G" "C" "A" "C"
## [21043] "A" "C" "A" "G" "T" "C" "C" "C" "G" "C" "A" "T" "T" "T" "G" "A" "A" "A"
  [21061] "G" "T" "A" "T" "T" "C" "G" "T" "T" "G" "T" "C" "T" "G" "T" "G" "A" "A"
## [21079] "G" "A" "T" "C" "A" "T" "G" "T" "A" "A" "C" "C" "A" "T" "A" "G" "T" "A"
## [21097] "T" "T" "G" "T" "T" "A" "T" "A" " "C" "C" "A" "T" "T" "A" "C" "C" "G"
## [21115] "A" "A" "T" "G" "G" "T" "C" "T" "C" "G" "T" "A" "G" "A" "A" "A" "A" "T"
   [21133] "T" "T" "T" "T" "A" "A" "C" "A" "T" "G" "T" "A" "A" "G" "T" "C" "G" "T"
  [21151] "C" "G" "G" "T" "T" "T" "T" "G" "T" "G" "T" "C" "G" "A" "C" "T" "A"
  [21169] "C" "A" "A" "C" "G" "T" "T" " " "T" "T" "A" "G" "T" "C" "A" "C" "A" "T"
## [21187] "G" "A" "G" "A" "T" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "A" "C" "C"
         "A" "C" "A" "C" "A" "T" "T" "G" "T" "C" "T" "A" "C" "A" "A" "T" "G" "G"
  [21205]
## [21223] "T" "T" "G" "A" "C" "G" "T" "G" "A" "T" "T" "T" "T" "T" "T" "G" "A" "G" "A"
## [21241] "T" "C" "C" "A" "T" "T" " " "C" "T" "T" "A" "C" "G" "T" "T" "T" "T" "T"
## [21259] "T" "C" "A" "G" "T" "G" "G" "T" "A" "A" "T" "C" "A" "A" "C" "A" "C" "A" "C" "G"
```

```
## [21277] "C" "A" "T" "T" "A" "T" "A" "G" "C" "A" "C" "G" "G" "T" "C" "C" "G" "T"
  [21295] "T" "T" "G" "G" "T" "C" "C" "G" "T" "G" "C" "T" "G" "T" "T" "T" "T" "T" "G"
## [21313] "G" "G" "T" "G" "A" " "A" "G" "A" "G" "A" "A" "C" "A" "A" "T" "A" "C"
## [21331] "T" "G" "A" "C" "G" "T" "C" "G" "T" "T" "A" "G" "T" "T" "A" "G" "T" "T" "A" "G" "C" "C"
## [21349] "G" "T" "T" "C" "G" "A" "A" "A" "C" "A" "G" "T" "A" "A" "T" "C" "A" "T"
## [21367] "A" "T" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "C" "G" "A" "C" "C"
## [21385] "G" "A" "T" "T" " " "T" "G" "G" "T" "A" "C" "A" "C" "A" "G" "T" "T" "T"
## [21403] "T" "A" "G" "T" "C" "G" "T" "A" "C" "A" "A" "A" "C" "A" "A" "T" "C" "G"
  [21421] "T" "T" "T" "T" "G" "T" "T" "C" "A" "T" "A" "G" "A" "C" "A" "T" "C" "T"
  [21439] "A" "C" "G" "A" "T" "A" "C" "A" "G" "T" "G" "C" "T" "C" "A" "C" "T" "G"
  [21457] "T" "G" "G" " " "T" "G" "G" "T" "A" "G" "T" "T" "A" "T" "C" "G" "G" "A"
## [21475] "A" "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "T" "A" "A" "A" "G" "T" "G"
  [21493] "A" "A" "C" "T" "T" "T" "T" "C" "A" "G" "T" "C" "A" "T" "A" "C" "A" "A"
## [21511] "A" "T" "C" "T" "G" "T" "A" "C" "T" "G" "T" "A" "C" "T" "T" "G" "T" "C"
## [21529] "C" "A" " " "C" "A" "A" "T" "A" "A" "T" "T" "T" "A" "T" "C" "T" "T" "T"
[21565] "T" "T" "G" "T" "G" "T" "T" "C" "A" "C" "A" "T" "T" "G" "A" "A" "A" "A" "T"
  [21583] "T" "A" "A" "T" "T" "G" "A" "C" "G" "A" "A" "G" "T" "T" "G" "G" "T" "T"
  [21601] "A" " "A" "T" "A" "A" "T" "G" "T" "G" "T" "A" "A" "A" "A" "A" "T" "G" "G"
## [21619] "T" "G" "G" "G" "A" "A" "T" "T" "C" "A" "C" "G" "A" "T" "A" "G" "A" "A" "A"
## [21637] "A" "C" "A" "A" "C" "A" "A" "T" "G" "T" "T" "G" "T" "A" "A" "A" "T" "T" "G"
## [21655] "T" "T" "G" "A" "A" "C" "A" "G" "A" "T" "C" "A" "T" "C" "A" "A" "C" "G"
## [21673] " " "T" "G" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" "T" "T" "T" "T" "T" "C"
## [21691] "C" "A" "T" "T" "C" "A" "A" "T" "A" "A" "G" "A" "A" "A" "A" "A" "A" "T" "C"
[21727] "A" "A" "G" "C" "A" "T" "C" "A" "A" "C" "A" "A" "G" "T" "C" "T" "G" " "
## [21745] "T" "T" "A" "C" "T" "G" "T" "A" "C" "T" "T" "T" "A" "G" "A" "A" "A" "A" "T"
  [21763] "T" "G" "C" "A" "A" "G" "G" "T" "A" "T" "A" "G" "T" "T" "T" "C" "G" "T"
## [21781] "T" "A" "C" "A" "A" "C" "A" "C" "T" "G" "A" "A" "A" "A" "A" "A" "C" "G" "A"
## [21817] "T" "G" "C" "G" "C" "G" "T" "G" "A" "T" "G" "T" "C" "A" "G" "T" "T" "A"
  [21835] "T" "G" "T" "T" "C" "G" "T" "G" "G" "T" "C" "C" "A" "G" "T" "G" "C"
  [21853] "C" "C" "C" "A" "C" "A" "G" "T" "A" "C" "A" "A" "A" "A" "A" "G" "T" "T" "G"
## [21871] "A" "A" "A" "C" "A" "A" "T" "A" "T" "C" "C" "A" "C" "T" "C" " " "G" "T"
## [21889] "A" "T" "A" "T" "C" "A" "A" "T" "A" "A" "T" "G" "T" "T" "G" "A" "T" "A"
## [21907] "G" "C" "G" "G" "T" "C" "A" "T" "T" "G" "A" "A" "G" "A" "T" "A" "C" "A"
## [21925] "G" "T" "C" "T" "A" "A" "C" "T" "A" "C" "A" "C" "T" "G" "T" "T" "A" "A"
## [21943] "A" "T" "T" "C" "T" "G" "T" "A" "A" "G" "T" "T" "G" "T" " " " "T" "G" "T"
## [21961] "A" "G" "A" "A" "A" "T" "C" "A" "A" "A" "G" "A" "T" "G" "T" "A" "G" "A"
## [21997] "G" "C" "T" "C" "G" "A" "C" "G" "A" "C" "T" "T" "T" "A" "T" "T" "T" "T" "T"
## [22015] "C" "A" "T" "C" "T" "A" "T" "C" "T" "G" "T" "A" " " "A" " " "A" "G"
## [22033] "A" "T" "T" "C" "C" "T" "G" "T" "G" "T" "A" "A" "G" "A" "A" "A" "C" "G"
## [22051] "T" "T" "C" "A" "A" "G" "T" "C" "G" "A" "A" "G" "A" "C" "G" "T" "C" "A"
## [22069] "A" "C" "G" "T" "T" "G" "A" "T" "C" "A" "C" "A" "A" "A" "A" "A" "C" "T" "C"
## [22087] "A" "A" "A" "A" "A" "G" "G" "T" "A" "A" "C" "C" " " "A" "T" "G" "C" "A"
  [22105] "A" "T" "T" "T" "T" "C" "A" "A" "C" "T" "A" "C" "T" "T" "T" "T" "T" "G" "C"
## [22123] "A" "T" "A" "A" "T" "T" "G" "C" "A" "T" "T" "C" "G" "T" "A" "G" "T" "T"
## [22141] "T" "G" "T" "A" "A" "A" "A" "T" "T" "G" "A" "C" "G" "T" "T" "G" "A" "A"
## [22159] "G" "G" "C" "G" "T" "G" "A" "T" "A" "G" "T" " " "G" "G" "T" "T" "G" "T"
## [22177] "A" "G" "T" "C" "T" "G" "T" "G" "A" "T" "T" "A" "C" "G" "G" "A" "C" "T"
## [22195] "A" "G" "A" "T" "C" "A" "T" "T" "G" "T" "C" "A" "T" "A" "T" "C" "C" "A"
## [22213] "A" "C" "T" "G" "T" "G" "T" "A" "T" "C" "G" "A" "C" "T" "G" "A" "C"
## [22231] "A" "T" "C" "A" "T" "T" "T" "G" "T" "C" " " "T" "G" "C" "G" "A" "C" "T"
```

```
## [22249] "A" "A" "A" "A" "C" "G" "T" "C" "T" "A" "C" "T" "A" "A" "G" "A" "A" "G"
  [22267] "T" "G" "T" "A" "A" "A" "A" "C" "T" "A" "A" "A" "T" "G" "C" "T" "A" "G"
## [22285] "T" "T" "T" "T" "T" "G" "A" "T" "A" "T" "G" "T" "A" "A" "T" "T" "A"
## [22303] "T" "C" "C" "G" "T" "T" "A" "C" "T" " "T" "G" "G" "A" "A" "A" "A" "T" "C"
## [22321] "A" "C" "A" "A" "T" "A" "A" "T" "C" "G" "A" "G" "A" "G" "T" "C" "C" "A"
## [22339] "A" "C" "A" "G" "A" "T" "T" "C" "A" "A" "T" "T" "G" "T" "T" "T" "T" "A"
## [22357] "C" "T" "C" "T" "C" "T" "C" "T" "C" "T" "A" "A" "A" "G" "A" "A" "A" "A"
## [22375] "G" "T" "A" "T" "T" "C" "A" "G" " " "A" "A" "A" "A" "C" "T" "G" "G" "T"
  [22393] "C" "G" "A" "A" "A" "T" "A" "G" "T" "T" "T" "C" "A" "T" "T" "T" "C" "T"
## [22411] "A" "C" "C" "T" "A" "C" "C" "T" "T" "G" "G" "T" "A" "A" "G" "A" "A" "G"
  [22429] "T" "G" "A" "C" "A" "T" "T" "G" "T" "G" "A" "T" "A" "G" "T" "T" "G" "C"
## [22447] "T" "A" "C" "A" "T" "T" "C" " "T" "T" "C" "T" "G" "A" "C" "C" "A" "G"
## [22465] "T" "C" "A" "T" "C" "C" "T" "A" "A" "A" "A" "A" "A" "C" "C" "A" "G" "A"
## [22483] "A" "A" "A" "T" "T" "T" "G" "A" "C" "A" "T" "C" "A" "C" "T" "G" "T" "T"
## [22501] "C" "A" "G" "A" "G" "A" "G" "T" "T" "G" "A" "A" "A" "G" "T" "A" "G"
## [22519] "T" "G" "A" "T" "T" "A" " "T" "T" "A" "C" "A" "T" "G" "A" "T" "G"
  [22537] "G" "T" "C" "G" "T" "G" "T" "C" "T" "T" "A" "C" "A" "T" "A" "G" "T" "G"
## [22555] "T" "T" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "G" "G" "T" "T" "A"
## [22573] "A" "C" "A" "C" "A" "T" "C" "A" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G"
## [22591] "G" "A" "A" "A" "T" " "G" "G" "A" "G" "G" "T" "A" "A" "T" "C" "G" "T"
## [22609] "A" "T" "C" "T" "G" "T" "A" "T" "T" "T" "T" "C" "C" "T" "G" "G" "A" "A"
## [22627] "G" "A" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T" "G" "T" "T" "A" "T"
## [22645] "C" "A" "A" "C" "A" "T" "G" "T" "A" "A" "G" "C" "T" "G" "A" "G" "A" "A" "A"
## [22663] "C" "A" "A" "C" " " "G" "A" "G" "A" "T" "A" "A" "T" "G" "C" "A" "A" "A" "A"
## [22681] "C" "A" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "T" "G" "T" "T" "C" "A"
  [22699] "A" "C" "T" "A" "C" "T" "T" "A" "A" "T" "G" "T" "T" "G" "G" "C" "A" "G"
## [22717] "A" "T" "G" "T" "T" "G" "T" "A" "C" "G" "T" "G" "T" "A" "T" "T" "G" "A"
## [22735] "A" "A" "A" " " "G" "G" "T" "A" "T" "G" "T" "A" "T" "T" "A" "T" "T" "T" "T"
## [22753] "T" "A" "C" "T" "A" "C" "G" "T" "T" "T" "C" "T" "T" "C" "T" "A" "C" "A"
## [22771] "T" "G" "T" "A" "A" "G" "A" "T" "T" "G" "G" "T" "A" "T" "C" "G" "A" "C"
## [22789] "T" "T" "A" "G" "C" "C" "C" "C" "G" "G" "T" "A" "A" "A" "A" "C" "A" "T"
  ## [22825] "G" "T" "G" "T" "A" "T" "T" "C" "G" "G" "T" "T" "C" "T" "T" "A" "A" "T"
## [22843] "G" "A" "T" "T" "A" "T" "T" "T" "A" "C" "A" "T" "G" "A" "C" "G" "T"
## [22861] "T" "T" "A" "T" "C" "G" "A" "C" "T" "T" "T" "T" "T" "T" "G" "T" "T" "A"
## [22879] "A" " " "C" "G" "T" "A" "C" "T" "A" "C" "G" "T" "C" "G" "T" "T"
## [22897] "A" "G" "G" "T" "T" "C" "A" "T" "G" "T" "A" "T" "C" "T" "T" "T" "T" "T" "T"
## [22915] "G" "G" "A" "T" "C" "A" "C" "T" "T" "T" "T" "C" "T" "T" "A" "T" "A" "T"
## [22933] "A" "C" "G" "G" "T" "T" "T" "T" "T" "G" "G" "T" "G" "A" "G" "A" "C" "G"
  [22951] " " "T" "T" "G" "A" "T" "T" "C" "G" "G" "T" "T" "T" "T" "T" "C" "G" "T" "C"
##
## [22969] "A" "A" "T" "T" "T" "A" "G" "G" "G" "T" "A" "A" "A" "T" "T" "T" "T" "T" "C"
## [22987] "T" "A" "C" "T" "T" "A" "C" "C" "A" "T" "T" "A" "A" "A" "A" "C" "A" "T"
## [23005] "A" "T" "C" "A" "A" "A" "G" "A" "T" "T" "T" "C" "T" "T" "C" "C" "T" "
## [23023] "A" "T" "C" "C" "A" "C" "A" "G" "A" "T" "T" "T" "C" "T" "T" "A" "G" "A"
## [23041] "T" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T" "G" "T" "T" "T" "G" "T"
## [23059] "G" "A" "T" "G" "T" "T" "C" "T" "A" "T" "A" "T" "C" "T" "T" "G" "G" "T"
  [23077] "C" "A" "T" "G" "T" "C" "A" "T" "C" "A" "A" "C" "G" "T" "T" " " "A"
  [23095] "T" "C" "A" "C" "T" "G" "T" "A" "A" "T" "C" "A" "T" "C" "A" "A"
  [23113] "G" "T" "T" "T" "A" "T" "C" "G" "G" "A" "A" "G" "A" "G" "A" "C" "A" "T"
## [23131] "T" "G" "G" "T" "C" "A" "T" "G" "T" "C" "A" "T" "T" "C" "T" "T" "C" "C"
  [23149] "G" "T" "A" "C" "G" "G" "A" "T" "T" "A" "A" "A" "T" "C" "T" " "G" "T"
## [23167] "A" "A" "T" "T" "T" "T" "G" "T" "G" "G" "A" "T" "T" "T" "C" "G" "T" "C"
## [23185] "G" "C" "C" "A" "A" "C" "T" "C" "A" "T" "C" "A" "A" "A" "T" "T" "T" "C"
## [23203] "T" "T" "G" "G" "A" "T" "C" "C" "G" "T" "T" "T" "G" "T" "G" "A" "A" "T"
```

```
## [23257] "C" "T" "T" "T" "T" "A" "A" "A" "C" "C" "A" "C" "T" "G" "A" "A" "G"
  ## [23293] "A" "G" "A" "T" "C" "T" "G" "T" "T" "T" "T" "A" "A" " " "A" "T" "G" "G"
## [23311] "C" "T" "G" "T" "G" "A" "G" "A" "T" "T" "G" "T" "C" "A" "T" "A" "A"
## [23329] "G" "A" "A" "A" "C" "G" "A" "T" "A" "T" "C" "A" "T" "C" "A" "G" "C" "C"
## [23347] "G" "T" "A" "T" "C" "T" "A" "C" "G" "A" "A" "A" "A" "T" "T" "A" "A" "G" "A"
  [23365] "T" "C" "T" "T" "A" "A" "A" "C" "A" "T" "G" "A" " " "A" "G" "A" "T" "C"
  [23383] "A" "T" "T" "T" "T" "C" "A" "T" "G" "T" "G" "T" "T" "A" "A" "C" "A" "T"
  [23401] "C" "G" "T" "T" "A" "T" "T" "T" "C" "A" "T" "T" "T" "C" "T" "T" "T" "A"
## [23419] "T" "T" "C" "C" "G" "T" "A" "T" "A" "T" "A" "A" "T" "C" "A" "T" "G"
## [23437] "T" "T" "T" "G" "T" "G" "C" "C" "A" "A" "A" " " "T" "T" "T" "G" "T" "G"
## [23455] "G" "C" "A" "C" "A" "T" "T" "G" "A" "T" "A" "C" "A" "A" "T" "C" "A" "T"
## [23473] "C" "A" "A" "C" "A" "T" "G" "A" "T" "G" "T" "T" "G" "T" "T" "G" "A" "A" "A" "A" "C"
## [23491] "A" "A" "T" "T" "C" "T" "T" "T" "C" "C" "G" "A" "A" "T" "C" "G" "T"
  [23509] "A" "T" "T" "A" "A" "T" "C" "G" "A" "T" " " "A" "T" "C" "A" "T" "A" "G"
## [23527] "G" "G" "T" "T" "C" "C" "C" "T" "G" "T" "G" "A" "T" "A" "A" "T" "T" "G"
## [23545] "T" "C" "G" "T" "C" "G" "A" "T" "T" "T" "G" "G" "T" "A" "C" "T" "C" "A"
## [23563] "T" "C" "G" "T" "T" "C" "C" "C" "A" "A" "A" "A" "G" "T" "T" "T" "G" "G"
## [23581] "A" "T" "T" "A" "T" "G" "A" "G" "A" " "T" "C" "T" "A" "T" "A" "T" "A" "A"
## [23599] "G" "T" "A" "A" "T" "C" "C" "A" "A" "A" "G" "A" "A" "T" "T" "A" "T" "C"
## [23617] "A" "T" "T" "C" "T" "G" "A" "T" "C" "T" "T" "A" "A" "C" "A" "G" "A" "T"
## [23635] "G" "T" "A" "T" "T" "C" "G" "T" "C" "G" "T" "A" "A" "T" "C" "T" "A"
## [23653] "G" "A" "C" "A" "C" "A" "C" "G" "G" "T" "T" "G" "G" "A" "G" "A"
  ## [23689] "A" "A" "T" "A" "A" "A" "C" "G" "A" "C" "C" "A" "A" "A" "T" "T" "C" "A"
  [23707] "T" "A" "T" "T" "A" "C" "A" "G" "A" "G" "G" "A" "T" "G" "T" "T" "G" "A"
## [23725] "A" "G" "C" "C" "A" "T" "C" " " "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "A"
## [23743] "T" "G" "T" "G" "A" "G" "T" "T" "C" "T" "T" "G" "C" "A" "G" "A" "A" "A" "A"
## [23761] "G" "A" "C" "A" "T" "A" "C" "C" "A" "T" "C" "C" "T" "A" "A" "A" "A" "A" "G"
  [23779] "G" "T" "G" "A" "T" "G" "A" "A" "G" "A" "G" "A" "G" "T" "C" "T" "C" "T" "G"
  [23797] "A" "T" "C" "A" "A" "A" "A" " " "A" "T" "C" "T" "A" "G" "A" "A" "G" "C" "G"
## [23815] "T" "C" "C" "G" "T" "T" "C" "T" "A" "A" "A" "G" "G" "T" "A" "A" "G"
## [23833] "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "A" "G" "A" "C" "T" "G" "A"
## [23887] "N" "N" "N" "N" "N" "N" "N" "N" "A" "G" "G" "T" "T" "T" "C" "T" "G" "T" "T"
## [23905] "G" "C" "A" "T" "A" "T" "G" "T" "G" "T" "C" "C" "A" "T" "A" "A" "A"
## [23923] "C" "C" "A" "A" "A" "T" "A" "T" "G" "C" "A" "C" "C" "G" "A" "A" "A" "A" "T"
## [23941] "A" "A" "T" "C" " " "A" "A" "C" "G" "T" "A" "A" "C" "A" "A" "T" "T" "G"
## [23959] "T" "A" "C" "G" "G" "T" "T" "T" "G" "T" "A" "A" "A" "C" "C" "A" "A" "A" "A"
## [23977] "T" "A" "C" "A" "T" "T" "G" "T" "T" "A" "A" "A" "T" "C" "G" "A" "G" "G"
## [23995] "A" "A" "A" "G" "A" "A" "T" "T" "T" "T" "C" "C" "C" "C" "C" "A" "C" "A"
## [24013] "C" "A" "T" " "C" "A" "C" "A" "A" "A" "T" "A" "T" "T" "A" "G" "T" "T"
## [24031] "A" "T" "C" "G" "G" "T" "G" "G" "T" "A" "G" "T" "A" "G" "T" "G" "T" "A"
  [24049] "A" "A" "T" "T" "C" "A" "G" "T" "C" "C" "C" "T" "T" "T" "T" "T" "A" "C"
## [24067] "A" "T" "T" "G" "A" "A" "A" "T" "T" "C" "G" "A" "G" "A" "G" "A" "A" "C"
  [24085] "T" "T" " " "C" "G" "T" "C" "C" "A" "A" "A" "G" "A" "A" "T" "A" "T" "T"
## [24103] "G" "G" "T" "C" "A" "A" "T" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T" "T"
## [24121] "A" "G" "T" "A" "G" "T" "C" "G" "T" "T" "A" "A" "A" "A" "C" "T" "A" "T"
## [24139] "A" "A" "T" "A" "G" "T" "G" "T" "A" "T" "G" "T" "T" "T" "G" "A" "A" "T"
## [24157] "T" " "T" "T" "A" "A" "T" "A" "G" "C" "T" "T" "C" "G" "A" "A" "C" "G"
```

```
## [24193] "A" "C" "C" "A" "T" "G" "T" "T" "C" "T" "A" "G" "T" "T" "A" "A" "C" "C"
  ## [24229] " " "T" "A" "A" "C" "A" "G" "A" "A" "G" "A" "A" "T" "T" "A" "T" "T" "A"
## [24247] "T" "T" "A" "A" "C" "A" "G" "G" "T" "T" "G" "A" "A" "T" "C" "C" "C" "A"
## [24265] "G" "T" "T" "A" "A" "A" "G" "A" "C" "A" "T" "G" "T" "T" "T" "G" "T" "T"
## [24301] "C" "A" "T" "T" "G" "A" "C" "C" "A" "A" "A" "A" "T" "A" "C" "C" "A" "A"
## [24319] "C" "A" "A" "C" "A" "C" "A" "T" "T" "G" "A" "C" "A" "A" "A" "A" "A" "G" "A"
  [24337] "A" "A" "C" "A" "T" "C" "T" "T" "T" "T" "G" "T" "A" "G" "G" "C" "A" "T"
  [24355] "T" "A" "T" "C" "C" "T" "G" "G" "A" "A" "A" "C" "A" "T" "A" "A" "A" " "G"
  [24373] "A" "C" "T" "C" "C" "T" "G" "A" "A" "A" "C" "A" "T" "T" "C" "A" "T" "T"
## [24391] "T" "C" "G" "T" "G" "G" "C" "A" "G" "A" "T" "A" "C" "G" "T" "T" "A" "T"
  [24409] "G" "T" "T" "T" "C" "A" "A" "A" "G" "A" "A" "A" "A" "T" "C" "T" "T" "C" "A"
## [24427] "A" "T" "A" "T" "A" "C" "A" "A" "A" "A" "T" "A" "T" "C" "A" "C" " " "T" "G"
## [24445] "G" "T" "G" "T" "G" "A" "C" "C" "A" "T" "T" "A" "A" "A" "T" "G" "G" "T" "C"
## [24463] "A" "C" "A" "T" "G" "A" "G" "T" "G" "A" "T" "C" "G" "T" "G" "T" "T" "C"
  [24481] "A" "T" "T" "T" "A" "C" "A" "T" "G" "G" "T" "A" "C" "G" "A" "A" "T" "T"
## [24499] "C" "A" "A" "G" "T" "A" "T" "G" "A" "C" "T" "C" "G" "T" " "C" "C" "A"
## [24517] "C" "C" "A" "C" "G" "A" "C" "T" "G" "T" "A" "G" "T" "A" "T" "T" "G" "T"
## [24535] "T" "T" "T" "C" "C" "A" "C" "T" "G" "A" "G" "G" "A" "C" "A" "A" "C" "A"
## [24553] "T" "G" "A" "T" "C" "T" "A" "T" "A" "A" "A" "A" "C" "A" "T" "C" "G" "A"
## [24571] "A" "C" "A" "A" "A" "T" "G" "G" "T" "G" "T" "G" "C" " " "A" "T" "G" "T"
## [24589] "T" "C" "C" "A" "T" "A" "G" "A" "C" "T" "T" "G" "T" "G" "G" "A" "A" "A" "A"
## [24607] "G" "A" "A" "T" "T" "T" "A" "A" "C" "A" "A" "G" "T" "A" "T" "T" "C" "T"
## [24625] "T" "T" "C" "A" "C" "A" "C" "G" "G" "G" "T" "A" "C" "A" "T" "G" "T" "A"
  [24643] "T" "T" "G" "T" "C" "G" "A" "A" "G" "A" "T" "G" " " "T" "G" "G" "G" "G" "A"
## [24661] "A" "T" "T" "C" "C" "C" "A" "A" "C" "A" "G" "A" "C" "G" "A" "C" "A" "A" "A"
  [24679] "C" "A" "G" "G" "T" "G" "T" "T" "C" "A" "A" "A" "A" "T" "G" "T" "G" "T"
## [24697] "G" "G" "C" "G" "C" "A" "A" "G" "T" "T" "C" "T" "G" "A" "G" "A" "A" "A" "A"
## [24715] "A" "C" "G" "T" "T" "C" "T" "T" "A" "G" "A" " " "T" "T" "T" "A" "A" "C"
## [24733] "C" "G" "T" "A" "C" "A" "A" "C" "T" "T" "T" "G" "T" "T" "C" "A" "T" "T"
  [24751]
          "G" "A" "G" "T" "A" "A" "C" "A" "A" "A" "G" "A" "G" "A" "T" "T" "G" "T"
## [24769] "A" "G" "T" "G" "G" "A" "T" "T" "G" "A" "G" "T" "G" "G" "A" "T" "G" "A"
## [24787] "C" "A" "G" "A" "A" "T" "A" "A" "T" "G" " " "T" "C" "A" "T" "C" "C" "G"
## [24805] "A" "T" "T" "C" "T" "A" "T" "T" "C" "A" "C" "G" "T" "G" "T" "T" "T" "T" "T"
## [24823] "C" "A" "A" "T" "C" "G" "T" "C" "G" "A" "A" "G" "T" "G" "G" "T" "C" "G"
## [24841] "G" "G" "A" "A" "C" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "C" "G"
## [24859] "T" "A" "G" "A" "A" "C" "A" "T" "C" " "T" "C" "G" "G" "T" "C" "C" "A" "C"
## [24877] "C" "T" "A" "A" "T" "T" "T" "G" "A" "A" "G" "T" "T" "G" "A" "G" "A" "T"
## [24895] "A" "A" "A" "C" "A" "A" "C" "C" "T" "C" "A" "C" "A" "A" "T" "T" "G" "T"
## [24913] "T" "A" "C" "G" "T" "C" "A" "C" "G" "T" "T" "T" "C" "T" "A" "T" "T" "G"
## [24931] "T" "C" "A" "A" "C" "A" "A" "T" " " "A" "G" "A" "C" "G" "G" "G" "T" "A"
## [24949] "A" "A" "T" "T" "A" "T" "C" "T" "C" "A" "A" "T" "T" "T" "T" "G" "G" "T"
## [24967] "A" "A" "T" "T" "G" "A" "A" "C" "A" "C" "C" "T" "A" "T" "A" "A" "A" "A" "G"
## [24985] "G" "T" "G" "A" "A" "A" "A" "T" "C" "A" "C" "A" "C" "T" "A" "A" "A" "A"
## [25003] "T" "T" "A" "C" "G" "A" "C" " "T" "G" "T" "A" "C" "A" "T" "G" "G" "A"
   [25021] "T" "G" "G" "G" "T" "C" "T" "T" "T" "T" "G" "A" "T" "C" "C" "T" "A" "G"
  [25039] "T" "C" "A" "A" "C" "A" "C" "A" "C" "A" "T" "C" "A" "T" "G" "A" "G"
  [25057] "T" "T" "T" "T" "C" "G" "G" "A" "G" "T" "T" "G" "T" "G" "C" "A" "T" "C"
## [25075] "T" "C" "A" "C" "A" "G" " "T" "A" "G" "T" "A" "A" "T" "C" "C" "A" "T"
          "T" "T" "T" "G" "T" "A" "T" "T" "T" "T" "A" "C" "A" "A" "A" "A" "A" "T" "G"
  [25093]
## [25111] "G" "A" "A" "G" "T" "A" "C" "A" "C" "T" "T" "A" "A" "T" "A" "C" "T" "C"
## [25147] "G" "T" "C" "G" "A" " " "G" "G" "T" "A" "G" "G" "T" "T" "T" "T" "A" "T" "T"
```

```
## [25165] "C" "A" "A" "C" "C" "T" "G" "G" "T" "T" "T" "G" "A" "C" "A" "A" "C" "A"
  [25183] "G" "G" "T" "A" "T" "A" "C" "A" "G" "T" "A" "A" "C" "T" "G" "T" "A" "C"
  [25201] "A" "G" "G" "T" "G" "T" "T" "G" "A" "A" "C" "G" "C" "A" "C" "A" "C" "C"
  [25219] "T" "C" "C" "A" " " "A" "T" "T" "A" "C" "A" "A" "C" "A" "G" "A" "G" "A" "T" "G"
  [25237] "A" "C" "A" "A" "C" "A" "T" "T" "T" "G" "T" "G" "G" "A" "A" "T" "T" "A"
## [25255] "T" "C" "A" "G" "G" "A" "G" "T" "G" "A" "A" "G" "A" "G" "A" "G" "T" "T"
## [25273] "T" "C" "T" "T" "T" "C" "T" "T" "C" "A" "G" "A" "A" "A" "T" "T" "C"
## [25291] "T" "A" "A" " " "C" "A" "G" "T" "T" "T" "C" "C" "A" "C" "T" "A" "T" "T"
  [25309] "G" "A" "A" "G" "T" "G" "G" "T" "A" "G" "A" "T" "C" "C" "A" "C" "C" "T"
  [25327] "T" "A" "C" "A" "C" "C" "A" "T" "C" "C" "T" "A" "A" "T" "G" "A" "T" "C"
  [25345] "A" "C" "A" "T" "T" "A" "T" "A" "T" "G" "T" "G" "A" "A" "A" "A" "A" "T" "A"
## [25363] "G" "T" " "G" "G" "A" "G" "A" "G" "A" "T" "T" "T" "C" "T" "T" "T" "A"
  [25381] "A" "G" "A" "T" "A" "T" "G" "G" "A" "T" "C" "A" "A" "C" "A" "T"
## [25399] "C" "T" "A" "A" "C" "A" "G" "G" "T" "C" "T" "A" "T" "C" "C" "T" "G"
## [25417] "G" "T" "T" "A" "G" "A" "A" "A" "T" "A" "T" "C" "C" "T" "T" "G" "G" "T"
## [25435] "C" " "G" "T" "T" "C" "A" "C" "T" "C" "T" "A" "C" "C" "A" "A" "A" "G"
  [25453]
         "T" "T" "A" "T" "T" "T" "T" "A" "C" "A" "A" "G" "A" "A" "G" "T" "C" "C"
  [25489] "T" "T" "C" "T" "A" "T" "T" "G" "G" "T" "A" "A" "A" "T" "A" "T" "G" "C" "G"
## [25507] " " "A" "C" "A" "T" "T" "G" "T" "C" "G" "T" "A" "G" "T" "C" "C" "A" "C"
## [25543] "G" "A" "C" "C" "G" "T" "G" "A" "A" "A" "C" "T" "C" "T" "C" "T" "A" "G"
## [25561] "A" "G" "T" "A" "T" "A" "T" "G" "G" "C" "T" "C" "G" "T" "C" "G" "A" " "
## [25579] "A" "G" "A" "A" "G" "G" "T" "T" "T" "A" "A" "A" "T" "T" "C" "G" "G" "T"
## [25597] "A" "C" "A" "C" "A" "A" "T" "G" "T" "A" "T" "C" "G" "G" "T" "T" "C" "A"
  [25615] "C" "C" "G" "T" "A" "A" "C" "A" "T" "T" "G" "T" "T" "C" "T" "C" "A" "A"
## [25633] "A" "G" "T" "A" "A" "A" "T" "C" "T" "A" "G" "C" "A" "A" "T" "T" " " "C"
  [25651] "A" "C" "A" "C" "A" "A" "C" "T" "A" "T" "T" "C" "A" "C" "T" "G" "C" "G"
## [25669] "A" "T" "G" "T" "C" "A" "A" "C" "A" "A" "A" "A" "T" "G" "A" "C" "C" "A"
## [25687] "C" "A" "T" "T" "T" "T" "C" "A" "T" "T" "T" "T" "A" "G" "A" "T" "C" "G"
[25741] "G" "G" "A" "A" "T" "A" "T" "A" "A" "A" "T" "G" "C" "G" "A" "C" "A" "T"
  [25759] "A" "T" "C" "A" "A" "C" "T" "T" "T" "G" "A" "T" "A" "C" "C" "G" "A" "A"
## [25777] "A" "T" "C" "A" "A" "G" "G" "T" "G" "T" "G" "T" "C" " " "T" "G" "T"
## [25795] "C" "C" "G" "T" "A" "A" "T" "T" "A" "A" "A" "C" "G" "C" "A" "C" "A" "A" "A"
## [25813] "A" "G" "A" "A" "G" "A" "C" "G" "T" "A" "C" "A" "C" "G" "T" "T" "C" "G"
## [25831] "T" "A" "A" "A" "G" "A" "G" "C" "G" "T" "T" "T" "A" "A" "G" "G" "T" "T"
## [25849] "C" "T" "T" "T" "G" "T" "C" "A" "A" "G" "G" "T" "T" " " "C" "T" "T" "A"
  [25867] "A" "A" "G" "A" "A" "C" "G" "A" "A" "G" "A" "G" "T" "A" "A" "T" "C" "T"
##
  [25885] "C" "T" "A" "T" "T" "A" "T" "C" "T" "A" "C" "C" "A" "T" "C" "T" "A"
## [25903] "C" "A" "T" "T" "T" "T" "C" "C" "G" "T" "G" "A" "A" "A" "A" "A" "T" "G" "T"
## [25921] "G" "A" "A" "A" "A" "A" "T" "T" "C" "G" "T" "G" " " "A" "C" "A" "G" "A"
## [25939] "A" "A" "C" "G" "G" "A" "G" "G" "A" "G" "A" "T" "G" "T" "C" "A" "C" "A"
## [25957] "T" "T" "G" "G" "T" "A" "A" "A" "T" "T" "T" "G" "G" "G" "A" "C" "T" "G"
## [25975] "G" "G" "C" "C" "A" "T" "T" "C" "A" "C" "C" "A" "A" "T" "A" "T" "A"
  [25993] "T" "T" "A" "A" "C" "A" "G" "A" "C" "A" "A" " " "C" "C" "G" "T" "G" "A"
  [26011] "A" "A" "A" "G" "A" "G" "T" "T" "T" "C" "G" "A" "A" "A" "A" "G" "C" "G" "A"
  [26029] "T" "C" "G" "T" "A" "A" "A" "G" "T" "C" "A" "T" "C" "A" "C" "G" "G" "T"
  [26047] "G" "G" "T" "C" "T" "G" "A" "A" "A" "A" "A" "T" "C" "A" "T" "C" "C" "A"
         "T" "A" "T" "T" "G" "G" "T" "G" "T" "C" " " "G" "T" "C" "A" "A" "A" "T" "T"
  [26065]
## [26083] "T" "T" "G" "T" "G" "G" "G" "A" "G" "A" "A" "C" "T" "T" "G" "T" "T" "G"
## [26101] "T" "A" "G" "T" "G" "G" "G" "T" "G" "A" "T" "A" "T" "A" "T" "A" "C" "C"
## [26119] "T" "C" "G" "T" "A" "G" "A" "A" "G" "A" "A" "A" "A" "T" "T" "C" "T" "T"
```

```
## [26137] "T" "C" "A" "C" "T" "A" "C" "A" "G" " " "T" "T" "A" "C" "A" "G" "T" "G"
  [26155] "A" "T" "T" "G" "T" "T" "C" "T" "C" "A" "C" "C" "G" "T" "C" "T" "T" "A"
  [26173] "G" "A" "C" "C" "T" "A" "C" "T" "T" "C" "T" "A" "A" "C" "G" "G" "T" "A"
  [26191] "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "T" "A" "T" "A" "T" "T" "C" "A" "T"
  [26209] "T" "G" "T" "T" "C" "A" "A" "A" "A" " "A" "G" "A" "C" "A" "C" "T" "C" "C"
## [26227] "T" "T" "G" "A" "A" "T" "C" "A" "A" "A" "G" "A" "A" "G" "G" "T" "C" "T"
## [26245] "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "G" "A" "A" "G" "A" "A" "G" "T"
## [26263] "T" "G" "T" "G" "T" "T" "C" "G" "A" "A" "A" "C" "T" "A" "A" "A" "A" "A" "G"
  [26299] "G" "A" "C" "A" "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "C" "A" "A" "A" "A"
  [26317] "T" "G" "A" "A" "A" "G" "T" "C" "A" "A" "T" "A" "T" "T" "T" "A" "C" "C"
[26353] "T" "T" "A" "G" "A" "G" " " "T" "C" "G" "C" "T" "A" "G" "A" "A" "A" "A" "A"
## [26371] "C" "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "A" "A" "A" "A" "A" "G" "T" "G"
## [26389] "A" "G" "A" "A" "G" "T" "A" "A" "G" "G" "T" "T" "T" "T" "T" "T" "C" "G"
## [26407] "A" "A" "C" "T" "T" "G" "T" "T" "C" "A" "A" "A" "C" "A" "G" "T" "A"
  [26425]
         "T" "C" "T" "C" "T" " " "A" "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "C"
  [26443] "T" "G" "T" "C" "G" "A" "T" "T" "C" "A" "T" "C" "T" "G" "T" "A" "A" "A" "A"
  [26461] "C" "A" "C" "G" "C" "T" "T" "G" "T" "C" "A" "T" "A" "G" "A" "T" "G" "T"
## [26479] "G" "T" "T" "T" "G" "A" "G" "A" "A" "T" "T" "T" "C" "T" "T" "A" "C" "A"
## [26497] "T" "A" "T" "C" " " "C" "C" "A" "G" "T" "C" "G" "T" "G" "G" "T" "T" "T"
## [26533] "A" "C" "C" "A" "C" "G" "T" "T" "C" "A" "T" "C" "T" "T" "G" "A" "A" "G"
## [26569] "T" "A" "T" " " "T" "C" "G" "T" "G" "A" "A" "A" "T" "T" "C" "T" "T"
  [26587] "C" "A" "A" "C" "T" "T" "A" "C" "A" "G" "A" "A" "G" "T" "G" "G" "A" "A"
## [26605] "A" "C" "A" "A" "T" "T" "G" "T" "A" "A" "A" "C" "C" "C" "G" "G" "C" "T"
  [26623] "G" "T" "T" "G" "T" "A" "C" "T" "C" "T" "G" "T" "C" "A" "A" "A"
## [26641] "A" "T" " "C" "G" "T" "T" "C" "T" "A" "A" "C" "A" "C" "A" "G" "G" "C"
## [26659] "G" "A" "A" "T" "T" "T" "T" "G" "T" "G" "T" "G" "T" "G" "A" "T" "G" "G" "T"
## [26677] "G" "G" "G" "T" "G" "A" "A" "A" "T" "T" "C" "A" "C" "C" "A" "G" "G" "T"
  [26695] "A" "A" "T" "C" "A" "T" "C" "G" "A" "T" "A" "C" "A" "T" "A" "C" "A" "T" "A" "G" "T"
  [26713] "A" " "G" "T" "C" "T" "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "T" "A"
  [26731] "C" "C" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T" "C" "G" "G" "A" "A" "A"
## [26749] "T" "A" "A" "A" "T" "T" "C" "C" "G" "A" "G" "G" "A" "C" "G" "T" "T" "G"
## [26767] "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "A" "C" "A" "A" "A" "T" "T" "C"
## [26785] " " "C" "A" "T" "T" "T" "G" "T" "A" "A" "C" "C" "G" "A" "C" "G" "T" "A"
## [26821] "A" "A" "T" "G" "G" "A" "A" "A" "A" "T" "C" "G" "A" "A" "A" "A" "A"
  [26839] "G" "G" "T" "G" "T" "T" "A" "C" "A" "G" "A" "C" "G" "T" "A" "A" "A" "A" " "
##
  [26857] "A" "A" "T" "T" "A" "C" "A" "T" "A" "T" "G" "T" "A" "A" "A" "C" "A" "G" "T"
## [26893] "G" "A" "T" "T" "T" "T" "G" "A" "T" "A" "A" "G" "T" "G" "A" "A" "G" "T"
## [26911] "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "G" "T" "T" "G" "A" "C" " " "C"
## [26929] "A" "C" "A" "T" "T" "C" "A" "A" "G" "G" "T" "A" "G" "A" "G" "A" "T" "T"
## [26947] "A" "A" "C" "T" "C" "C" "A" "A" "C" "T" "T" "G" "G" "A" "G" "T" "T" "G"
         "T" "T" "A" "A" "C" "A" "A" "A" "T" "T" "A" "T" "C" "A"
  [26965]
  [26983] "A" "C" "A" "G" "A" "C" "T" "A" "A" "C" "A" "G" "G" "A" "G" " "A" "G" " "T" "G"
  [27001] "A" "C" "G" "G" "C" "A" "G" "A" "A" "C" "A" "A" "C" "T" "G" "G" "T" "T"
## [27019] "G" "T" "C" "A" "A" "C" "A" "A" "C" "T" "G" "A" "T" "A" "G" "T" "A"
         "G" "T" "A" "G" "A" "T" "T" "G" "G" "T" "T" "A" "G" "A" "A" "G" "A" "A"
  [27037]
## [27055] "G" "A" "A" "C" "G" "A" "G" "A" "G" "A" "A" "G" "T" " "C" "C" "A"
## [27073] "A" "C" "T" "T" "C" "T" "C" "G" "T" "C" "G" "T" "C" "T" "T" "C" "A" "C"
## [27091] "C" "G" "T" "G" "G" "T" "T" "T" "A" "A" "G" "G" "T" "T" "T" "C" "C" "A"
```

```
## [27109] "A" "A" "T" "G" "G" "A" "A" "C" "C" "A" "T" "T" "A" "G" "T" "A" "G" "A"
  [27127] "A" "G" "T" "C" "A" "T" "G" "G" "T" "A" "T" "G" "A" " " "G" "T" "A" "T"
## [27145] "A" "A" "C" "T" "C" "A" "A" "C" "T" "A" "C" "C" "G" "A" "G" "T" "T" "T"
## [27163] "G" "A" "G" "A" "A" "G" "A" "G" "A" "G" "A" "G" "T" "G" "T" "T" "A" "G"
## [27199] "T" "A" "G" "A" "C" "C" "T" "C" "C" "C" "A" "T" " " "T" "T" "T" "T" "T" "C"
## [27217] "T" "T" "G" "T" "T" "A" "T" "G" "T" "A" "T" "A" "C" "A" "C" "T" "T" "C"
## [27235] "G" "G" "T" "T" "A" "A" "A" "T" "T" "G" "A" "G" "T" "G" "G" "T" "C"
## [27253] "T" "G" "A" "G" "T" "A" "G" "T" "T" "T" "A" "T" "T" "C" "A" "T" "C" "A"
## [27271] "T" "A" "C" "A" "T" "C" "G" "G" "T" "A" "T" " "G" "A" "G" "G" "T" "G"
  [27289] "A" "G" "T" "A" "G" "A" "T" "T" "T" "A" "G" "T" "T" "A" "C" "G" "G" "G"
## [27307] "T" "C" "A" "C" "C" "A" "C" "A" "T" "T" "C" "A" "T" "T" "A" "A" "G" "T"
## [27325] "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "C" "G" "T" "T" "T" "C" "A" "A"
## [27343] "A" "A" "A" "T" "A" "C" "T" "G" "T" "C" " " "G" "T" "A" "G" "A" "C" "G"
## [27361] "G" "T" "G" "T" "G" "T" "G" "T" "C" "C" "C" "G" "C" "T" "T" "G" "A" "G"
## [27379] "T" "A" "A" "A" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "G" "C" "T" "C"
## [27397] "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "A" "T" "C" "C" "G" "T" "C" "T"
## [27415] "C" "G" "T" "G" "A" "A" "G" "A" "G" " " "T" "A" "A" "T" "T" "C" "A" "T"
## [27433] "G" "A" "A" "A" "T" "A" "G" "T" "T" "A" "G" "G" "A" "A" "A" "A" "G" "T" "A"
## [27451] "G" "T" "T" "C" "A" "A" "G" "T" "T" "T" "T" "C" "A" "C" "T" "A" "T" "A"
## [27469] "A" "G" "T" "G" "T" "G" "A" "G" "A" "C" "A" "T" "T" "G" "G" "A" "A"
## [27487] "C" "G" "T" "G" "A" "A" "G" "A" " "T" "A" "G" "T" "G" "T" "C" "A" "C"
## [27505] "A" "G" "T" "A" "G" "T" "G" "G" "T" "T" "T" "T" "C" "A" "T" "T" "G" "G"
## [27523] "A" "A" "A" "C" "A" "A" "C" "C" "A" "C" "G" "T" "G" "G" "C" "G" "G" "A"
## [27541] "A" "A" "C" "T" "C" "A" "C" "A" "C" "T" "T" "C" "C" "A" "T" "A" "A" "C"
## [27559] "A" "A" "A" "C" "A" "A" "T" " " "G" "G" "T" "A" "G" "T" "A" "T" "A" "A"
## [27577] "T" "C" "C" "A" "C" "G" "T" "T" "C" "C" "G" "T" "G" "T" "C" "A" "T"
## [27595] "G" "A" "A" "A" "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A" "A" "C" "T" "A"
## [27613] "A" "A" "G" "C" "T" "C" "G" "T" "T" "G" "T" "A" "T" "T" "C" "G" "G" "G"
## [27631] "C" "A" "A" "T" "T" "A" " "T" "G" "T" "T" "G" "A" "C" "C" "A" "C"
## [27649] "A" "T" "G" "G" "T" "T" "G" "G" "T" "T" "A" "C" "C" "T" "C" "G" "A" "A"
  [27667] "G" "T" "T" "G" "T" "C" "G" "A" "A" "G" "T" "G" "A" "T" "C"
## [27685] "C" "A" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C" "C" "A" "A" "C" "A" "T"
## [27703] "T" "T" "A" "G" "T" " " "G" "G" "T" "C" "A" "A" "A" "A" "G" "T" "T" "C"
## [27721] "T" "G" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A" "C" "A" "A" "T" "T" "G"
## [27739] "T" "G" "A" "A" "G" "A" "C" "A" "C" "C" "T" "T" "T" "C" "A" "C" "A" "A"
## [27757] "A" "G" "A" "G" "G" "G" "A" "G" "A" "T" "T" "C" "T" "T" "C" "T" "A" "T"
## [27775] "T" "A" "A" "A" " " "G" "A" "A" "A" "A" "C" "C" "C" "C" "G" "A" "A" "A" "A"
## [27793] "A" "T" "C" "T" "C" "C" "G" "T" "A" "C" "T" "C" "A" "T" "C" "C" "G" "G"
## [27811] "T" "C" "A" "A" "A" "G" "A" "G" "A" "G" "A" "C" "C" "T" "A" "A" "A" "A"
## [27829] "T" "T" "G" "T" "G" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "T" "T"
## [27847] "A" "G" "G" " " "G" "A" "A" "A" "C" "T" "C" "A" "C" "G" "C" "A" "C" "A" "C" "T"
## [27865] "G" "T" "T" "T" "A" "C" "A" "A" "G" "T" "G" "G" "A" "T" "T" "T" "A"
## [27883] "A" "G" "T" "T" "C" "C" "G" "A" "A" "A" "T" "T" "C" "A" "A" "A" "T" "C"
## [27901] "G" "A" "G" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "T" "A" "T" "C"
## [27919] "T" "C" " " "A" "G" "T" "C" "G" "T" "G" "T" "G" "T" "T" "T" "T" "C" "G" "G"
  ## [27955] "A" "A" "T" "T" "T" "C" "T" "T" "A" "C" "A" "G" "A" "C" "T" "T" "G" "T"
## [27991] "C" " "G" "T" "G" "T" "C" "C" "A" "C" "T" "G" "T" "T" "A" "A" "A" "C"
         "A" "G" "G" "T" "G" "G" "C" "T" "G" "T" "T" "A" "A" "A" "G" "T" "G" "T"
## [28009]
## [28027] "T" "C" "G" "T" "G" "T" "C" "C" "A" "A" "C" "T" "C" "T" "A" "T" "T" "T"
## [28045] "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "G" "G" "G" "T" "T" "G" "G"
## [28063] " " "C" "A" "G" "A" "G" "A" "T" "T" "C" "T" "T" "T" "G" "A" "G" "A" "T"
```

```
## [28081] "G" "T" "G" "G" "A" "A" "G" "G" "A" "A" "T" "T" "T" "G" "A" "A" "G" "A"
   [28099] "G" "A" "A" "G" "T" "T" "C" "G" "G" "T" "T" "A" "G" "T" "T" "C" "C" "T"
  [28117] "G" "C" "C" "C" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A" "A" "A" "G" "T" "
  [28135] "A" "T" "T" "T" "G" "T" "C" "A" "C" "G" "G" "T" "T" "T" "T" "C" "T" "A" "C"
  [28153] "A" "A" "T" "C" "A" "A" "T" "C" "G" "G" "T" "G" "A" "C" "G" "C" "T" "T"
## [28171] "C" "A" "G" "T" "T" "G" "A" "C" "T" "T" "G" "T" "T" "G" "T" "G" "T" "G" "T"
## [28189] "G" "G" "A" "C" "A" "T" "T" "A" "C" "A" "T" "C" "C" "G" "G" "T" " " "A"
## [28207] "A" "T" "G" "T" "T" "G" "A" "T" "C" "T" "A" "A" "C" "A" "A" "T" "C" "A"
  [28225] "T" "C" "G" "G" "T" "T" "T" "A" "G" "T" "C" "T" "A" "C" "A" "C" "T" "T"
  [28243] "G" "T" "A" "G" "T" "A" "T" "C" "G" "T" "A" "G" "T" "T" "A" "C" "T" "C"
  [28261] "A" "G" "A" "G" "T" "C" "A" "C" "T" "T" "A" "T" "G" "A" "C" " " "A" "C"
## [28279] "T" "T" "A" "A" "G" "G" "T" "A" "G" "A" "T" "C" "A" "T" "A" "A" "C"
## [28297] "A" "A" "T" "A" "T" "C" "G" "C" "G" "G" "A" "A" "A" "G" "A" "C" "A" "T"
## [28315] "T" "T" "T" "G" "T" "G" "C" "G" "T" "G" "T" "C" "T" "T" "A" "A" "A" "A"
## [28333] "C" "T" "C" "G" "T" "C" "A" "A" "A" "G" "T" "T" "C" "T" " " "C" "A" "C"
## [28351] "G" "C" "C" "C" "T" "C" "T" "T" "T" "A" "A" "C" "T" "A" "G" "C" "A"
  [28369]
          "T" "G" "T" "T" "G" "T" "G" "C" "T" "C" "G" "T" "C" "G" "G" "A"
## [28387] "C" "T" "A" "C" "G" "T" "T" "T" "A" "C" "G" "T" "A" "T" "T" "T" "T" "C" "T"
## [28405] "C" "C" "T" "G" "A" "G" "T" "C" "A" "T" "A" "A" "C" " " "T" "A" "A" "A" "A"
## [28423] "G" "A" "C" "A" "A" "G" "T" "G" "G" "T" "T" "A" "T" "A" "A" "G" "G" "T"
## [28441] "C" "C" "G" "T" "G" "G" "A" "A" "A" "A" "A" "A" "T" "C" "G" "A" "A" "A" "A"
## [28459] "A" "G" "G" "A" "A" "A" "A" "C" "A" "T" "T" "G" "A" "A" "A" "A" "T" "T" "T"
## [28477] "T" "A" "A" "T" "G" "G" "T" "G" "T" "C" "C" "T" " " "A" "A" "G" "T" "T"
## [28495] "G" "T" "T" "A" "A" "A" "C" "A" "A" "C" "T" "T" "A" "C" "G" "A" "A"
## [28513] "A" "T" "A" "T" "T" "A" "G" "G" "T" "T" "T" "T" "G" "G" "A" "A" "A" "A" "G" "T"
  [28531] "G" "T" "C" "A" "A" "A" "G" "G" "T" "G" "T" "T" "T" "T" "T" "C" "G" "T" "G"
[28567] "C" "T" "A" "C" "G" "G" "T" "T" "T" "T" "A" "T" "T" "A" "C" "C" "G" "C"
## [28585] "T" "A" "G" "A" "G" "A" "G" "T" "A" "A" "T" "T" "C" "A" "A" "A" "T"
## [28603] "T" "T" "C" "A" "G" "T" "G" "G" "T" "T" "G" "T" "T" "A" "T" "A" "A" "C"
"A" "A" "C" "C" "T" "C" "A" "T" "A" "A" "A" "G" "T" "T" "C" "T" "T" "C"
  [28639]
  [28657] "C" "A" "A" "C" "A" "G" "T" "A" "A" "T" "T" "C" "T" "G" "G" "A" "A" "G"
  [28675] "C" "C" "T" "T" "G" "G" "A" "A" "G" "A" "G" "G" "T" "T" "G" "T" "T" "G"
## [28693] "T" "G" "G" "A" "C" "A" "T" "A" "C" " " "C" "A" "A" "T" "G" "T" "T" "G"
## [28711] "G" "A" "T" "A" "C" "A" "A" "T" "C" "G" "C" "G" "A" "T" "C" "G" "T" "G"
## [28729] "C" "A" "C" "C" "T" "T" "G" "G" "G" "T" "T" "A" "T" "C" "C" "G" "T" "G"
## [28747] "T" "G" "A" "A" "C" "A" "A" "T" "A" "C" "C" "G" "T" "T" "G" "G" "T" "T"
## [28765] "G" "T" "A" "T" "T" "C" "T" "C" " "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "C"
  [28783] "G" "G" "A" "G" "G" "T" "T" "T" "C" "C" "G" "T" "T" "A" "T" "C" "A" "C"
##
  [28801] "G" "C" "T" "G" "G" "T" "G" "G" "G" "A" "A" "T" "G" "C" "T" "T" "C" "T"
## [28819] "T" "A" "C" "C" "A" "A" "A" "A" "G" "T" "T" "C" "G" "G" "T" "C" "T" "A"
## [28837] "A" "G" "T" "A" "A" "T" "A" " "C" "C" "G" "A" "T" "A" "A" "G" "C" "C" "G"
## [28855] "T" "T" "C" "T" "G" "A" "T" "A" "C" "G" "A" "G" "T" "C" "C" "A" "G" "G"
## [28873] "A" "T" "G" "A" "A" "G" "A" "C" "T" "T" "A" "A" "C" "A" "C" "T" "G" "T"
"T" "T" "G" "T" "T" "G" " " "T" "C" "G" "T" "A" "A" "A" "A" "A" "C" "C"
   [28909]
  [28927] "C" "A" "T" "T" "C" "A" "T" "T" "G" "G" "T" "G" "T" "G" "T" "C" "A" "T" "C"
  [28945] "A" "C" "C" "G" "T" "G" "G" "A" "A" "G" "A" "A" "A" "T" "C" "A" "G" "T"
## [28963] "T" "T" "A" "A" "G" "A" "G" "T" "C" "A" "C" "G" "G" "T" "G" "T" "T" "T"
          "T" "A" "A" "G" "C" " " "G" "T" "T" "C" "A" "C" "C" "G" "A" "A" "A" "A" "T"
  [28981]
## [28999] "T" "G" "T" "T" "T" "T" "A" "G" "C" "G" "G" "G" "C" "A" "G" "A" "C" "G"
## [29017] "G" "T" "A" "C" "T" "T" "C" "A" "A" "G" "T" "G" "G" "T" "G" "T" "T"
## [29035] "A" "C" "T" "A" "G" "T" "G" "T" "G" "A" "A" "G" "T" "A" "C" "T" "C" "T"
```

```
## [29053] "C" "A" "A" "C" " "T" "T" "T" "C" "C" "G" "T" "G" "T" "A" "A" "A" "C"
   [29071] "C" "A" "A" "C" "G" "T" "A" "A" "G" "T" "A" "A" "A" "C" "C" "A" "C" "T"
  [29089] "G" "C" "G" "T" "T" "G" "A" "C" "C" "T" "A" "T" "C" "T" "G" "T" "C" "T"
  [29107] "A" "G" "C" "T" "T" "A" "A" "G" "A" "T" "G" "G" "G" "G" "T" "A" "T" "T" "T"
## [29125] "C" "G" "G" " " "T" "A" "G" "T" "T" "C" "G" "A" "A" "A" "A" "A" "A" "A" "G" "A"
## [29143] "A" "A" "A" "G" "T" "T" "G" "G" "G" "A" "A" "C" "C" "A" "A" "C" "T" "T"
## [29161] "A" "T" "C" "A" "G" "A" "A" "C" "T" "A" "A" "T" "A" "C" "C" "T" "T" "A"
## [29179] "A" "A" "T" "T" "C" "C" "C" "T" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A"
   [29197] "A" "A" " "C" "C" "T" "G" "T" "A" "A" "G" "G" "G" "G" "T" "A" "A" "C"
  [29215] "T" "T" "C" "C" "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "A" "G" "A" "A" "A"
  ## [29251] "C" "C" "A" "C" "A" "G" "A" "C" "G" "T" "T" "A" "A" "G" "T" "A" "T" "C"
  [29269] "G" " "A" "G" "A" "A" "A" "A" "G" "T" "C" "T" "T" "G" "C" "A" "A" "G"
## [29287] "G" "C" "A" "C" "A" "T" "G" "G" "T" "T" "C" "G" "T" "T" "A" "A" "A" "A" "G"
## [29305] "T" "A" "C" "G" "A" "G" "T" "A" "C" "A" "A" "G" "T" "G" "C" "C" "G" "T"
## [29323] "C" "G" "T" "C" "A" "T" "A" "T" "G" "T" "G" "G" "G" "G" "A" "G" "A" "A"
  [29341]
          " " "T" "C" "A" "C" "A" "G" "T" "T" "A" "T" "T" "T" "C" "A" "G" "G" "T"
## [29359] "C" "A" "A" "C" "A" "A" "G" "C" "C" "T" "G" "T" "T" "T" "T" "C" "A" "C" "G"
## [29377] "T" "A" "C" "T" "T" "C" "G" "A" "A" "A" "T" "G" "G" "T" "C" "G" "T" "G"
## [29395] "C" "A" "C" "G" "A" "T" "C" "T" "T" "C" "C" "A" "G" "A" "A" "A" "A" "T" "
## [29413] "T" "A" "C" "G" "T" "G" "A" "G" "T" "T" "C" "T" "C" "C" "C" "C" "A" "T" "C"
## [29431] "G" "G" "T" "A" "G" "T" "C" "C" "C" "G" "G" "T" "G" "T" "C" "T" "T" "C"
## [29449] "A" "A" "C" "A" "A" "T" "A" "G" "C" "T" "G" "T" "A" "T" "C" "G" "C" "T"
## [29467] "C" "A" "C" "A" "T" "A" "C" "G" "G" "G" "G" "A" "G" "G" "C" "A" " " "A"
## [29485] "T" "T" "C" "G" "A" "G" "T" "G" "C" "G" "T" "A" "C" "T" "C" "A" "A" "G"
  [29503] "T" "G" "C" "C" "C" "A" "T" "T" "G" "T" "G" "G" "T" "G" "A" "C" "G" "A"
## [29521] "T" "A" "C" "A" "A" "A" "T" "C" "A" "C" "A" "A" "G" "G" "T" "C" "A" "A"
   [29539] "A" "A" "G" "A" "A" "C" "T" "T" "T" "A" "G" "A" "A" "G" " " "T" "A"
## [29557] "T" "T" "C" "C" "T" "A" "G" "T" "C" "A" "C" "G" "G" "T" "T" "C" "G" "A"
## [29575] "G" "C" "A" "G" "C" "G" "G" "A" "T" "T" "C" "A" "G" "T" "T" "T" "A" "C"
## [29593] "T" "G" "A" "A" "A" "T" "C" "T" "A" "G" "C" "C" "G" "C" "G" "C" "G" "C" "A"
          "T" "T" "G" "A" "T" "A" "C" "C" "G" "G" "T" "G" "G" "T" " " "C" "G" "A"
   [29611]
  [29629] "G" "G" "A" "A" "A" "T" "A" "A" "T" "G" "G" "C" "A" "A" "G" "A" "A" "T"
## [29647] "G" "C" "T" "T" "C" "T" "T" "C" "T" "G" "G" "A" "A" "C" "G" "C" "C"
## [29665] "A" "T" "T" "C" "G" "G" "T" "G" "A" "C" "C" "A" "T" "A" "A" "A" "G" "C"
## [29683] "G" "G" "T" "G" "T" "A" "C" "T" "C" "C" "T" " " "G" "T" "T" "C"
## [29701] "C" "T" "G" "T" "G" "G" "T" "T" "C" "A" "C" "A" "G" "A" "G" "T" "G" "G"
## [29719] "T" "G" "A" "T" "G" "C" "T" "G" "C" "A" "T" "G" "A" "C" "A" "T" "G" "A" "C" "T" "T" "A"
## [29737] "C" "G" "G" "A" "A" "G" "C" "T" "C" "A" "A" "G" "A" "C" "G" "A" "T" "G"
## [29755] "G" "T" "C" "G" "A" "G" "T" "T" "G" "G" "T" "A" " " "T" "T" "G" "T" "A"
## [29773] "C" "T" "G" "G" "T" "A" "C" "T" "C" "C" "A" "C" "G" "T" "C" "A" "A" "G"
## [29791] "C" "T" "C" "G" "T" "A" "G" "C" "T" "T" "T" "G" "C" "A" "A" "A" "A" "C" "T"
## [29809] "A" "C" "T" "T" "G" "T" "G" "T" "A" "T" "C" "C" "C" "G" "A" "C" "A" "A"
## [29827] "G" "T" "T" "C" "A" "A" "C" "T" "C" "C" "G" " " "T" "T" "T" "T" "T" "G" "C"
## [29845] "G" "G" "A" "A" "A" "A" "G" "T" "T" "G" "A" "A" "G" "A" "T" "G" "A"
## [29863] "T" "T" "C" "G" "G" "T" "G" "T" "T" "C" "A" "C" "G" "G" "T" "A" "G" "A"
          "A" "A" "T" "T" "C" "T" "A" "C" "A" "A" "C" "T" "G" "C" "A" "C" "G"
   [29881]
  [29899] "A" "G" "A" "C" "T" "A" "T" "T" "C" "T" " "G" "G" "A" "G" "A" "G"
  [29917] "G" "T" "G" "C" "C" "T" "C" "A" "G" "A" "G" "G" "T" "T" "T" "C" "G" "G"
## [29935] "T" "G" "C" "A" "T" "G" "C" "T" "C" "G" "T" "G" "C" "A" "G" "C" "G" "C"
          "T" "T" "G" "G" "A" "C" "A" "T" "T" "T" "T" "G" "T" "C" "C" "G" "T" "T"
  [29953]
## [29971] "T" "G" "A" "C" "T" "C" "A" "A" "C" " " "C" "T" "G" "C" "A" "C" "A" "C"
## [29989] "A" "A" "A" "A" "G" "G" "G" "C" "A" "G" "C" "T" "T" "T" "T" "G" "G" "T" "C"
## [30007] "C" "C" "T" "G" "T" "T" "C" "C" "G" "A" "G" "A" "G" "G" "T" "A" "G" "A"
```

```
## [30025] "A" "T" "G" "G" "A" "A" "A" "G" "C" "C" "A" "G" "T" "G" "T" "G" "G" "G"
   [30061] "C" "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "C" "G" "A" "C" "G" "T" "T"
  [30079] "T" "T" "G" "C" "C" "T" "G" "C" "T" "T" "T" "G" "G" "G" "C" "A" "T" "T" "C"
## [30097] "G" "T" "C" "G" "G" "A" "C" "G" "T" "C" "T" "T" "C" "T" "A" "T" "C" "T"
## [30115] "G" "C" "T" "C" "A" "A" "T" " "G" "A" "G" "C" "A" "C" "A" "G" "G" "A"
## [30133] "C" "A" "G" "T" "T" "G" "C" "T" "G" "T" "C" "A" "T" "T" "A" "A" "T" "C"
## [30151] "A" "A" "T" "A" "A" "T" "T" "A" "A" "T" "A" "T" "G" "A" "C" "G" "C" "A"
  [30169] "C" "T" "C" "A" "C" "G" "T" "G" "A" "T" "T" "C" "G" "T" "A" "C" "G" "T"
## [30187] "C" "G" "G" "C" "T" "C" " " "A" "C" "T" "G" "T" "C" "G" "G" "T" "G" "T"
## [30205] "G" "T" "C" "T" "A" "A" "A" "T" "T" "T" "C" "A" "A" "G" "C" "A" "A" "A"
## [30223] "A" "T" "C" "T" "C" "T" "T" "G" "T" "C" "T" "A" "G" "A" "T" "G" "T" "T"
## [30241] "C" "T" "C" "T" "A" "G" "C" "T" "T" "T" "C" "A" "A" "C" "C" "A" "A" "C"
## [30259] "C" "A" "A" "A" "C"
#strainOmicron
lengthOmicron <- lengthSeq(strainOmicron)</pre>
percentageGC_Omicron <- percentageGC(strainOmicron)</pre>
## [1] "GC : 36.9563776186688%"
percentageBasesOmicron <- percentageBases(strainOmicron)</pre>
reverseOmicron <- reverseSeq(strainOmicron)</pre>
print("strainOmicron")
```

## ## [1] "strainOmicron"

## strainOmicron

```
[1] "A" "G" "A" "T" "C" "T" "G" "T" "C" "T" "C" "T" "A" "A" "A" "A" "C" "G"
##
      [19] "A" "A" "C" "T" "T" "T" "A" "A" "A" "A" "T" "C" "T" "G" "T" "G" "T" "G"
##
      [37] "G" "C" "T" "G" "T" "C" "A" "C" "T" "C" "G" "G" "C" "T" "G" "C" "A" "T"
##
      [55] "G" "C" "T" "T" "A" "G" "T" "G" "C" "A" "C" "T" "C" "A" "C" "A" "C" "A" "C" "A" "C" "G" " " " "C"
      ##
      [91] "T" "T" "A" "C" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" "A" "G" "G" "A"
##
     [109] "C" "A" "C" "G" "A" "G" "T" "A" "A" "C" "T" "C" "G" "T" "C" "T" "A" "T"
##
     [127] "C" "T" "T" "C" "T" "G" "C" "A" "G" "G" "C" "T" "G" "C" "T" " " "T" "A"
##
     [145] "C" "G" "G" "T" "T" "T" "C" "G" "T" "C" "C" "G" "T" "G" "T" "T" "G" "C"
##
     [163] "A" "G" "C" "C" "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "C" "A" "T"
##
     [181] "C" "T" "A" "G" "G" "T" "T" "T" "T" "G" "T" "C" "C" "G" "G" "G" "G" "T" "G"
##
     [199] "T" "G" "A" "C" "C" "G" "A" "A" "A" "G" "G" "T" "A" "A" "A" " " "G" "A" "T"
##
     [217] "G" "G" "A" "G" "A" "G" "C" "C" "T" "T" "G" "T" "C" "C" "C" "T" "G" "G"
##
     [235] "T" "T" "T" "C" "A" "A" "C" "G" "A" "G" "A" "A" "A" "A" "A" "C" "A" "C" "A"
##
     [253] "C" "G" "T" "C" "C" "A" "A" "C" "T" "C" "A" "G" "T" "T" "T" "G" "C" "C"
##
     [271] "T" "G" "T" "T" "T" "T" "A" "C" "A" "G" "G" "T" "T" " " "C" "G" "C" "G"
##
     [289] "A" "C" "G" "T" "G" "C" "T" "C" "G" "T" "A" "C" "G" "T" "G" "G" "C" "T"
##
     [307] "T" "T" "G" "G" "A" "G" "A" "C" "T" "C" "C" "G" "T" "G" "G" "A" "G" "G"
##
     [325] "A" "G" "G" "T" "C" "T" "T" "A" "T" "C" "A" "G" "A" "G" "G" "C" "A" "C"
##
     [343] "G" "T" "C" "A" "A" "C" "A" "T" "C" "T" "T" "A" " " "A" "A" "G" "A" "T"
##
     [361] "G" "G" "C" "A" "C" "T" "T" "G" "T" "G" "G" "C" "T" "T" "A" "G" "T" "A"
##
     [379] "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "G" "C" "G" "T" "T"
##
     [397] "T" "T" "G" "C" "C" "T" "C" "A" "A" "C" "T" "T" "G" "A" "A" "C" "A" "G"
##
     [415] "C" "C" "C" "T" "A" "T" "G" "T" "G" "T" "T" " " "C" "A" "T" "C" "A" "A" "A"
##
     [433] "A" "C" "G" "T" "T" "C" "G" "G" "A" "T" "G" "C" "T" "C" "G" "A" "A" "C"
##
     [451] "T" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T" "C" "A" "T" "G" "T"
##
     [469] "T" "A" "T" "G" "G" "T" "T" "G" "A" "G" "C" "T" "G" "G" "T" "A" "G" "C"
##
```

```
[487] "A" "G" "A" "A" "C" "T" "C" "G" "A" "A" " " "G" "G" "C" "A" "T" "T" "C"
##
     [505] "A" "G" "T" "A" "C" "G" "G" "T" "C" "G" "T" "A" "G" "T" "G" "T" "G"
##
     [523] "A" "G" "A" "C" "A" "C" "T" "T" "G" "G" "T" "G" "T" "C" "C" "T" "T" "G"
##
##
     [541] "T" "C" "C" "C" "T" "C" "A" "T" "G" "T" "G" "G" "G" "G" "C" "G" "A" "A" "A"
     [559] "T" "A" "C" "C" "A" "G" "T" "G" "G" " " " "C" "T" "T" "A" "C" "C" "G" "C"
##
     [577] "A" "A" "G" "G" "T" "T" "C" "T" "T" "C" "T" "T" "C" "G" "T" "A" "A" "G"
##
     [595] "A" "A" "C" "G" "G" "T" "A" "A" "T" "A" "A" "A" "G" "G" "A" "G" "C" "T"
##
     [613] "G" "G" "T" "G" "G" "C" "C" "A" "T" "A" "G" "T" "A" "G" "T" "A" "C" "G" "G" "C"
##
     [631] "G" "C" "C" "G" "A" "T" "C" "T" " " "A" "A" "A" "G" "T" "C" "A" "T" "T"
##
##
     [649] "T" "G" "A" "C" "T" "T" "A" "G" "G" "C" "G" "A" "C" "G" "A" "C" "G" "A" "G" "C" "T"
     [667] "T" "G" "G" "C" "A" "C" "T" "G" "A" "T" "C" "C" "T" "T" "A" "T" "G" "A"
     [685] "A" "G" "A" "T" "T" "T" "T" "C" "A" "A" "G" "A" "A" "A" "A" "A" "C" "T" "G"
##
     [703] "G" "A" "A" "C" "A" "C" "T" " " "A" "A" "A" "C" "A" "T" "A" "G" "C" "A"
##
     [721] "G" "T" "G" "G" "T" "G" "T" "T" "A" "C" "C" "C" "G" "T" "G" "A" "A" "C"
##
##
     [739] "T" "C" "A" "T" "G" "C" "G" "T" "G" "A" "G" "C" "T" "T" "A" "A" "A" "C" "G"
     [757] "G" "A" "G" "G" "G" "G" "C" "A" "T" "A" "C" "A" "C" "T" "C" "G" "C" "T"
##
     [775] "A" "T" "G" "T" "C" "G" " " "A" "T" "A" "A" "C" "A" "A" "C" "T" "T" "C"
##
     [793] "T" "G" "T" "G" "G" "C" "C" "C" "T" "G" "A" "T" "G" "G" "C" "T" "A" "C"
##
     [811] "C" "C" "T" "C" "T" "T" "G" "A" "G" "T" "G" "C" "A" "T" "T" "A" "A" "A"
##
     [829] "G" "A" "C" "C" "T" "T" "C" "T" "A" "G" "C" "A" "C" "G" "T" "G" "C" "T"
##
     [847] "G" "G" "T" "A" "A" "A" " "G" "C" "T" "T" "C" "A" "T" "G" "C" "A" "C"
##
     [865] "T" "T" "T" "G" "T" "C" "C" "G" "A" "A" "C" "A" "A" "C" "T" "G" "G" "A"
##
     [883] "C" "T" "T" "T" "A" "T" "T" "G" "A" "C" "A" "C" "T" "A" "A" "G" "A" "G"
##
     [901] "G" "G" "G" "T" "G" "T" "A" "T" "A" "C" "T" "G" "C" "T" "G" "C" "C" "C" "G"
##
     [919] "T" "G" "A" "A" " " "C" "A" "T" "G" "A" "G" "C" "A" "T" "G" "A" "A" "A"
##
     [937] "T" "T" "G" "C" "T" "T" "G" "G" "T" "A" "C" "A" "C" "G" "G" "A" "A" "C"
     [955] "G" "T" "T" "C" "T" "G" "A" "A" "A" "A" "G" "A" "G" "C" "T" "A" "T" "G"
##
     [973] "A" "A" "T" "T" "G" "C" "A" "G" "A" "C" "A" "C" "C" "T" "T" "T" "T" "G"
     ##
    [1009] "A" "A" "A" "T" "T" "T" "G" "A" "C" "A" "C" "C" "T" "T" "C" "A" "A" "T"
    [1027] "G" "G" "G" "G" "A" "A" "T" "G" "T" "C" "C" "A" "A" "A" "T" "T" "T" "T"
##
    [1045] "G" "T" "A" "T" "T" "T" "C" "C" "C" "T" "T" "A" "A" "A" "A" "T" "T" "C" "C"
##
    [1063] "A" "T" " "A" "A" "T" "C" "A" "A" "G" "A" "C" "T" "A" "T" "T" "C" "A"
##
    [1099] "A" "A" "A" "G" "C" "T" "T" "G" "A" "T" "G" "G" "C" "T" "T" "T" "A" "T"
##
    [1117] "G" "G" "G" "T" "A" "G" "A" "A" "T" "T" "C" "G" "A" "T" "C" "G" "T"
##
    [1135] "C" " " "T" "A" "T" "C" "C" "A" "G" "T" "T" "G" "C" "G" "T" "C" "A" "C"
##
##
    [1171] "T" "G" "T" "G" "C" "C" "T" "T" "T" "C" "A" "A" "C" "T" "C" "T" "C" "A"
##
    [1189] "T" "G" "A" "A" "G" "T" "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "T" "G"
##
    [1207] " " "G" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "T" "G" "G" "G" "C" "A" "G"
    [1225] "A" "C" "G" "G" "G" "C" "G" "A" "T" "T" "T" "T" "G" "T" "T" "A" "A" "A"
##
    [1243] "G" "C" "C" "A" "C" "T" "T" "G" "C" "G" "A" "A" "T" "T" "T" "T" "G" "T"
##
    [1261] "G" "G" "C" "A" "C" "T" "G" "A" "G" "A" "A" "T" "T" "T" "T" "G" "A" "C" "
    [1279] "T" "A" "A" "A" "G" "A" "A" "G" "G" "T" "G" "C" "C" "A" "C" "T" "A" "C"
    [1297] "T" "T" "G" "T" "G" "G" "T" "T" "A" "C" "T" "T" "A" "C" "C" "C" "C" "C" "A"
##
    [1315] "A" "A" "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "T"
##
    [1333] "T" "T" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "A" "T" "G" "T" " "C"
##
    [1351] "A" "C" "A" "A" "T" "T" "C" "A" "G" "A" "G" "T" "A" "G" "G" "A" "C"
    [1369] "C" "T" "G" "A" "G" "C" "A" "T" "A" "G" "T" "C" "T" "T" "G" "C" "C" "G"
##
    [1387] "A" "A" "T" "A" "C" "C" "A" "T" "A" "A" "T" "G" "A" "A" "T" "C" "T" "G"
##
    [1405] "G" "C" "T" "T" "G" "A" "A" "A" "A" "C" "C" "A" "T" "T" "C" " " "T" "T"
##
    [1423] "C" "G" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "C" "G" "C" "A" "C" "T"
##
    [1441] "A" "T" "T" "G" "C" "C" "T" "T" "T" "G" "G" "A" "G" "G" "C" "T" "G" "T"
##
```

```
[1459] "G" "T" "G" "T" "T" "C" "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "G" "T"
    [1477] "T" "G" "C" "C" "A" "T" "A" "A" "C" "A" "A" "G" "T" "G" " " "T" "G" " " "C"
##
    [1495] "C" "T" "A" "T" "T" "G" "G" "G" "T" "T" "C" "C" "A" "C" "G" "T" "G" "C"
##
    [1513] "T" "A" "G" "C" "G" "C" "T" "A" "A" "C" "A" "T" "A" "G" "G" "T" "T" "G"
    [1531] "T" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "G" "T" "G" "T" "T" "G" "T"
    [1549] "T" "G" "G" "A" "G" "A" "A" "G" "G" "T" "T" "C" "C" " " " "G" "A" "A" "G"
##
    [1567] "G" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "A" "A" "C" "C" "T" "T" "C"
    [1585] "T" "T" "G" "A" "A" "A" "T" "A" "C" "T" "C" "C" "A" "A" "A" "A" "A" "A" "G"
##
    [1603] "A" "G" "A" "A" "A" "G" "T" "C" "A" "A" "C" "A" "T" "C" "A" "A" "T" "A"
    [1621] "T" "T" "G" "T" "T" "G" "G" "T" "G" "A" "C" "T" " "T" "T" "A" "A" "A" "A"
##
    [1639] "C" "T" "T" "A" "A" "T" "G" "A" "A" "G" "A" "G" "A" "T" "C" "G" "C" "C"
    [1657] "A" "T" "T" "A" "T" "T" "T" "T" "G" "G" "C" "A" "T" "C" "T" "T" "T" "T"
##
    [1675] "T" "C" "T" "G" "C" "T" "T" "C" "C" "A" "C" "A" "A" "G" "T" "G" "T"
    [1693] "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "C" " "T" "G" "T" "G" "A" "A" "A"
##
    [1711] "A" "G" "G" "T" "T" "T" "G" "G" "A" "T" "T" "A" "T" "A" "A" "A" "A" "G" "C"
    [1729] "A" "T" "T" "C" "A" "A" "A" "C" "A" "A" "A" "T" "T" "G" "T" "T" "G" "A"
##
##
    [1747] "A" "T" "C" "C" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T" "T" "T" "A" "A"
    ##
    [1783] "C" "T" "A" "A" "A" "A" "A" "G" "G" "T" "G" "C" "C" "T" "G" "G" "A"
    [1801] "A" "T" "A" "T" "T" "G" "G" "T" "G" "A" "A" "C" "A" "G" "A" "A" "A" "T"
##
    [1819] "C" "A" "A" "T" "A" "C" "T" "G" "A" "G" "T" "C" "C" "T" "C" "T" "T" "T"
##
    [1837] "A" "T" "G" "C" "A" "T" "T" "T" "G" " " "C" "A" "T" "C" "A" "G" "A" "G"
##
    [1855] "G" "C" "T" "G" "C" "T" "C" "G" "T" "G" "T" "G" "T" "A" "C" "G" "A"
##
    [1873] "T" "C" "A" "A" "T" "T" "T" "T" "C" "T" "C" "C" "C" "G" "C" "A" "C" "T"
    [1891] "C" "T" "T" "G" "A" "A" "A" "C" "T" "G" "C" "T" "C" "A" "A" "A" "A" "A" "T"
##
    [1909] "T" "C" "T" "G" "T" "G" "C" "G" " " "T" "G" "T" "T" "T" "T" "T" "A" "C" "A"
    [1927] "G" "A" "A" "G" "G" "C" "C" "G" "C" "T" "A" "T" "A" "A" "C" "A" "A" "T"
    [1945] "A" "C" "T" "A" "G" "A" "T" "G" "G" "A" "A" "T" "T" "T" "T" "C" "A" "C" "A"
    [1963] "G" "T" "A" "T" "T" "C" "A" "C" "T" "G" "A" "G" "A" "C" "T" "C" "A" "T"
##
    [1981] "T" "G" "A" "T" "G" "C" "T" " "A" "T" "G" "A" "T" "G" "T" "T" "C" "A"
    [1999] "C" "A" "T" "C" "T" "G" "A" "T" "T" "T" "G" "G" "C" "T" "A" "C" "T" "A"
##
    [2017] "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "T" "G" "T" "A" "A" "A" "T" "G" "G"
##
    [2035] "C" "C" "T" "A" "C" "A" "T" "T" "A" "C" "A" "G" "G" "T" "G" "G" "T" "G"
##
    [2053] "T" "T" "G" "T" "T" "C" " " "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "G"
##
    [2071] "C" "A" "G" "T" "G" "G" "C" "T" "A" "A" "C" "T" "A" "A" "C" "A" "T" "C"
##
    [2089] "T" "T" "G" "G" "G" "C" "A" "C" "T" "G" "T" "T" "T" "A" "T" "G" "A" "A"
##
    [2107] "A" "A" "A" "C" "T" "C" "A" "A" "A" "C" "C" "C" "G" "T" "C" "C" "T" "T"
##
##
    [2125] "G" "A" "T" "T" "G" " " "G" "C" "T" "T" "G" "A" "A" "G" "A" "G" "A" "G"
    [2143] "G" "T" "T" "T" "A" "A" "G" "G" "A" "A" "G" "G" "T" "G" "T" "A" "G" "A"
##
    [2161] "G" "T" "T" "T" "C" "T" "T" "A" "G" "A" "G" "A" "C" "G" "G" "T" "T" "G"
##
    [2179] "G" "G" "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "T" "T" "A" "T"
    [2197] "C" "T" "C" "A" " " "A" "C" "C" "T" "G" "T" "G" "C" "T" "G" "T" "G"
##
    [2215] "A" "A" "A" "T" "T" "G" "T" "C" "G" "G" "T" "G" "G" "A" "A" "A" "A"
##
    [2233] "T" "T" "G" "T" "C" "A" "C" "C" "T" "G" "T" "G" "C" "A" "A" "A" "G" "G"
    [2251] "A" "A" "A" "T" "T" "A" "A" "G" "G" "A" "G" "A" "G" "T" "G" "T" "T" "C"
    [2269] "A" "G" "A" " "C" "A" "T" "T" "C" "T" "T" "T" "A" "A" "G" "C" "T" "T"
##
    ##
    [2305] "T" "T" "G" "T" "G" "T" "G" "T" "G" "A" "C" "T" "C" "T" "C"
##
    [2323] "A" "T" "T" "A" "T" "T" "G" "G" "T" "G" "G" "A" "G" "C" "T" "A" "A" "A"
    [2341] "C" "T" " "T" "A" "A" "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "T" "T"
##
    [2359] "A" "G" "G" "T" "G" "A" "A" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" "C"
##
    [2377] "G" "C" "A" "C" "T" "C" "A" "A" "A" "G" "G" "G" "A" "T" "T" "G" "T" "A"
##
    [2395] "C" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "T" "T" "A" "A" "A" "T" "C"
##
    ##
```

```
[2431] "T" "A" "C" "T" "C" "A" "T" "G" "C" "C" "T" "C" "T" "A" "A" "A" "A" "A" "G"
    [2449] "C" "C" "C" "C" "A" "A" "A" "A" "G" "A" "A" "A" "T" "T" "T" "A" "T" "C" "T"
##
    ##
   [2485] " " "T" "T" "C" "C" "A" "C" "A" "G" "A" "G" "T" "G" "T" "G" "T" "A"
##
   [2503] "A" "C" "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T" "G"
   [2521] "A" "A" "A" "A" "C" "T" "G" "G" "T" "G" "A" "T" "T" "T" "A" "C" "A" "A"
##
   [2539] "C" "C" "A" "T" "T" "A" "G" "A" "A" "C" "A" "A" "C" "C" "C" "T" "A" "C" "
   [2557] "T" "A" "G" "T" "G" "A" "A" "G" "C" "T" "G" "T" "T" "G" "A" "A" "G" "C"
##
    [2575] "T" "C" "C" "A" "T" "T" "G" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "C" "C"
   [2593] "A" "G" "T" "T" "T" "G" "T" "A" "T" "T" "A" "A" "C" "G" "G" "G" "C" "T"
##
   [2611] "T" "A" "T" "G" "T" "T" "G" "C" "T" "C" "G" "A" "A" "A" "A" "T" "C" " " "A"
   [2629] "A" "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A" "A" "A" "G" "T" "A" "C" "T"
##
   [2647] "G" "T" "G" "C" "C" "T" "T" "G" "C" "A" "C" "C" "T" "A" "A" "T" "A"
   ##
##
   [2683] "C" "C" "T" "T" "C" "A" "C" "A" "C" "T" "C" "A" "A" "A" "A" "G" " " "G" "C"
   ##
##
   [2719] "A" "C" "T" "T" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T"
   [2737] "G" "T" "G" "A" "T" "A" "G" "A" "A" "G" "T" "G" "C" "A" "A" "G" "T"
##
   [2755] "T" "A" "C" "A" "A" "G" "A" "G" "T" "G" "T" "G" "A" "A" "A" " " " "T" "A" "T"
##
   [2773] "C" "A" "C" "T" "T" "T" "T" "G" "A" "A" "C" "T" "T" "G" "A" "T" "G" "A"
##
   [2791] "A" "A" "G" "G" "A" "T" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "C" "T"
##
   [2809] "T" "A" "A" "T" "G" "A" "G" "A" "G" "G" "T" "G" "C" "T" "C" "T" "G" "C"
##
   [2827] "C" "T" "A" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" " " " "C" "T" "C" "G"
##
   [2845] "G" "T" "A" "C" "A" "G" "A" "A" "G" "T" "A" "A" "A" "T" "G" "A" "G" "T"
   [2863] "T" "C" "G" "C" "C" "T" "G" "T" "G" "T" "T" "G" "T" "G" "T" "G" "C" "A" "G"
##
   [2881] "A" "T" "G" "C" "T" "G" "T" "C" "A" "T" "A" "A" "A" "A" "A" "A" "C" "T" "T"
   [2899] "T" "G" "C" "A" "A" "C" "C" "A" "G" "T" "A" "T" " " "C" "T" "G" "A" "A"
##
   [2917] "T" "T" "A" "C" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "G" "C"
   [2935] "A" "T" "T" "G" "A" "T" "T" "T" "A" "G" "A" "T" "G" "A" "G" "T" "G" "G"
##
   [2953] "A" "G" "T" "A" "T" "G" "G" "C" "T" "A" "C" "A" "T" "A" "C" "T" "A" "C"
   [2971] "T" "T" "A" "T" "T" "T" "G" "A" "T" "G" "A" " " " "G" "T" "G" "T" "G" "T" "G" "G"
##
         "T" "G" "A" "G" "T" "T" "T" "A" "A" "A" "T" "T" "G" "G" "C" "T" "T" "C"
##
    [2989]
   [3007] "A" "C" "A" "T" "A" "T" "G" "T" "A" "T" "T" "G" "T" "T" "C" "T" "T" "T"
##
   [3025] "N" "T" "A" "C" "C" "C" "T" "C" "C" "A" "G" "A" "T" "G" "A" "G" "A"
##
   ##
   [3061] "G" "T" "G" "A" "A" "G" "A" "A" "G" "A" "G" "A" "G" "A" "G" "T" "T" "T" "G"
##
   [3079] "A" "G" "C" "C" "A" "T" "C" "A" "A" "C" "T" "C" "A" "A" "T" "G"
##
##
   [3097] "A" "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "G" "A" "A" "G" "A" "G" "A" "T" "G"
   [3115] "A" "T" "T" "A" "C" "C" "A" "A" "G" " " "G" "T" "A" "A" "A" "A" "C" "C" "T"
##
   [3133] "T" "T" "G" "G" "A" "A" "T" "T" "T" "G" "G" "T" "G" "C" "C" "A" "C" "T"
##
    [3151] "T" "C" "T" "G" "C" "T" "G" "C" "T" "C" "T" "T" "C" "A" "A" "C" "C" "T"
   ##
   [3187] "G" "A" "T" "T" "G" "G" "T" "T" " " "A" "G" "A" "T" "G" "A" "T" "G" "A"
##
   [3205] "T" "A" "G" "T" "C" "A" "A" "C" "A" "A" "C" "T" "G" "T" "G" "T" "G" "G"
   [3223] "T" "C" "A" "A" "C" "A" "A" "G" "A" "C" "G" "G" "C" "A" "G" "T" "G" "A"
   [3241] "G" "G" "A" "C" "A" "A" "T" "C" "A" "G" "A" "C" "A" "A" "C" "T" "A" "C"
##
    [3259] "T" "A" "T" "T" "C" "A" "A" " " "A" "C" "A" "A" "T" "T" "G" "T" "T" "G"
##
   [3277] "A" "G" "G" "T" "T" "C" "A" "A" "C" "C" "T" "C" "A" "A" "T" "T" "A" "G"
##
   [3295] "A" "G" "A" "T" "G" "G" "A" "A" "C" "T" "T" "A" "C" "A" "C" "A" "C" "A" "G"
   [3313] "T" "T" "G" "T" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "G"
##
         "T" "G" "A" "A" "T" "A" " " "G" "T" "T" "T" "T" "A" "G" "T" "G" "G" "T"
##
   Γ33311
   [3349] "T" "A" "T" "T" "T" "A" "A" "A" "A" "C" "T" "T" "A" "C" "T" "G" "A" "C"
##
   [3367] "A" "A" "T" "G" "T" "A" "T" "A" "C" "A" "T" "T" "A" "A" "A" "A" "A" "A" "T"
##
   [3385] "G" "C" "A" "G" "A" "C" "A" "T" "T" "G" "T" "G" "G" "A" "A" "A" "G" "A" "A"
##
```

```
[3403] "G" "C" "T" "A" "A" " " "A" "A" "A" "G" "G" "T" "A" "A" "A" "A" "A" "C" "C"
    [3421] "A" "A" "C" "A" "G" "T" "G" "G" "T" "T" "G" "T" "T" "A" "A" "A" "T" "G" "C"
##
    [3439] "A" "G" "C" "C" "A" "A" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "A" "A"
##
    [3457] "A" "C" "A" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "G" "T" "G" "T" "G" "C"
##
    [3475] "A" "G" "G" "A" " " "G" "C" "C" "T" "T" "A" "A" "A" "T" "A" "A" "A" "G" "G"
##
    [3493] "C" "T" "A" "C" "T" "A" "A" "C" "A" "A" "T" "G" "C" "C" "A" "T" "G" "C"
    [3511] "A" "A" "G" "T" "T" "G" "A" "A" "T" "C" "T" "G" "A" "T" "G" "A" "T" "T"
    [3529] "A" "C" "A" "T" "A" "G" "C" "T" "A" "C" "T" "A" "A" "A" "T" "G" "G" "A" "C"
##
    [3547] "C" "A" "C" " " "T" "T" "A" "A" "A" "G" "T" "G" "G" "G" "T" "G" "G" "T"
    [3565] "A" "G" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "G" "C" "G" "G" "A"
##
    [3583] "C" "A" "C" "A" "A" "T" "C" "T" "T" "G" "C" "T" "A" "A" "A" "A" "C" "A" "C"
    [3601] "T" "G" "T" "C" "T" "T" "C" "A" "T" "G" "T" "T" "G" "T" "C" "G" "G" "C"
##
    [3619] "C" "C" " " "A" "A" "A" "T" "G" "T" "T" "A" "A" "C" "A" "A" "A" "G" "G"
    [3637] "T" "G" "A" "A" "G" "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "T" "C" "T"
##
    [3655] "T" "A" "A" "G" "A" "G" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A"
    [3673] "T" "T" "T" "T" "A" "A" "T" "C" "A" "G" "C" "A" "C" "G" "A" "A" "A" "G" "T"
##
##
    [3691] "T" " " "C" "T" "A" "C" "T" "T" "G" "C" "A" "C" "C" "A" "T" "T" "A" "T"
    [3709] "T" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "A" "T" "T" "T" "T" "T" "T" "G"
##
    [3727] "G" "T" "G" "C" "T" "G" "A" "C" "C" "C" "T" "A" "T" "A" "T" "A" "T" "T"
    [3745] "C" "T" "T" "T" "A" "A" "G" "A" "G" "T" "T" "T" "G" "T" "G" "T" "A" "G"
##
    [3763] " " "A" "T" "A" "C" "T" "G" "T" "T" "C" "G" "C" "A" "C" "A" "A" "A" "A" "T"
##
    [3781] "G" "T" "C" "T" "A" "C" "T" "T" "A" "G" "C" "T" "G" "T" "C" "T" "T" "T"
    [3799] "G" "A" "T" "A" "A" "A" "A" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A" "C"
##
    [3817] "A" "A" "A" "C" "T" "T" "G" "T" "T" "T" "C" "A" "A" "G" "C" "T" "T" "T" "
##
    [3835] "T" "T" "G" "G" "G" "A" "A" "A" "T" "G" "A" "A" "G" "A" "G" "A" "G" "A"
##
    [3853] "A" "A" "A" "G" "C" "A" "A" "G" "T" "T" "G" "A" "A" "C" "A" "A" "A" "A" "A"
    [3871] "G" "A" "T" "C" "G" "C" "T" "G" "A" "G" "A" "T" "T" "C" "C" "T" "A" "A"
##
    [3889] "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "A" "A" "G" "C" "C" "A" " "T"
    [3907] "T" "T" "A" "T" "A" "A" "C" "T" "G" "A" "A" "A" "G" "T" "A" "A" "A" "C"
##
    [3925] "C" "T" "T" "C" "A" "G" "T" "T" "G" "A" "A" "C" "A" "G" "A" "G" "A" "A" "A"
    ##
          "T" "C" "A" "A" "A" "G" "C" "T" "T" "G" "T" "G" "T" "T" "G" " T" "A" "A"
##
    [3961]
    [3979] "G" "A" "A" "G" "T" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "C" "T" "G"
##
    [3997] "G" "A" "A" "G" "A" "A" "A" "C" "T" "A" "A" "G" "T" "T" "C" "C" "T" "C"
##
    [4015] "A" "C" "A" "G" "A" "A" "A" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T" "T"
##
    [4033] "T" "A" "T" "A" "T" "T" "G" "A" "C" "A" "T" "T" "A" "A" "A" " " " "T" "G" "G"
##
    [4051] "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "C" "A" "G" "A" "G" "A" "T" "C"
##
##
    [4069] "T" "G" "C" "C" "A" "C" "T" "C" "T" "T" "G" "T" "T" "A" "G" "T" "G" "A"
    [4087] "C" "A" "T" "T" "G" "A" "C" "A" "T" "C" "A" "C" "T" "T" "T" "T" "T" "T" "T"
##
    [4105] "A" "A" "A" "G" "A" "A" "A" "G" "A" "T" "G" "C" "T" " " "C" "C" "A" "T"
##
    [4123] "A" "T" "A" "T" "A" "G" "T" "G" "G" "G" "T" "G" "A" "T" "G" "A" "T" "G"
    ##
    [4159] "C" "T" "G" "C" "T" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "C" "T" "A"
##
    [4177] "C" "T" "A" "A" "A" "A" "G" "G" "C" "T" "G" " " " "G" "T" "G" "C"
    [4195] "A" "C" "T" "A" "C" "T" "G" "A" "A" "A" "T" "G" "C" "T" "A" "G" "C" "G"
    [4213] "A" "A" "A" "G" "C" "T" "T" "T" "G" "A" "G" "A" "A" "A" "A" "A" "G" "T" "G"
##
    [4231] "C" "C" "A" "A" "C" "A" "G" "A" "C" "A" "A" "T" "T" "A" "T" "A" "T" "A"
##
    [4249] "A" "C" "C" "A" "C" "T" "T" "A" "C" "C" "C" " " "G" "G" "G" "G" "T" "C" "A"
##
    [4267] "G" "G" "G" "T" "T" "T" "A" "A" "A" "T" "G" "G" "T" "T" "A" "C" "A" "C"
    [4285] "T" "G" "T" "A" "G" "A" "G" "G" "A" "G" "G" "C" "A" "A" "A" "A" "G" "A" "C"
##
    [4303] "A" "G" "T" "G" "C" "T" "T" "A" "A" "A" "A" "A" "G" "T" "G" "T" "A" "A" "A"
##
    [4321] "A" "A" "G" "T" "G" "C" "C" "T" "T" "T" " "T" "A" "C" "A" "T" "T" "C"
##
    [4339] "T" "A" "C" "C" "A" "T" "C" "T" "A" "T" "T" "A" "T" "C" "T" "C" "T" "A"
##
    [4357] "A" "T" "G" "A" "G" "A" "A" "G" "C" "A" "A" "G" "A" "A" "A" "A" "T" "T" "C"
##
```

```
[4375] "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "T" "T" "C" "T" "T" "G" "G" "A"
    [4393] "A" "T" "T" "T" "G" "C" "G" "A" "G" " " "A" "A" "A" "A" "T" "G" "C" "T" "T"
##
   ##
   [4429] "C" "G" "C" "A" "A" "A" "T" "T" "A" "A" "T" "G" "C" "C" "T" "G" "T" "C"
##
   [4447] "T" "G" "T" "G" "T" "G" "G" "A" "A" "A" "C" "T" "A" "A" "A" "A" "G" "C" "C"
   [4465] "A" "T" "A" "G" "T" "T" "T" "C" " " "A" "A" "C" "T" "A" "T" "A" "C" "A"
##
   [4483] "G" "C" "G" "T" "A" "A" "A" "T" "A" "T" "A" "G" "G" "G" "T" "A" "T"
   [4501] "T" "A" "A" "A" "A" "T" "A" "C" "A" "A" "G" "A" "G" "G" "G" "G" "T" "G" "T"
##
    [4519] "G" "G" "T" "T" "G" "A" "T" "T" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G"
   [4537] "A" "T" "T" "T" "T" "A" "C" " " "T" "T" "T" "A" "C" "A" "C" "A" "C" "A"
##
    [4555] "G" "T" "A" "A" "A" "A" "C" "A" "A" "C" "T" "G" "T" "A" "G" "C" "G" "T"
   [4573] "C" "A" "C" "T" "T" "A" "T" "C" "A" "A" "C" "A" "C" "A" "C" "A" "C" "T" "T" "A"
##
   [4591] "A" "C" "G" "A" "T" "C" "T" "A" "A" "A" "T" "G" "A" "A" "A" "A" "C" "T" "C"
   [4609] "T" "T" "G" "T" "T" "A" " "C" "A" "A" "T" "G" "C" "C" "A" "C" "T" "T"
##
   [4627] "G" "G" "C" "T" "A" "T" "G" "T" "A" "A" "C" "A" "C" "A" "T" "G" "G" "C"
   [4645] "T" "T" "A" "A" "A" "T" "T" "T" "G" "G" "A" "A" "G" "A" "A" "G" "C" "T"
##
##
   Γ46631
         "G" "C" "T" "C" "G" "G" "T" "A" "T" "A" "T" "G" "A" "G" "A" "T" "C" "T"
   [4681] "C" "T" "C" "A" "A" " " "A" "G" "T" "G" "C" "C" "A" "G" "C" "T" "A" "C"
   [4699] "A" "G" "T" "T" "T" "C" "T" "G" "T" "T" "T" "C" "T" "T" "C" "A" "C" "C"
   [4717] "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" "A" "C" "A" "G" "C" "G" "T" "A"
##
   [4735] "T" "A" "A" "T" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "T" "C"
##
   [4753] "T" "T" "C" "T" " "T" "C" "T" "A" "A" "A" "A" "C" "A" "C" "C" "T" "G"
   [4771] "A" "A" "G" "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "T" "G" "A" "A" "A" "A"
##
   [4789] "C" "C" "A" "T" "C" "T" "C" "A" "C" "T" "T" "G" "C" "T" "G" "G" "T" "T"
   [4807] "C" "C" "T" "A" "T" "A" "A" "A" "G" "A" "T" "T" "G" "G" "T" "C" "C" "T"
##
   [4825] "A" "T" "T" " " "C" "T" "G" "G" "A" "C" "A" "A" "T" "C" "T" "A" "C" "A"
   [4843] "C" "A" "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "G" "A" "A" "T" "T" "T"
##
   [4861] "C" "T" "T" "A" "A" "G" "A" "G" "A" "G" "T" "G" "A" "T" "A" "A" "A"
   [4879] "A" "G" "T" "G" "T" "A" "T" "A" "T" "A" "C" "A" "C" "T" "A" "G" "T"
##
   [4897] "A" "A" " "T" "C" "C" "T" "A" "C" "C" "A" "C" "A" "T" "T" "C" "C" "A"
   [4915] "C" "C" "T" "A" "G" "A" "T" "G" "G" "T" "G" "A" "A" "A" "T"
##
   [4933] "C" "A" "C" "C" "T" "T" "T" "G" "A" "C" "A" "A" "T" "C" "T" "T" "A" "A"
##
   [4969] "A" " " "G" "A" "A" "G" "T" "G" "A" "G" "G" "A" "C" "T" "A" "T" "A"
   [4987] "A" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "A" "C" "A" "G" "T" "A" "G"
##
   [5005] "A" "C" "A" "A" "C" "A" "T" "T" "A" "A" "C" "C" "T" "C" "C" "A" "C" "A"
##
   [5023] "C" "G" "C" "A" "A" "G" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "G" "T"
##
##
   [5041] " " "C" "A" "A" "T" "G" "A" "C" "A" "T" "A" "T" "G" "G" "A" "C" "A" "A"
   [5059] "C" "A" "G" "T" "T" "T" "G" "G" "T" "C" "C" "A" "A" "C" "T" "T" "A" "T"
##
   [5077] "T" "T" "G" "G" "A" "T" "G" "G" "A" "G" "C" "T" "G" "A" "T" "G" "T" "T"
##
    [5113] "T" "A" "A" "T" "T" "C" "A" "C" "A" "T" "G" "A" "A" "G" "G" "G" "T" "A" "A"
##
   [5131] "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A" "C" "C"
   [5149] "T" "A" "A" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T" "C" "T" "A" "C" "G"
##
   [5167] "T" "G" "T" "T" "G" "A" "G" "G" "C" "T" "T" "T" "T" "G" "A" "G" " " "T"
   [5185] "A" "C" "T" "A" "C" "C" "A" "C" "A" "C" "A" "A" "C" "T" "G" "A" "T" "C"
##
    [5203] "C" "T" "A" "G" "T" "T" "T" "T" "C" "T" "G" "G" "G" "T" "A" "G" "G" "T"
##
   [5221] "A" "C" "A" "T" "G" "T" "C" "A" "G" "C" "A" "T" "T" "A" "A" "A" "A" "T" "C"
##
   [5239] "A" "C" "A" "C" "T" "A" "A" "A" "A" "A" "G" "T" "G" "G" "A" " " "A" "A" "A"
   [5257] "T" "A" "C" "C" "C" "A" "C" "A" "A" "G" "T" "T" "A" "A" "T" "G" "G" "T"
##
         "T" "T" "A" "A" "C" "T" "T" "C" "T" "A" "T" "T" "A" "A" "A" "T" "G" "G"
##
   [5275]
   [5293] "G" "C" "A" "G" "A" "T" "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "T"
##
    ##
   [5329] "A" "A" "C" "A" "C" "T" "C" "C" "A" "A" "C" "A" "A" "A" "T" "A" "G" "A"
##
```

```
[5347] "G" "T" "T" "G" "A" "A" "G" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C" "C"
   [5365] "T" "G" "C" "T" "C" "T" "A" "C" "A" "A" "G" "A" "T" "G" "C" "T" "T" "A"
##
   [5383] "T" "T" "A" "C" "A" "G" "A" "G" "C" "A" "A" "G" "G" " " " "G" "C" "T" "G"
##
   [5401] "G" "T" "G" "A" "A" "G" "C" "G" "G" "C" "T" "A" "A" "C" "T" "T" "T"
##
   [5419] "G" "T" "G" "C" "A" "C" "T" "T" "A" "T" "C" "T" "T" "A" "G" "C" "C" "T"
   [5437] "A" "C" "T" "G" "T" "A" "A" "T" "A" "A" "G" "A" "C" "A" "G" "T" "A" "G"
##
   [5455] "G" "T" "G" "A" "G" "T" "T" "A" "G" "G" "T" "G" " " "A" "T" "G" "T" "T"
   [5473] "A" "G" "A" "G" "A" "A" "A" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "C"
##
   [5491] "T" "T" "G" "T" "T" "T" "C" "A" "A" "C" "A" "T" "G" "C" "C" "A" "A" "T"
   [5509] "T" "T" "A" "G" "A" "T" "T" "C" "T" "T" "G" "C" "A" "A" "A" "A" "A" "G" "A"
##
   [5527] "G" "T" "C" "T" "T" "G" "A" "A" "C" "G" "T" " " "G" "G" "T" "G" "T" "G"
   [5545] "T" "A" "A" "A" "A" "C" "T" "T" "G" "T" "G" "G" "A" "C" "A" "A" "C" "A"
##
   [5563] "G" "C" "A" "G" "A" "C" "A" "A" "C" "C" "C" "T" "T" "A" "A" "A" "G" "G"
   [5581] "T" "G" "T" "A" "G" "A" "A" "G" "C" "T" "G" "T" "T" "A" "T" "G" "T" "A"
##
##
   [5599] "C" "A" "T" "G" "G" "G" "C" "A" "C" "A" " " "C" "T" "T" "T" "C" "T" "T"
   [5617] "A" "T" "G" "A" "A" "C" "A" "A" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G"
##
##
   [5635]
         "G" "T" "G" "T" "T" "C" "A" "G" "A" "T" "A" "C" "C" "T" "T" "G" "T" "A"
   [5653] "C" "G" "T" "G" "T" "G" "G" "T" "A" "A" "A" "C" "A" "A" "G" "C" "T" "A"
##
   [5671] "C" "A" "A" "A" "A" "T" "A" "T" "C" " " "T" "A" "G" "T" "A" "C" "A" "A"
##
   [5689] "C" "A" "G" "G" "A" "G" "T" "C" "A" "C" "C" "T" "T" "T" "T" "T" "G" "T" "T"
##
   ##
   [5725] "G" "C" "T" "C" "A" "G" "T" "A" "T" "G" "A" "A" "C" "T" "T" "A" "A" "G"
##
   ##
   [5761] "T" "G" "C" "T" "A" "G" "T" "G" "A" "G" "T" "A" "C" "A" "C" "T" "G" "G"
##
   [5779] "T" "A" "A" "T" "T" "A" "C" "C" "A" "G" "T" "G" "T" "G" "T" "G" "T" "C" "A"
##
   [5797] "C" "T" "A" "T" "A" "A" "A" "C" "A" "T" "A" "T" "A" "A" "A" "C" "T" "T" "C"
   [5815] "T" "A" "A" "A" "G" "A" "A" " " "A" "C" "T" "T" "T" "G" "T" "A" "T" "T"
##
   [5833] "G" "C" "A" "T" "A" "G" "A" "C" "G" "G" "T" "G" "C" "T" "T" "T" "A" "C"
   [5851] "T" "T" "A" "C" "A" "A" "A" "G" "T" "C" "C" "T" "C" "A" "G" "A" "A" "T"
##
   [5869] "A" "C" "A" "A" "A" "G" "G" "T" "C" "C" "T" "A" "T" "T" "A" "C" "G" "G"
   [5887] "A" "T" "G" "T" "T" "T" "T" "C" "T" "A" "C" "A" "A" "A" "G" "A" "A" "A"
##
   ##
   [5923] "A" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "T" "A" "C" "T" "T" "A" "T"
##
   ##
   [5959] "T" "G" "T" "A" "C" " " "A" "G" "A" "A" "A" "T" "T" "G" "A" "C" "C" "C"
##
   [5977] "T" "A" "A" "G" "T" "T" "G" "G" "A" "C" "A" "A" "T" "T" "A" "T" "A"
##
   [5995] "T" "A" "A" "G" "A" "A" "G" "A" "C" "A" "A" "T" "T" "C" "T" "T" "A"
##
##
   [6031] "T" "G" "A" "T" " "C" "T" "T" "G" "T" "A" "C" "C" "A" "A" "A" "A" "C" "C"
##
   [6049] "A" "A" "C" "C" "A" "T" "A" "T" "C" "C" "A" "A" "A" "C" "G" "C" "A" "A"
##
   [6085] "T" "T" "G" "T" "A" "T" "G" "T" "G" "A" "T" "A" "A" "T" "A" "T" "A" "T" "C" "A"
##
   [6103] "A" "A" "T" " " "T" "T" "G" "C" "T" "G" "A" "T" "G" "A" "T" "T" "T" "A"
##
   [6121] "A" "A" "C" "C" "A" "G" "T" "T" "A" "A" "C" "T" "G" "G" "T" "T" "A" "T"
   [6139] "A" "A" "G" "A" "A" "A" "C" "C" "T" "G" "C" "T" "T" "C" "A" "A" "A" "G" "A"
   [6157] "G" "A" "G" "C" "T" "T" "A" "A" "A" "G" "T" "T" "A" "C" "A" "T" "T" "T"
##
   [6175] "T" "T" " " "C" "C" "C" "T" "G" "A" "C" "T" "T" "A" "A" "A" "A" "T" "G" "G"
##
   [6193] "T" "G" "A" "T" "G" "T" "G" "G" "T" "G" "G" "C" "T" "A" "T" "T" "G" "A"
##
   [6229] "C" "T" "C" "T" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G" "G" "A" "G" "C"
##
   [6247] "T" " " "A" "A" "A" "T" "T" "G" "T" "T" "A" "C" "A" "T" "A" "A" "A" "A" "C"
##
   [6265] "C" "T" "A" "T" "T" "G" "T" "T" "G" "G" "G" "C" "A" "T" "G" "T" "T" "A"
##
   [6283] "A" "C" "A" "A" "T" "G" "C" "A" "A" "C" "T" "A" "A" "T" "A" "A" "A" "A" "G"
##
   [6301] "C" "C" "A" "C" "G" "T" "A" "T" "A" "A" "A" "C" "C" "A" "A" "A" "A" "T" "A"
##
```

```
[6319] " " "C" "C" "T" "G" "G" "T" "G" "T" "A" "T" "A" "C" "G" "T" "T" "G" "T"
    ##
    [6355] "G" "T" "T" "G" "A" "A" "A" "C" "A" "T" "C" "A" "A" "A" "A" "T" "T" "C" "G"
##
    [6373] "T" "T" "T" "G" "A" "T" "G" "T" "A" "C" "T" "G" "A" "A" "G" "T" "C" " "
##
    [6391] "A" "G" "A" "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "G" "A" "A" "T"
    [6409] "G" "G" "A" "T" "A" "A" "T" "C" "T" "T" "G" "C" "C" "T" "G" "C" "G" "A"
##
    [6427] "A" "G" "A" "T" "C" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "C" "T" "C"
    ##
    [6463] "A" "T" "C" "C" "T" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" "A" "A" "A" "G"
##
    [6481] "A" "C" "G" "T" "T" "C" "T" "T" "G" "A" "G" "T" "G" "T" "A" "A" "T" "G"
##
    [6499] "T" "G" "A" "A" "A" "A" "C" "T" "A" "C" "C" "G" "A" "A" "G" "T" "T" "G"
    [6517] "T" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "A" "C" " " "T" "T"
##
    [6535] "A" "A" "A" "C" "C" "A" "G" "C" "A" "A" "A" "T" "A" "A" "T" "A" "T" "A"
    [6553] "A" "A" "A" "A" "T" "T" "A" "C" "A" "G" "A" "G" "A" "G" "A" "G" "G" "T" "T"
##
    [6571] "G" "G" "C" "C" "A" "C" "A" "C" "A" "G" "A" "T" "C" "T" "A" "A" "T" "G"
    [6589] "G" "C" "T" "G" "C" "T" "T" "A" "T" "G" "T" "A" "G" "A" " " "C" "A" "A" "A"
##
##
    [6607]
          "T" "T" "C" "T" "A" "G" "T" "C" "T" "T" "A" "C" "T" "A" "T" "A" "T" "A" "A"
    [6625] "G" "A" "A" "A" "C" "C" "T" "A" "A" "T" "G" "A" "A" "T" "T" "A" "T" "C"
##
    [6643] "T" "A" "G" "A" "G" "T" "A" "T" "T" "A" "G" "G" "T" "T" "T" "G" "A" "A"
##
    [6661] "A" "A" "C" "C" "C" "T" "T" "G" "C" "T" "A" "C" "T" " " "C" "A" "T" "G"
##
    [6679] "G" "T" "T" "T" "A" "G" "C" "T" "G" "C" "T" "G" "T" "T" "A" "A" "T" "A"
##
    [6697] "G" "T" "G" "T" "C" "C" "C" "T" "T" "G" "G" "G" "A" "T" "A" "C" "T" "A"
    [6715] "T" "A" "G" "C" "T" "A" "A" "T" "T" "A" "T" "G" "C" "T" "A" "A" "G" "C"
##
    [6733] "C" "T" "T" "T" "T" "C" "T" "T" "A" "A" "C" "A" " " "A" "A" "G" "T" "T"
##
    [6751] "G" "T" "T" "A" "G" "T" "A" "C" "A" "A" "C" "T" "A" "C" "T" "A" "C" "T" "A" "C"
##
    [6769] "A" "T" "A" "G" "T" "T" "A" "C" "A" "C" "G" "G" "T" "G" "T" "T" "T" "A"
    [6787] "A" "A" "C" "C" "G" "T" "G" "T" "T" "T" "G" "T" "A" "C" "T" "A" "A" "T"
##
    [6805] "T" "A" "T" "A" "T" "G" "C" "C" "T" "T" "A" " " "T" "T" "T" "T" "C" "T" "T"
    [6823] "T" "A" "C" "T" "T" "T" "A" "T" "T" "G" "C" "T" "A" "C" "A" "A" "T" "T"
##
    [6841] "G" "T" "G" "T" "A" "C" "T" "T" "T" "T" "A" "C" "T" "A" "G" "A" "A" "G"
    [6859] "T" "A" "C" "A" "A" "A" "T" "T" "C" "T" "A" "G" "A" "A" "T" "T" "A" "A"
##
    [6877] "A" "G" "C" "A" "T" "C" "T" "A" "T" "G" " " "C" "C" "G" "A" "C" "T" "A"
##
    [6895] "C" "T" "A" "T" "A" "G" "C" "A" "A" "A" "G" "A" "A" "T" "A" "C" "T" "G"
##
    [6913] "T" "T" "A" "A" "G" "A" "G" "T" "G" "T" "C" "G" "G" "T" "A" "A" "A" "T"
##
    [6931] "T" "T" "T" "G" "T" "C" "T" "A" "G" "A" "G" "G" "C" "T" "T" "C" "A" "T"
##
    [6949] "T" "T" "A" "A" "T" "T" "A" "T" "T" " " "T" "G" "A" "A" "G" "T" "C" "A"
##
    [6967] "C" "C" "T" "A" "A" "T" "T" "T" "T" "T" "C" "T" "A" "A" "A" "C" "T" "G"
##
##
    [7003] "T" "T" "T" "T" "T" "A" "C" "T" "A" "T" "T" "A" "A" "G" "T" "G" "T" "T"
##
    [7021] "T" "G" "C" "C" "T" "A" "G" "G" " " "T" "T" "C" "T" "T" "T" "A" "A" "T"
##
    [7039] "C" "T" "A" "C" "T" "C" "A" "A" "C" "C" "G" "C" "T" "G" "C" "T" "T" "T"
    [7057] "A" "G" "G" "T" "G" "T" "T" "T" "T" "A" "A" "T" "G" "T" "C" "T" "A" "A"
##
    [7075] "T" "T" "A" "G" "G" "C" "A" "T" "G" "C" "C" "T" "T" "C" "T" "T" "A"
    [7093] "C" "T" "G" "T" "A" "C" "T" " "G" "G" "T" "T" "A" "C" "A" "G" "A" "G"
##
    [7111] "A" "A" "G" "G" "C" "T" "A" "T" "T" "T" "G" "A" "A" "C" "T" "C" "T" "A"
    [7129] "C" "T" "A" "A" "T" "G" "T" "C" "A" "C" "T" "A" "T" "T" "G" "C" "A" "A"
##
    [7147] "C" "C" "T" "A" "C" "T" "G" "T" "A" "C" "T" "G" "G" "T" "T" "C" "T" "A"
##
    [7165] "T" "A" "C" "C" "T" "T" " "G" "T" "A" "G" "T" "G" "T" "T" "T" "T" "G" "T"
##
    [7183] "C" "T" "T" "A" "G" "T" "G" "G" "T" "T" "T" "A" "G" "A" "T" "T" "C" "T"
    [7201] "T" "T" "A" "G" "A" "C" "A" "C" "C" "T" "A" "T" "C" "C" "T" "T" "C" "T"
##
    [7219] "T" "T" "A" "G" "A" "A" "A" "C" "T" "A" "T" "A" "C" "A" "A" "A" "T" "T"
##
    [7237] "A" "C" "C" "A" "T" " "T" "T" "C" "A" "T" "C" "T" "T" "T" "T" "T" "A" "A"
##
    [7255] "A" "T" "G" "G" "G" "A" "T" "T" "T" "A" "A" "C" "T" "G" "C" "T" "T" "T" "T"
##
    [7273] "T" "G" "G" "C" "T" "T" "A" "G" "T" "T" "G" "C" "A" "G" "A" "G" "T" "G"
##
```

```
[7291] "G" "T" "T" "T" "T" "T" "G" "G" "C" "A" "T" "A" "T" "A" "T" "A" "T" "C" "T"
    ##
    [7327] "A" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "T" "T" "G" "G" "G" "C" "T" "G"
##
    [7345] "C" "A" "A" "T" "C" "A" "T" "G" "C" "A" "A" "T" "T" "G" "T" "T" "T" "T"
##
    [7363] "T" "C" "A" "G" "C" "T" "A" "T" "T" "T" "T" "G" "C" "A" "G" "T" "A" "C"
    [7381] "A" "T" "T" " "T" "T" "A" "T" "A" "G" "T" "A" "A" "A" "T" "T" "C" "T"
##
    [7399] "T" "G" "G" "C" "T" "T" "A" "T" "G" "T" "G" "T" "T" "A" "A" "T" "A"
    [7417] "A" "T" "T" "A" "A" "T" "C" "T" "T" "G" "T" "A" "C" "A" "A" "A" "A" "T" "G"
##
    [7435] "G" "C" "C" "C" "C" "G" "A" "T" "T" "T" "C" "A" "G" "C" "T" "A" "T" "G"
##
    [7453] "G" "T" " "T" "A" "G" "A" "A" "T" "G" "T" "A" "C" "A" "T" "C" "T" "T"
    [7471] "C" "T" "T" "T" "G" "C" "A" "T" "C" "A" "T" "T" "T" "T" "T" "A" "T" "T" "A"
    [7489] "T" "G" "T" "A" "T" "G" "G" "A" "A" "A" "A" "G" "T" "T" "A" "T" "G" "T"
##
    [7507] "G" "C" "A" "T" "G" "T" "G" "T" "A" "G" "A" "C" "G" "G" "T" "T" "G"
    [7525] "T" " "A" "A" "T" "T" "C" "A" "T" "C" "A" "A" "C" "T" "T" "G" "T" "A"
##
    [7543] "T" "G" "A" "T" "G" "T" "G" "T" "T" "A" "C" "A" "A" "A" "C" "G" "T" "A"
    [7561] "A" "T" "A" "G" "A" "G" "C" "A" "A" "C" "A" "A" "G" "A" "G" "T" "C" "G"
##
##
    [7579] "A" "A" "T" "G" "T" "A" "C" "A" "A" "C" "T" "A" "T" "T" "G" "T" "T" "A"
    [7597] " "A" "T" "G" "G" "T" "G" "T" "T" "A" "G" "A" "A" "G" "G" "T" "C" "C"
##
    [7615] "T" "T" "T" "T" "A" "T" "G" "T" "C" "T" "A" "T" "G" "C" "T" "A" "A" "T"
##
    [7633] "G" "G" "A" "G" "G" "T" "A" "A" "A" "G" "G" "C" "T" "T" "T" "T" "T" "G" "C"
##
    [7651] "A" "A" "A" "C" "T" "A" "C" "A" "C" "A" "A" "T" "T" "G" "G" "A" "A" " "
##
    [7669] "T" "T" "G" "T" "G" "T" "T" "A" "A" "T" "T" "G" "T" "G" "A" "T" "A" "C"
    [7687] "A" "T" "T" "C" "T" "G" "T" "G" "C" "T" "G" "G" "T" "A" "G" "T" "A" "C"
##
    [7705] "A" "T" "T" "T" "A" "T" "T" "A" "G" "T" "G" "A" "T" "G" "A" "A" "A" "G" "T"
##
    [7723] "T" "G" "C" "G" "A" "G" "A" "G" "A" "C" "T" "T" "G" "T" "C" "A" " " "C"
##
    [7741] "T" "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "A" "G" "A" "C" "C" "A" "A"
    [7759] "T" "A" "A" "A" "T" "C" "C" "T" "A" "C" "T" "G" "A" "C" "C" "A" "G" "T"
##
    [7777] "C" "T" "T" "C" "T" "T" "A" "C" "A" "T" "C" "G" "T" "T" "G" "A" "T" "A"
    [7795] "G" "T" "G" "T" "T" "A" "C" "A" "G" "T" "G" "A" "A" "G" "A" " "A" "G" "A" " "A" "T"
##
    [7813] "G" "G" "T" "T" "C" "C" "A" "T" "C" "C" "A" "T" "C" "T" "T" "T" "T" "A" "C"
    [7831] "T" "T" "T" "G" "A" "T" "A" "A" "G" "C" "T" "G" "G" "T" "C" "A" "A"
##
##
    [7849]
          "A" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "G" "A" "C" "A" "T"
    [7867] "T" "C" "T" "C" "T" "C" "T" "C" "T" "C" "A" "T" "T" "T" "T" "T" "T" "G" "T"
##
    [7885] "T" "A" "A" "C" "T" "T" "A" "G" "A" "C" "A" "A" "C" "C" "T" "G" "A" "G"
##
    [7903] "A" "G" "C" "T" "A" "A" "T" "A" "A" "C" "A" "C" "T" "A" "A" "A" "G" "G"
##
    [7921] "T" "T" "C" "A" "T" "T" "G" "C" "C" "T" "A" "T" "T" "A" "A" "T" "G" "T"
##
    [7939] "T" "A" "T" "A" "G" "T" "T" "T" "T" "T" "G" "A" "T" " " "G" "G" "T" "A"
##
##
    [7957] "A" "A" "T" "C" "A" "A" "A" "A" "T" "G" "T" "G" "A" "A" "G" "A" "A" "G" "A" "A" "T"
    [7975] "C" "A" "T" "C" "T" "G" "C" "A" "A" "A" "A" "T" "C" "A" "G" "C" "G" "T"
##
    [7993] "C" "T" "G" "T" "T" "T" "A" "C" "T" "A" "C" "A" "G" "T" "C" "A" "G" "T" "C" "A" "G" "C"
##
    [8011] "T" "T" "A" "T" "G" "T" "G" "T" "C" "A" "A" "C" " " "C" "T" "A" "T" "A"
    [8029] "C" "T" "G" "T" "T" "A" "C" "T" "A" "G" "A" "T" "C" "A" "G" "G" "C" "A"
##
    [8047] "T" "T" "A" "G" "T" "G" "T" "C" "T" "G" "A" "T" "G" "T" "T" "G" "T"
##
    [8065] "G" "A" "T" "A" "G" "T" "G" "C" "G" "G" "A" "A" "G" "T" "T" "G" "C" "A"
    [8083] "G" "T" "T" "A" "A" "A" "A" "T" "G" "T" "T" " "T" "G" "A" "T" "G" "C"
    [8101] "T" "T" "A" "C" "G" "T" "T" "A" "A" "T" "A" "C" "G" "T" "T" "T" "T" "C"
##
    [8119] "A" "T" "C" "A" "A" "C" "T" "T" "T" "T" "A" "A" "C" "G" "T" "A" "C" "C"
##
    [8137] "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A" "C"
##
    [8155] "A" "C" "T" "A" "G" "T" "T" "G" "C" "A" " " "A" "C" "T" "G" "C" "A" "G"
    [8173] "A" "A" "G" "C" "T" "G" "A" "A" "C" "T" "T" "G" "C" "A" "A" "A" "A" "G" "A"
##
    [8191] "A" "T" "G" "T" "G" "T" "C" "C" "T" "T" "A" "G" "A" "C" "A" "A" "T" "G"
##
    [8209] "T" "C" "T" "T" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "T" "A" "T" "T" "T"
##
    [8227] "C" "A" "G" "C" "A" "G" "C" "T" "C" " " "G" "G" "C" "A" "A" "G" "G" "G"
##
    [8245] "T" "T" "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "G" "A" "T" "G" "T" "A"
##
```

```
[8263] "G" "A" "A" "A" "C" "T" "A" "A" "A" "G" "A" "T" "G" "T" "T" "G" "T" "T"
   [8281] "G" "A" "A" "T" "G" "T" "C" "T" "T" "A" "A" "A" "T" "T" "G" "T" "C" "A"
##
   [8299] "C" "A" "T" "C" "A" "A" "T" "C" " " "T" "G" "A" "C" "A" "T" "A" "G" "A"
##
   [8317] "A" "G" "T" "T" "A" "C" "T" "G" "G" "C" "G" "A" "T" "A" "G" "T" "T" "G"
##
   [8335] "T" "A" "A" "T" "A" "A" "C" "T" "A" "T" "A" "T" "G" "C" "T" "C" "A" "C"
##
   [8353] "C" "T" "A" "T" "A" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A"
   [8371] "C" "A" "T" "G" "A" "C" "A" " " "C" "C" "C" "C" "G" "T" "G" "A" "C" "C"
   [8389] "T" "T" "G" "G" "T" "G" "C" "T" "T" "G" "T" "A" "T" "T" "G" "A" "C" "T"
##
   [8407] "G" "T" "A" "G" "T" "G" "C" "G" "C" "G" "T" "C" "A" "T" "A" "T" "A" "T" "A"
##
   [8425] "A" "T" "G" "C" "G" "C" "A" "G" "G" "T" "A" "G" "C" "A" "A" "A" "A" "A"
##
   [8443] "G" "T" "C" "A" "C" "A" " " "A" "C" "A" "T" "T" "A" "C" "T" "T" "T" "T" "G"
   [8461] "A" "T" "A" "T" "G" "G" "A" "A" "C" "G" "T" "T" "A" "A" "A" "A" "G" "A" "T"
##
   [8479] "T" "T" "C" "A" "T" "G" "T" "C" "A" "T" "T" "G" "T" "C" "T" "G" "A" "A"
   ##
##
   [8515] "C" "G" "T" "A" "G" " " "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "A" "A"
   [8533] "G" "A" "A" "T" "A" "A" "C" "T" "T" "A" "C" "C" "T" "T" "T" "T" "T" "A" "A"
##
##
   [8551]
         "G" "T" "T" "G" "A" "C" "A" "T" "G" "T" "G" "C" "A" "A" "C" "T" "A" "C"
   [8569] "T" "A" "G" "A" "C" "A" "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "T" "G" "T"
##
   ##
   [8605] "C" "A" "C" "T" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "A" "A" "A" "A" "A"
##
   [8623] "T" "T" "G" "T" "T" "A" "A" "T" "A" "A" "T" "T" "G" "G" "T" "T" "G" "A"
##
   ##
   [8677] "G" "T" "T" "G" "C" "T" "G" "C" "T" "A" "T" "T" "T" "T" "T" "C" "T" "A" "T"
##
   [8695] "T" "T" "A" "A" "T" "A" "A" "C" "A" "C" "C" "T" "G" "T" "T" "C" "A" "T"
##
   [8713] "G" "T" "C" "A" "T" "G" "T" "C" "T" "A" "A" "A" "C" "A" "T" "A" "C" "T"
   [8731] "G" "A" " " "C" "T" "T" "T" "T" "C" "A" "A" "G" "T" "G" "A" "A" "A" "T"
##
   [8749] "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "A" "A" "G" "G" "C" "T" "A" "T"
   [8767] "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "T" "C" "A" "C" "T" "C" "G"
##
   [8785] "T" "G" "A" "C" "A" "T" "A" "G" "C" "A" "T" "C" "T" "A" "C" "A" "G" "A"
   [8803] "T" " " "A" "C" "T" "T" "G" "T" "T" "T" "T" "G" "C" "T" "A" "A" "C" "A"
##
   [8821] "A" "A" "C" "A" "T" "G" "C" "T" "G" "A" "T" "T" "T" "T" "G" "A" "C" "A"
##
   [8839] "C" "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "C" "A" "G" "C" "G" "T" "G"
##
   [8857] "G" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "C" "T" "A" "A" "T" "A" "G"
##
   [8875] " " "A" "C" "A" "A" "A" "G" "C" "T" "T" "G" "C" "C" "C" "A" "T" "T" "G"
##
   [8893] "A" "T" "T" "G" "C" "T" "G" "C" "A" "G" "T" "C" "A" "T" "A" "A" "A" "C" "A"
##
   ##
##
   [8947] "C" "A" "C" "G" "A" "T" "A" "T" "A" "C" "G" "C" "A" "C" "A" "A" "C"
##
   [8965] "T" "A" "A" "T" "G" "G" "T" "G" "A" "C" "T" "T" "T" "T" "T" "T" "G" "C" "A"
##
   [8983] "T" "T" "C" "T" "T" "T" "A" "C" "C" "T" "A" "G" "A" "G" "T" "T" "T" "T"
   ##
   [9019] "T" "C" "T" "G" "T" "T" "A" "C" "A" "C" "A" "C" "C" "A" "T" "C" "A" "A"
##
   [9037] "A" "A" "C" "T" "T" "A" "T" "A" "G" "A" "G" "T" "A" "C" "A" "C" "T" "G"
   [9055] "A" "C" "T" "T" "T" "G" "C" "A" "A" "C" "A" "T" "C" "A" "G" "C" "T" "T"
   [9073] "G" "T" "G" "T" "T" "T" "T" "G" "G" "C" "T" "G" "C" "T" "G" " " "A" "A"
##
   ##
   [9109] "G" "C" "T" "T" "C" "T" "G" "G" "T" "A" "A" "G" "C" "C" "A" "G" "T" "A"
##
   [9127] "C" "C" "A" "T" "A" "T" "T" "G" "T" "T" "A" "T" "G" "A" "T" "A" "C" "C"
   [9145] "A" "A" "T" "G" "T" "A" "C" "T" "A" "G" "A" "A" "G" "G" " " "T" "T" "C"
##
   [9163] "T" "G" "T" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "G" "T" "T" "T"
##
   [9181] "A" "C" "G" "C" "C" "C" "T" "G" "A" "C" "A" "C" "A" "C" "G" "T" "T" "A"
##
   [9199] "T" "G" "T" "G" "C" "T" "C" "A" "T" "G" "G" "A" "T" "G" "G" "A" "T" "G" "G" "G" "G" "C" "T" "C"
##
   [9217] "T" "A" "T" "T" "A" "T" "T" "C" "A" "A" "T" "T" "T" "T" " "C" "C" "T" "A"
##
```

```
[9235] "A" "C" "A" "C" "C" "T" "A" "C" "C" "T" "T" "G" "A" "A" "G" "G" "T" "T"
    [9253] "C" "T" "G" "T" "T" "A" "G" "A" "G" "T" "G" "G" "T" "A" "A" "A" "C" "A" "A"
##
    [9271] "C" "T" "T" "T" "T" "G" "A" "T" "T" "C" "T" "G" "A" "G" "T" "A" "C" "T"
    [9289] "G" "T" "A" "G" "G" "C" "A" "C" "G" "G" "C" "A" " " "C" "T" "T" "G" "T"
##
    [9307] "G" "A" "A" "A" "G" "A" "T" "C" "A" "G" "A" "A" "G" "C" "T" "G" "G" "T"
    [9325] "G" "T" "T" "T" "G" "T" "G" "T" "A" "T" "C" "T" "A" "C" "T" "A" "G" "T"
##
    [9343] "G" "G" "T" "A" "G" "A" "T" "G" "G" "G" "T" "A" "C" "T" "T" "A" "A" "C"
    [9361] "A" "A" "T" "G" "A" "T" "T" "A" "T" "A" " " "C" "A" "G" "A" "T" "C"
##
    [9379] "T" "T" "T" "A" "C" "C" "A" "G" "G" "A" "G" "T" "T" "T" "T" "T" "C" "T" "G"
    [9397] "T" "G" "G" "T" "G" "T" "A" "G" "A" "T" "G" "C" "T" "G" "T" "A" "A" "A"
##
    [9415] "T" "T" "T" "A" "C" "T" "T" "A" "C" "T" "A" "A" "A" "T" "A" "T" "G" "T" "T"
    [9433] "T" "A" "C" "A" "C" "C" "A" "C" "T" "A" " "A" "T" "T" "C" "A" "A" "C"
    [9451] "C" "T" "A" "T" "T" "G" "G" "T" "G" "C" "T" "T" "T" "G" "G" "A" "C" "A"
    [9469] "T" "A" "T" "C" "A" "G" "C" "A" "T" "C" "T" "A" "T" "A" "G" "T" "A" "G"
##
    [9487] "C" "T" "G" "G" "T" "G" "G" "T" "A" "T" "T" "G" "T" "A" "G" "C" "T" "A"
    [9505] "T" "C" "G" "T" "A" "G" "T" "A" "A" " " "C" "A" "T" "G" "C" "C" "T" "T"
##
##
    ſ95231
          "G" "C" "C" "T" "A" "C" "T" "A" "T" "T" "T" "A" "T" "G" "A" "G" "G"
    [9541] "T" "T" "A" "G" "A" "A" "G" "A" "G" "C" "T" "T" "T" "T" "T" "G" "G" "T"
    [9559] "G" "A" "A" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "T"
    [9577] "G" "C" "C" "T" "T" "T" "A" "A" " " "T" "A" "C" "T" "T" "T" "A" "C" "T"
##
    [9595] "A" "T" "T" "C" "C" "T" "T" "A" "T" "G" "T" "C" "A" "T" "T" "C" "A" "C"
##
    [9613] "T" "G" "T" "A" "C" "T" "C" "T" "G" "T" "T" "T" "A" "A" "C" "A" "C" "C"
    [9631] "A" "G" "T" "T" "T" "A" "C" "T" "C" "A" "T" "T" "C" "T" "T" "A" "C" "C"
##
    [9649] "T" "G" "G" "T" "G" "T" "T" " "T" "A" "T" "T" "C" "T" "G" "T" "T" "A"
    [9667] "T" "T" "A" "C" "A" "T"
##
    [9685] "T" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "A" "A" "A" "T" "G" "A" "T" "G"
    [9703] "T" "T" "T" "C" "T" "T" "T" "T" "T" "A" "G" "C" "A" "C" "A" "T" "A"
    [9721] "T" "T" "C" "A" "G" "T" " "G" "G" "A" "T" "G" "G" "T" "T" "A" "T" "G"
    [9739] "T" "T" "C" "A" "C" "A" "C" "C" "T" "T" "A" "G" "T" "A" "C" "C" "T"
##
    [9757] "T" "T" "C" "T" "G" "G" "A" "T" "A" "A" "C" "A" "A" "T" "T" "G" "C" "T"
    [9775] "T" "A" "T" "A" "T" "C" "A" "T" "T" "T" "G" "T" "A" "T" "A" "T" "T" "C" "C"
##
    [9793] "A" "C" "A" "A" "A" "A" " "G" "C" "A" "T" "T" "T" "C" "T" "A" "T" "T" "G"
##
    [9811] "G" "T" "T" "C" "T" "T" "T" "A" "G" "T" "A" "A" "T" "T" "A" "C" "C" "T"
    [9829] "A" "A" "G" "A" "G" "A" "C" "G" "T" "G" "T" "A" "G" "T" "C" "T" "T"
    [9847] "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "T" "C" "C" "T" "T" "T" "A" "G"
    [9865] "T" "A" "C" "T" " "T" "T" "T" "G" "A" "A" "G" "A" "A" "G" "C" "T" "G"
##
    [9883] "C" "G" "C" "T" "G" "T" "G" "C" "A" "C" "C" "T" "T" "T" "T" "T" "T" "G" "T"
##
##
    [9901] "T" "A" "A" "A" "T" "A" "A" "A" "G" "A" "A" "A" "T" "G" "T" "A" "T" "C"
    [9919] "T" "A" "A" "A" "G" "T" "T" "G" "C" "G" "T" "A" "G" "T" "G" "A" "T" "G"
##
    [9937] "T" "G" "C" " " "T" "A" "T" "A" "C" "C" "T" "C" "T" "T" "A" "C" "G"
##
    [9955] "C" "A" "A" "T" "A" "T" "A" "T" "A" "G" "A" "T" "A" "C" "T" "T" "A"
   [9991] "A" "A" "G" "T" "A" "T" "T" "T" "T" "A" "G" "T" "G" "G" "A" "G" "C" "A"
  [10009] "A" "T" " "G" "G" "A" "T" "A" "C" "A" "A" "C" "T" "A" "G" "C" "T" "A"
  [10027] "C" "A" "G" "A" "G" "A" "A" "G" "C" "T" "G" "C" "T" "T" "G" "T" "T" "G"
  [10045] "T" "C" "A" "T" "C" "T" "C" "G" "C" "A" "A" "A" "G" "G" "C" "T" "C" "T"
   [10063] "C" "A" "A" "T" "G" "A" "C" "T" "T" "C" "A" "G" "T" "A" "A" "C" "T" "C"
  [10081] "A" " "G" "G" "T" "T" "C" "T" "G" "A" "T" "G" "T" "T" "C" "T" "T" "T"
  [10117] "C" "T" "A" "T" "C" "A" "C" "C" "T" "C" "A" "G" "C" "T" "G" "T" "T" "T"
  [10135] "T" "G" "C" "A" "G" "A" "G" "T" "G" "G" "T" "T" "T" "T" "A" "G" "A" "A"
## [10153] " " "A" "A" "A" "T" "G" "G" "C" "A" "T" "T" "C" "C" "C" "A" "T" "C" "T"
## [10171] "G" "G" "T" "A" "A" "A" "G" "T" "T" "G" "A" "G" "G" "G" "T" "T" "G" "T"
## [10189] "A" "T" "G" "G" "T" "A" "C" "A" "A" "G" "T" "A" "A" "C" "T" "T" "G" "T"
```

```
## [10207] "G" "G" "T" "A" "C" "A" "A" "C" "T" "A" "C" "A" "C" "T" "T" "A" "C" "A" "C" "T" "T" "A" "A" " "
  [10225] "C" "G" "G" "T" "C" "T" "T" "T" "G" "G" "C" "T" "T" "G" "A" "T" "G" "A"
  [10243] "C" "G" "T" "A" "G" "T" "T" "T" "A" "C" "T" "G" "T" "C" "C" "A" "A" "G"
## [10261] "A" "C" "A" "T" "G" "T" "G" "A" "T" "C" "T" "G" "C" "A" "C" "C" "T" "C"
## [10279] "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "C" "T" "T" "A" "A" "C" " " "C"
## [10297] "C" "T" "A" "A" "T" "T" "A" "T" "G" "A" "A" "G" "A" "T" "T" "T" "A" "C"
## [10315] "T" "C" "A" "T" "T" "C" "G" "T" "A" "A" "G" "T" "C" "T" "A" "A" "T" "C"
## [10333] "A" "T" "A" "A" "T" "T" "T" "C" "T" "T" "G" "G" "T" "A" "C" "A" "G" "G"
  [10351] "C" "T" "G" "G" "T" "A" "A" "T" "G" "T" "T" "C" "A" "A" "C" " " "T" "C"
  [10369] "A" "G" "G" "G" "T" "T" "A" "T" "T" "G" "G" "A" "C" "A" "T" "T" "C" "T"
  [10387] "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "G" "T" "G" "T" "A" "C" "T" "T"
## [10405] "A" "A" "G" "C" "T" "T" "A" "A" "G" "G" "T" "T" "G" "A" "T" "A" "C" "A"
  [10423] "G" "C" "C" "A" "A" "T" "C" "C" "T" "A" "A" "G" "A" "C" " " "A" "C" "C"
## [10441] "T" "A" "A" "G" "T" "A" "T" "A" "G" "T" "T" "T" "G" "T" "T" "C" "G"
## [10459] "C" "A" "T" "T" "C" "A" "A" "C" "C" "A" "G" "G" "A" "C" "A" "G" "A" "C"
## [10477] "T" "T" "T" "T" "T" "C" "A" "G" "T" "G" "T" "T" "A" "G" "C" "T" "T" "G"
  [10495] "T" "T" "A" "C" "A" "A" "T" "G" "G" "T" "T" "C" "A" " " "C" "C" "A" "T"
  [10513] "C" "T" "G" "G" "T" "G" "T" "T" "T" "A" "C" "C" "A" "A" "T" "G" "T" "G"
  [10531] "C" "T" "A" "T" "G" "A" "G" "G" "C" "A" "C" "A" "A" "T" "T" "T" "C" "A"
## [10549] "C" "T" "A" "T" "T" "A" "A" "G" "G" "G" "T" "T" "C" "A" "T" "T" "C" "C"
## [10567] "T" "T" "A" "A" "T" "G" "G" "T" "T" "C" "A" "T" " " "G" "T" "G" "G" "T"
## [10603] "G" "A" "T" "T" "A" "T" "G" "A" "C" "T" "G" "T" "G" "T" "C" "T" "C" "T"
## [10621] "T" "T" "T" "T" "G" "T" "T" "A" "C" "A" "T" "G" "C" "A" "C" "C" "A" "T"
  [10639] "A" "T" "G" "G" "A" "A" "T" "T" "A" "C" "C" " " " "A" "A" "C" "T" "G" "G"
  [10657] "A" "G" "T" "T" "C" "A" "T" "G" "C" "T" "G" "G" "C" "A" "C" "A" "G" "A"
## [10675] "C" "T" "T" "A" "G" "A" "A" "G" "G" "T" "A" "A" "C" "T" "T" "T" "T" "A"
  [10693] "T" "G" "G" "A" "C" "C" "T" "T" "T" "T" "G" "T" "T" "G" "A" "C" "A" "G"
## [10711] "G" "C" "A" "A" "A" "C" "A" "G" "C" "A" " "C" "A" "A" "G" "C" "A" "G"
## [10729] "C" "T" "G" "G" "T" "A" "C" "G" "G" "A" "C" "A" "C" "A" "A" "C" "T" "A"
## [10747] "T" "T" "A" "C" "A" "G" "T" "T" "A" "A" "T" "G" "T" "T" "T" "T" "A" "G"
  [10765] "C" "T" "T" "G" "G" "T" "T" "G" "T" "A" "C" "G" "C" "T" "G"
  [10783] "T" "T" "A" "T" "A" "A" "A" "T" "G" " " "G" "A" "G" "A" "C" "A" "G" "G"
## [10801] "T" "G" "G" "T" "T" "T" "C" "T" "C" "A" "A" "T" "C" "G" "A" "T" "T" "T"
## [10819] "A" "C" "C" "A" "C" "A" "A" "C" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C"
## [10837] "T" "T" "A" "A" "A" "C" "C" "T" "T" "G" "T" "G" "G" "C" "T" "A" "T" "G"
## [10855] "A" "A" "G" "T" "A" "C" "A" "A" " "" "T" "T" "A" "T" "G" "A" "A" "C" "C"
## [10873] "T" "C" "T" "A" "A" "C" "A" "C" "A" "G" "A" "C" "C" "A" "T" "G" "T"
## [10891] "T" "G" "A" "C" "A" "T" "A" "C" "T" "A" "G" "G" "A" "C" "C" "T" "C" "T"
  [10909] "T" "T" "C" "T" "G" "C" "T" "C" "A" "A" "A" "C" "T" "G" "G" "A" "A" "A" "T"
##
## [10927] "T" "G" "C" "C" "G" "T" "T" " " "T" "A" "G" "A" "T" "A" "T" "A" "T" "G" "T"
## [10945] "G" "T" "G" "C" "T" "T" "C" "A" "T" "T" "A" "A" "A" "A" "A" "G" "A" "A" "T"
## [10963] "T" "A" "C" "T" "G" "C" "A" "A" "A" "A" "T" "G" "G" "T" "A" "T" "G" "A"
## [10981] "A" "T" "G" "G" "A" "C" "G" "T" "A" "C" "C" "A" "T" "A" "T" "T" "G" "G"
## [10999] "G" "T" "A" "G" "T" "G" " " "C" "T" "T" "A" "T" "T" "A" "G" "A" "A"
## [11017] "G" "A" "T" "G" "A" "A" "T" "T" "T" "A" "C" "A" "C" "C" "T" "T" "T" "T"
   [11035] "G" "A" "T" "G" "T" "T" "G" "T" "T" "A" "G" "A" "C" "A" "A" "T" "G" "C"
  [11053] "T" "C" "A" "G" "G" "T" "G" "T" "T" "A" "C" "T" "T" "T" "C" "C" "A" "A"
  [11071] "A" "G" "T" "G" "C" " " "A" "G" "T" "G" "A" "A" "A" "A" "A" "G" "A" "A" "C"
## [11089] "A" "A" "T" "C" "A" "A" "G" "G" "G" "T" "A" "C" "A" "C" "A" "C" "C" "A"
  [11107] "C" "T" "G" "G" "T" "T" "G" "T" "T" "A" "C" "T" "C" "A" "C" "A" "A" "T"
## [11125] "T" "T" "T" "G" "A" "C" "T" "T" "C" "A" "C" "T" "T" "T" "T" "T" "A" "G" "T"
## [11143] "T" "T" "T" "A" " " "G" "T" "C" "C" "A" "G" "A" "G" "T" "A" "C" "T" "C"
## [11161] "A" "A" "T" "G" "G" "T" "C" "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "T"
```

```
## [11179] "T" "T" "T" "T" "G" "T" "A" "T" "G" "A" "A" "A" "A" "T" "G" "C" "C" "T"
  [11197] "T" "T" "T" "T" "A" "C" "C" "T" "T" "T" "T" "G" "C" "T" "A" "T" "G" "G"
  [11215] "G" "T" "A" " " "T" "T" "A" "T" "T" "G" "C" "T" "A" "T" "G" "T" "C" "T"
## [11233] "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "T" "G" "A" "T" "G" "T" "T" "T"
## [11251] "G" "T" "C" "A" "A" "A" "C" "A" "T" "A" "A" "G" "C" "A" "T" "G" "C" "A"
## [11287] "T" "T" " " "A" "C" "C" "T" "T" "C" "T" "T" "G" "C" "C" "A" "C"
[11323] "G" "G" "T" "C" "T" "A" "T" "A" "T" "G" "C" "C" "T" "G" "C" "T" "A" "G"
  [11341] "T" "T" "G" "G" "G" "T" "G" "A" "T" "G" "C" "G" "T" "A" "T" "T" "A" "T"
  [11359] "G" " "A" "C" "A" "T" "G" "G" "T" "T" "G" "G" "A" "T" "A" "T" "G" "G"
## [11377] "T" "T" "G" "A" "T" "A" "C" "T" "A" "G" "T" "T" "T" "T" "A" "A" "G" "C"
  [11395] "T" "A" "A" "A" "A" "G" "A" "C" "T" "G" "T" "G" "T" "G" "T" "A" "T" "G" "T"
## [11413] "A" "T" "G" "C" "A" "T" "C" "A" "G" "C" "T" "G" "T" "A" "G" "T" "G" "T"
## [11431] " " "T" "A" "C" "T" "A" "A" "T" "C" "C" "T" "T" "A" "T" "G" "A" "C" "A"
## [11449] "G" "C" "A" "A" "G" "A" "A" "C" "T" "G" "T" "G" "T" "A" "T" "G" "A" "T"
  [11467] "G" "A" "T" "G" "G" "T" "G" "C" "T" "A" "G" "G" "A" "G" "A" "G" "T" "G"
  [11485] "T" "G" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "A" "A" "T" "G" "T" "
  [11503] "C" "T" "T" "G" "A" "C" "A" "C" "T" "C" "G" "T" "T" "T" "A" "A" "A"
## [11521] "A" "G" "T" "T" "T" "A" "T" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C"
## [11539] "T" "T" "T" "A" "G" "A" "T" "C" "A" "A" "G" "C" "A" "T" "T" "T" "C"
## [11557] "C" "A" "T" "G" "T" "G" "G" "G" "C" "T" "C" "T" "T" "A" "T" "A" " " "A"
## [11575] "T" "C" "T" "C" "T" "G" "T" "T" "A" "C" "T" "T" "C" "T" "A" "A" "C" "T"
## [11593] "A" "C" "T" "C" "A" "G" "G" "T" "G" "T" "A" "G" "T" "T" "A" "C" "A" "A"
## [11647] "T" "G" "T" "G" "T" "T" "G" "A" "G" "T" "A" "T" "T" "G" "C" "C" "C" "T"
  [11665] "A" "T" "T" "T" "T" "C" "T" "T" "C" "A" "T" "A" "A" "C" "T" "G" "G" "T"
## [11683] "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "A" "G" "T" "G" "T" "A" "T" "A"
## [11701] "A" "T" "G" "C" "T" "A" "G" "T" "T" "T" "A" "T" "T" "G" " " "T" "T" "T"
## [11719] "C" "T" "T" "A" "G" "G" "C" "T" "A" "T" "T" "T" "T" "T" "T" "G" "T" "A" "C"
  [11737] "T" "T" "G" "T" "T" "A" "C" "T" "T" "G" "G" "G" "C" "T" "T" "T"
  [11755] "T" "T" "G" "T" "T" "T" "A" "C" "T" "C" "A" "A" "C" "C" "C" "G" "C" "T" "A"
## [11773] "C" "T" "T" "A" "G" "A" "C" "T" "G" "A" "C" "T" " " "C" "T" "T" "G"
## [11791] "G" "T" "G" "T" "T" "A" "T" "G" "A" "T" "T" "A" "C" "T" "T" "A" "G"
## [11809] "T" "T" "T" "C" "T" "A" "C" "A" "G" "G" "A" "G" "T" "T" "T" "A"
## [11827] "G" "A" "T" "A" "T" "A" "T" "G" "A" "A" "T" "T" "C" "A" "C" "A" "G" "G"
## [11863] "A" "A" "T" "A" "G" "C" "A" "T" "A" "G" "A" "T" "G" "C" "C" "T" "T" "C"
## [11881] "A" "A" "A" "C" "T" "C" "A" "A" "C" "A" "T" "T" "A" "A" "A" "T" "T" "G"
## [11917] "C" "C" "T" "T" "G" "T" "A" "T" "C" "A" "A" " " " "A" "G" "T" "A" "G" "C"
## [11935] "C" "A" "C" "T" "G" "T" "A" "C" "A" "G" "T" "C" "T" "A" "A" "A" "A" "A" "T"
## [11953] "G" "T" "C" "A" "G" "A" "T" "G" "T" "A" "A" "A" "G" "T" "G" "C" "A" "C"
## [11971] "A" "T" "C" "A" "G" "T" "A" "G" "T" "C" "T" "T" "A" "C" "T" "C" "T" "C"
## [11989] "A" "G" "T" "T" "T" "T" "G" "C" "A" "A" " " "C" "A" "A" "C" "T" "C" "A"
  [12025] "A" "A" "T" "T" "G" "T" "G" "G" "G" "C" "T" "C" "A" "A" "T" "G" "T" "G"
  [12043] "T" "C" "C" "A" "G" "T" "T" "A" "C" "A" "C" "A" "A" "T" "G" "A" "C" "A"
## [12061] "T" "T" "C" "T" "C" "T" "A" "G" " " "C" "T" "A" "A" "A" "A" "G" "A" "T"
## [12079] "A" "C" "T" "A" "C" "T" "G" "A" "A" "G" "C" "T" "T" "T" "T" "G" "A" "A"
## [12097] "A" "A" "A" "A" "T" "G" "G" "T" "T" "T" "C" "A" "C" "T" "A" "C" "T" "T"
## [12115] "T" "C" "T" "G" "T" "T" "T" "G" "C" "T" "T" "T" "C" "C" "A" "T" "G"
## [12133] "C" "A" "G" "G" "G" "T" "G" "C" " " "T" "G" "T" "A" "G" "A" "C" "A" "T"
```

```
## [12151] "A" "A" "A" "C" "A" "A" "G" "C" "T" "T" "T" "G" "T" "G" "A" "A" "G" "A"
  [12169] "A" "A" "T" "G" "C" "T" "G" "G" "A" "C" "A" "A" "C" "A" "G" "G" "G" "G" "G"
## [12187] "A" "A" "C" "C" "T" "T" "A" "C" "A" "A" "G" "C" "T" "A" "T" "A" "G" "C"
## [12205] "C" "T" "C" "A" "G" "A" "G" " " "T" "T" "T" "A" "G" "T" "T" "T" "C" "C"
## [12223] "T" "T" "C" "C" "A" "T" "C" "A" "T" "A" "T" "G" "C" "A" "G" "C" "T" "T"
## [12241] "T" "T" "G" "C" "T" "A" "C" "T" "G" "C" "T" "C" "A" "A" "G" "A" "A" "G"
## [12259] "C" "T" "T" "A" "T" "G" "A" "G" "C" "A" "G" "C" "T" "G" "T" "T" "G"
## [12277] "C" "T" "A" "A" "T" "G" " " "G" "T" "G" "A" "T" "T" "C" "T" "G" "A" "A"
## [12295] "G" "T" "T" "G" "T" "T" "C" "T" "T" "A" "A" "A" "A" "A" "G" "T" "T" "G"
## [12313] "A" "A" "G" "A" "A" "G" "T" "C" "T" "T" "T" "G" "A" "A" "T" "G" "T" "G"
## [12331] "G" "C" "T" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T" "T" "G" "A" "C"
## [12349] "C" "G" "T" "G" "A" " "T" "G" "C" "A" "G" "C" "C" "A" "T" "G" "C" "A"
## [12367] "A" "C" "G" "T" "A" "A" "G" "T" "T" "G" "G" "A" "A" "A" "A" "A" "G" "A" "T"
## [12385] "G" "G" "C" "T" "G" "A" "T" "C" "A" "A" "G" "C" "T" "A" "T" "G" "A" "C"
## [12403] "C" "C" "A" "A" "A" "T" "G" "T" "A" "T" "A" "A" "A" "A" "C" "A" "G" "G" "C"
## [12421] "T" "A" "G" "A" " "T" "C" "T" "G" "A" "G" "G" "A" "C" "A" "A" "G" "A"
  [12439] "G" "G" "G" "C" "A" "A" "A" "A" "G" "T" "T" "A" "C" "T" "A" "G" "T" "G"
## [12457] "C" "T" "A" "T" "G" "C" "A" "G" "A" "C" "A" "A" "T" "G" "C" "T" "T" "T"
## [12475] "T" "C" "A" "C" "T" "A" "T" "G" "C" "T" "T" "A" "G" "A" "A" "A" "A" "G" "T"
## [12493] "T" "G" "G" " " "A" "T" "A" "A" "T" "G" "A" "T" "G" "C" "A" "C" "T" "C"
## [12511] "A" "A" "C" "A" "A" "C" "A" "T" "T" "A" "T" "C" "A" "A" "C" "A" "A" "T"
## [12547] "C" "C" "C" "T" "T" "G" "A" "A" "C" "A" "T" "A" "A" "T" "A" "C" "C" "T"
## [12565] "C" "T" " "T" "A" "C" "A" "A" "C" "A" "G" "C" "A" "G" "C" "C" "A" "A" "A"
## [12583] "A" "C" "T" "A" "A" "T" "G" "T" "T" "G" "T" "C" "A" "T" "A" "C" "C"
## [12601] "A" "G" "A" "C" "T" "A" "T" "A" "A" "C" "A" "C" "A" "T" "A" "T" "A" "A" "A"
## [12619] "A" "A" "A" "T" "A" "C" "G" "T" "G" "T" "G" "A" "T" "G" "G" "T" "A" "C"
## [12637] "A" " "A" "C" "A" "T" "T" "A" "C" "T" "T" "A" "T" "G" "C" "A" "T"
## [12655] "C" "A" "G" "C" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "A" "A" "T" "C" "C"
## [12673] "A" "A" "C" "A" "G" "G" "T" "T" "G" "T" "A" "G" "A" "T" "G" "C" "A" "G"
## [12691] "A" "T" "A" "G" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "C" "A" "A" "C"
  [12709] " " "T" "T" "A" "G" "T" "G" "A" "A" "A" "T" "T" "A" "G" "T" "A" "T" "G"
## [12727] "G" "A" "C" "A" "A" "T" "T" "C" "A" "C" "C" "T" "A" "A" "T" "T" "T" "A"
## [12745] "G" "C" "A" "T" "G" "G" "C" "C" "T" "C" "T" "A" "T" "A" "T" "T" "G" "T" "A"
## [12763] "A" "C" "A" "G" "C" "T" "T" "T" "A" "A" "G" "G" "G" "C" "C" "A" "A" "
## [12781] "T" "T" "C" "T" "G" "C" "T" "G" "C" "A" "A" "A" "A" "T" "T" "A" "C" "A"
## [12799] "G" "A" "A" "T" "A" "A" "T" "G" "A" "G" "C" "T" "T" "A" "G" "T" "C" "C"
## [12817] "T" "G" "T" "T" "G" "C" "A" "C" "T" "A" "C" "G" "A" "C" "A" "G" "A" "T"
## [12835] "G" "T" "C" "T" "T" "G" "T" "G" "C" "T" "G" "C" "C" "G" "G" "T" " " "A"
## [12853] "C" "T" "A" "C" "A" "C" "A" "A" "A" "C" "T" "G" "C" "T" "T" "G" "C" "A"
## [12871] "C" "T" "G" "A" "T" "G" "A" "C" "A" "A" "T" "G" "C" "G" "T" "T" "A" "G"
## [12907] "A" "G" "G" "G" "A" "G" "G" "T" "A" "G" "G" "T" "T" "T" "T" "G" " " "T" "A"
## [12925] "C" "T" "T" "G" "C" "A" "C" "T" "G" "T" "T" "A" "T" "C" "C" "G" "A" "T"
## [12943] "T" "T" "A" "C" "A" "G" "G" "A" "T" "T" "T" "G" "A" "A" "A" "T" "G" "G"
## [12961] "G" "C" "T" "A" "G" "A" "T" "T" "C" "C" "C" "T" "A" "A" "G" "A" "G" "T"
  [12979] "G" "A" "T" "G" "G" "A" "A" "C" "T" "G" "G" "T" "A" "C" " " "T" "A" "T"
  [12997] "C" "T" "A" "T" "A" "C" "A" "G" "A" "A" "C" "T" "G" "G" "A" "A" "C" "C"
  [13015] "A" "C" "C" "T" "T" "G" "T" "A" "G" "G" "T" "T" "T" "T" "G" "T" "T" "A" "C"
## [13033] "A" "G" "A" "C" "A" "C" "A" "C" "T" "A" "A" "A" "G" "G" "T" "C" "C"
## [13069] "A" "C" "T" "T" "T" "A" "T" "A" "A" "A" "G" "G" "A" "T" "T" "A" "A" "A"
## [13087] "A" "C" "A" "A" "C" "C" "T" "A" "A" "A" "A" "A" "G" "A" "G" "G" "T" "A"
## [13105] "T" "G" "G" "T" "A" "C" "T" "T" "G" "G" "T" "A" "G" "T" "T" "T" "T" "A" "G"
```

```
## [13123] "C" "T" "G" "C" "C" "A" "C" "A" "G" "T" "A" "C" " " "G" "T" "C" "T" "A"
  [13159] "G" "A" "A" "G" "T" "G" "C" "C" "T" "G" "C" "C" "A" "A" "T" "T" "C" "A"
## [13177] "A" "C" "T" "G" "T" "A" "T" "A" "T" "C" "T" "T" "T" "C" "T" "C" "T" "C" "T"
## [13195] "G" "C" "T" "T" "T" "T" "G" "C" "T" "G" "T" " " "A" "G" "A" "T" "G" "C"
## [13213] "T" "G" "C" "T" "A" "A" "A" "G" "C" "T" "T" "A" "C" "A" "A" "A" "G" "A"
## [13231] "T" "T" "A" "T" "C" "T" "A" "G" "C" "T" "A" "G" "T" "G" "G" "G" "G" "G"
## [13249] "A" "C" "A" "A" "C" "C" "A" "A" "T" "C" "A" "C" "T" "A" "A" "T" "T" "G"
  [13267] "T" "G" "T" "T" "A" "A" "G" "A" "T" "G" " " "T" "T" "G" "T" "G" "T" "A"
  [13285] "C" "A" "C" "A" "C" "A" "C" "T" "G" "G" "T" "A" "C" "T" "G" "G" "T" "C"
  [13303] "A" "G" "G" "C" "A" "A" "T" "A" "A" "C" "A" "G" "T" "C" "A" "C" "A" "C"
## [13321] "C" "G" "G" "A" "A" "G" "C" "C" "A" "A" "T" "A" "T" "G" "G" "A" "T" "C"
  [13339] "A" "A" "G" "A" "A" "T" "C" "C" "T" " " "T" "T" "G" "G" "T" "G" "G" "T"
## [13357] "G" "C" "A" "T" "C" "G" "T" "G" "T" "G" "T" "C" "T" "G" "T" "G" "T" "A" "C"
## [13375] "T" "G" "C" "C" "G" "T" "T" "G" "C" "A" "C" "A" "T" "A" "G" "A" "T"
## [13393] "C" "A" "T" "C" "C" "A" "A" "A" "T" "C" "C" "T" "A" "A" "A" "A" "G" "G" "A"
  [13411] "T" "T" "T" "T" "G" "T" "G" "A" " " "C" "T" "T" "A" "A" "A" "A" "G" "G"
## [13429] "T" "A" "A" "G" "T" "A" "T" "G" "T" "A" "C" "A" "A" "A" "A" "T" "A" "C" "C"
## [13447] "T" "A" "C" "A" "A" "C" "T" "T" "G" "T" "G" "C" "T" "A" "A" "T" "G" "A"
## [13483] "T" "A" "A" "A" "A" "A" "C" " " "A" "C" "A" "G" "T" "C" "T" "G" "T" "A"
## [13501] "C" "C" "G" "T" "C" "T" "G" "C" "G" "G" "T" "A" "T" "G" "T" "G" "G" "A"
## [13519] "A" "A" "G" "G" "T" "T" "A" "T" "G" "G" "C" "T" "G" "T" "A" "G" "T" "T"
## [13537] "G" "T" "G" "A" "T" "C" "A" "A" "C" "T" "C" "C" "G" "C" "G" "A" "A" "C"
## [13555] "C" "C" "A" "T" "G" "C" " " "T" "C" "A" "G" "T" "C" "A" "G" "C" "T"
  [13573] "G" "A" "T" "G" "C" "A" "C" "A" "A" "T" "C" "G" "T" "T" "T" "T" "T" "A"
## [13591] "A" "A" "C" "G" "G" "G" "T" "T" "T" "G" "C" "G" "G" "T" "G" "T" "A" "A"
  [13609] "G" "T" "G" "C" "A" "G" "C" "C" "C" "G" "T" "C" "T" "T" "A" "C" "A" "C"
## [13627] "C" "G" "T" "G" "C" " " "G" "G" "C" "A" "C" "A" "G" "G" "C" "A" "C" "T"
## [13645] "A" "G" "T" "A" "C" "T" "G" "A" "T" "G" "T" "C" "G" "T" "A" "T" "A" "C"
## [13663] "A" "G" "G" "G" "C" "T" "T" "T" "T" "G" "A" "C" "A" "T" "C" "T" "A" "C"
  [13681] "A" "A" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "G" "T" "A" "G" "T"
  [13699] "T" "T" "T" "G" " " "C" "T" "A" "A" "A" "T" "T" "C" "C" "T" "A" "A" "A"
## [13717] "A" "A" "C" "T" "A" "A" "T" "T" "G" "T" "T" "G" "T" "C" "G" "C" "T" "T"
## [13735] "C" "C" "A" "A" "G" "A" "A" "A" "G" "G" "G" "A" "C" "G" "A" "A" "G" "A"
## [13753] "T" "G" "A" "C" "A" "A" "T" "T" "T" "A" "A" "T" "T" "G" "A" "T" "T" "C"
## [13771] "T" "T" "A" " "C" "T" "T" "T" "G" "T" "A" "G" "T" "T" "A" "A" "A" "G" "A"
## [13789] "G" "A" "C" "A" "C" "A" "C" "T" "T" "T" "C" "T" "C" "T" "A" "A" "A" "C" "T"
## [13807] "A" "C" "C" "A" "A" "C" "A" "T" "G" "A" "A" "G" "A" "A" "A" "A" "C" "A" "A" "A"
## [13825] "T" "T" "A" "T" "A" "A" "T" "T" "T" "A" "C" "T" "T" "A" "A" "G" "G"
## [13843] "A" "T" " " "T" "G" "T" "C" "C" "A" "G" "C" "T" "G" "T" "T" "G" "C" "T"
## [13861] "A" "A" "A" "C" "A" "T" "G" "A" "C" "T" "T" "C" "T" "T" "T" "A" "A" "G"
## [13879] "T" "T" "A" "G" "A" "A" "T" "A" "G" "A" "C" "G" "G" "T" "G" "A" "C"
## [13897] "A" "T" "G" "G" "T" "A" "C" "C" "A" "C" "A" "T" "A" "T" "A" "T" "C" "A"
## [13915] "C" " "G" "T" "C" "A" "A" "C" "G" "T" "C" "T" "T" "A" "C" "T" "A" "A"
## [13933] "A" "T" "A" "C" "A" "C" "A" "T" "G" "G" "C" "A" "G" "A" "C" "C" "T"
  [13951] "C" "G" "T" "C" "T" "A" "T" "G" "C" "T" "T" "T" "A" "A" "G" "G" "C" "A"
  [13969] "T" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "G" "T" "A" "A" "T" "T" "G"
  ## [14005] "T" "A" "C" "T" "T" "G" "T" "C" "A" "C" "A" "T" "A" "C" "A" "A" "T" "T"
## [14023] "G" "T" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T" "T" "A" "T" "T"
## [14041] "T" "C" "A" "A" "T" "A" "A" "A" "A" "G" "G" "A" "C" "T" "G" "G" "
## [14059] "T" "A" "T" "G" "A" "T" "T" "T" "G" "T" "A" "G" "A" "A" "A" "A" "A" "C"
## [14077] "C" "C" "A" "G" "A" "T" "A" "T" "A" "T" "A" "C" "G" "C" "G" "T" "A"
```

```
## [14095] "T" "A" "C" "G" "C" "C" "A" "A" "C" "T" "T" "A" "G" "G" "T" "G" "A" "A"
  [14113] "C" "G" "T" "G" "T" "A" "C" "G" "C" "C" "A" "A" "G" "C" "T" "T" "T"
## [14131] "G" "T" "T" "A" "A" "A" "A" "A" "G" "T" "A" "C" "A" "C" "A" "T" "T"
## [14167] "T" "G" "C" "T" "G" "G" "T" "A" "T" "T" "G" "T" "T" "G" "G" "T" "G" "T"
## [14203] "A" "A" "G" "A" "T" "C" "T" "C" "A" "A" "T" "G" "G" "T" "A" "A" "C" "T"
## [14221] "G" "G" "T" "A" "T" "G" "A" "T" "T" "C" "G" "G" "G" "T" "G" "A" "T" "T"
## [14257] "G" "T" "A" "G" "T" "G" "G" "A" "G" "T" "T" "C" "C" "T" " " "G" "T" "T"
## [14275] "G" "T" "A" "G" "A" "T" "T" "C" "T" "T" "A" "T" "T" "A" "T" "T" "C" "A"
## [14293] "T" "T" "G" "T" "T" "A" "A" "T" "G" "C" "C" "T" "A" "T" "A" "T" "T" "A"
## [14311] "A" "C" "C" "T" "T" "G" "A" "C" "C" "A" "G" "G" "G" "C" "T" "T" "T" "A"
## [14329] "A" "C" "T" "G" "C" "A" "G" "A" "G" "T" "C" "A" "C" " " "A" "T" "G" "T"
## [14347] "T" "G" "A" "C" "A" "C" "T" "G" "A" "C" "T" "T" "A" "A" "A" "A" "A" "A"
## [14365] "G" "C" "C" "T" "T" "A" "C" "A" "T" "T" "A" "A" "G" "T" "G" "G" "G" "A"
  [14383] "T" "T" "T" "G" "T" "T" "A" "A" "A" "A" "A" "T" "A" "T" "G" "A" "C" "T" "T"
## [14401] "C" "A" "C" "G" "G" "A" "A" "G" "A" "G" "A" "G" " " "G" "T" "T" "A" "A"
## [14419] "A" "A" "C" "T" "C" "T" "T" "T" "G" "A" "C" "C" "G" "T" "T" "A" "T" "T"
## [14437] "T" "T" "A" "A" "A" "T" "A" "T" "G" "G" "G" "A" "T" "C" "A" "G" "A"
## [14473] "T" "T" "A" "A" "C" "T" "G" "T" "T" "G" " " "G" "A" "T" "G" "A" "T" "G" "A" "C"
## [14491] "A" "G" "A" "T" "G" "C" "A" "T" "T" "C" "T" "G" "C" "A" "T" "T" "G" "T"
## [14509] "G" "C" "A" "A" "A" "C" "T" "T" "A" "A" "T" "G" "T" "T" "T" "T" "A"
## [14527] "T" "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "T" "T" "C" "C" "C" "A"
## [14545] "C" "T" "T" "A" "C" "A" "A" "G" "T" "T" " "T" "T" "G" "G" "A" "C" "C"
## [14563] "A" "C" "T" "A" "G" "T" "G" "A" "G" "A" "A" "A" "A" "A" "T" "A" "T" "T"
## [14581] "T" "G" "T" "T" "G" "A" "T" "G" "G" "T" "G" "T" "T" "C" "C" "A" "T" "T"
## [14599] "T" "G" "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "G" "G" "A" "T" "A"
## [14617] "C" "C" "A" "C" "T" "T" "C" "A" "G" " " "A" "G" "A" "G" "C" "T" "A" "G"
## [14635] "G" "T" "G" "T" "T" "G" "T" "A" "C" "A" "T" "A" "A" "T" "C" "A" "G" "G"
  [14653] "A" "T" "G" "T" "A" "A" "A" "C" "T" "T" "A" "C" "A" "T" "A" "G" "C" "T"
## [14671] "C" "T" "A" "G" "A" "C" "T" "T" "A" "G" "T" "T" "T" "T" "A" "A" "G" "G"
## [14689] "A" "A" "T" "T" "A" "C" "T" "T" " " "G" "T" "G" "T" "A" "T" "G" "C" "T"
## [14707] "G" "C" "T" "G" "A" "C" "C" "T" "G" "C" "T" "A" "T" "G" "C" "A" "C"
## [14725] "G" "C" "T" "G" "C" "T" "T" "C" "T" "G" "G" "T" "A" "A" "T" "C" "T" "A"
## [14743] "T" "T" "A" "C" "T" "A" "G" "A" "T" "A" "A" "A" "C" "G" "C" "A" "C" "T"
## [14761] "A" "C" "G" "T" "G" "C" "T" " " "T" "T" "T" "C" "A" "G" "T" "A" "G" "C"
## [14779] "T" "G" "C" "A" "C" "T" "T" "A" "C" "T" "A" "A" "C" "A" "A" "T" "G" "T"
## [14797] "T" "G" "C" "T" "T" "T" "T" "C" "A" "A" "A" "C" "T" "G" "T" "C" "A" "A" "A"
## [14815] "A" "C" "C" "C" "G" "G" "T" "A" "A" "T" "T" "T" "T" "A" "A" "C" "A" "A"
## [14833] "A" "G" "A" "C" "T" "T" " " "C" "T" "A" "T" "G" "A" "C" "T" "T" "T" "G"
## [14851] "C" "T" "G" "T" "G" "T" "C" "T" "A" "A" "G" "G" "G" "T" "T" "T" "T" "C" "T"
## [14887] "T" "T" "G" "A" "A" "T" "T" "A" "A" "A" "A" "C" "A" "C" "T" "T" "C" "T"
## [14905] "T" "C" "T" "T" "T" " "G" "C" "T" "C" "A" "G" "G" "A" "T" "G" "G" "T"
  [14923] "A" "A" "T" "G" "C" "T" "G" "C" "T" "A" "T" "C" "A" "G" "C" "G" "A" "T"
## [14941] "T" "A" "T" "G" "A" "C" "T" "A" "C" "T" "A" "T" "C" "G" "T" "T" "A" "T"
## [14959] "A" "A" "T" "C" "T" "A" "C" "C" "A" "A" "C" "A" "A" "T" "G" "T" "G" "T"
## [14977] "G" "A" "T" "A" " "T" "C" "A" "G" "A" "C" "A" "A" "C" "T" "A" "C" "T"
## [14995] "A" "T" "T" "T" "G" "T" "A" "G" "T" "G" "A" "A" "G" "T" "T" "G" "T"
## [15013] "T" "G" "A" "T" "A" "G" "T" "A" "C" "T" "T" "T" "G" "A" "T" "T" "G"
## [15031] "T" "T" "A" "C" "G" "A" "T" "G" "G" "T" "G" "G" "C" "T" "G" "T" "A" "T"
## [15049] "T" "A" "A" " " "T" "G" "C" "T" "A" "A" "C" "C" "A" "A" "G" "T" "C" "A"
```

```
## [15067] "T" "C" "G" "T" "C" "A" "A" "C" "A" "A" "C" "C" "T" "A" "G" "A" "C" "A"
  [15085] "A" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "T" "T" "T" "T" "C" "C" "A" "T"
  [15103] "T" "T" "A" "A" "T" "A" "A" "A" "T" "G" "G" "G" "G" "G" "T" "A" "A" "G" "G"
## [15121] "C" "T" " " "A" "G" "A" "C" "T" "T" "T" "A" "T" "A" "T" "A" "T" "G" "A" "T"
## [15139] "T" "C" "A" "A" "T" "G" "A" "G" "T" "T" "A" "T" "G" "A" "G" "G" "A" "T"
## [15157] "C" "A" "A" "G" "A" "T" "G" "C" "A" "C" "T" "T" "T" "T" "C" "G" "C" "A"
## [15175] "T" "A" "T" "A" "C" "A" "A" "A" "A" "G" "G" "T" "A" "A" "T" "G" "T" "C"
## [15193] "A" " " "T" "C" "C" "C" "T" "A" "C" "T" "A" "T" "A" "A" "C" "T" "C" "A"
  [15211] "A" "A" "T" "G" "A" "A" "T" "C" "T" "T" "A" "A" "G" "T" "A" "T" "G" "C"
  [15229] "C" "A" "T" "T" "A" "G" "T" "G" "C" "A" "A" "A" "G" "A" "A" "A" "T" "A" "G"
  [15247] "A" "G" "C" "T" "C" "G" "C" "A" "C" "C" "G" "T" "A" "G" "C" "T" "G" "G"
## [15265] " " "T" "G" "T" "C" "T" "C" "T" "A" "T" "C" "T" "G" "T" "A" "G" "T" "A"
  [15283] "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "T" "A" "G" "A" "C" "A" "G" "T"
## [15301] "T" "T" "C" "A" "T" "C" "A" "A" "A" "A" "T" "T" "A" "T" "T" "G" "A"
## [15319] "A" "A" "T" "C" "A" "A" "T" "A" "G" "C" "C" "G" "C" "C" "A" "C" "T" " "
## [15337] "A" "G" "A" "G" "G" "A" "G" "C" "T" "A" "C" "T" "G" "T" "A" "G" "T" "A"
  [15355] "A" "T" "T" "G" "G" "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "A" "T" "T" "C"
  ## [15391] "A" "T" "G" "T" "T" "A" "A" "A" "A" "C" "T" "G" "T" "T" "T" "T" " "A"
## [15409] "T" "A" "G" "T" "G" "A" "T" "G" "T" "A" "G" "A" "A" "A" "A" "A" "C" "C" "C"
## [15427] "T" "C" "A" "C" "C" "T" "T" "A" "T" "G" "G" "G" "T" "T" "G" "G" "G" "A"
## [15445] "T" "T" "A" "T" "C" "C" "T" "A" "A" "A" "T" "G" "T" "G" "A" "T" "A" "G"
## [15463] "A" "G" "C" "C" "A" "T" "G" "C" "C" "T" "A" "A" "C" "A" "T" " " "G" "C"
## [15481] "T" "T" "A" "G" "A" "A" "T" "T" "A" "T" "G" "G" "C" "C" "T" "C" "A" "C"
## [15499] "T" "T" "G" "T" "T" "C" "T" "G" "C" "T" "C" "G" "C" "A" "A" "A" "A" "C"
  [15517] "A" "T" "A" "C" "A" "A" "C" "G" "T" "G" "T" "T" "G" "T" "A" "G" "C" "T"
## [15535] "T" "G" "T" "C" "A" "C" "A" "C" "G" "T" "T" "T" "T" "C" " " "T" "A" "T"
  [15553] "A" "G" "A" "T" "T" "A" "G" "C" "T" "A" "A" "T" "G" "A" "G" "T" "G" "T"
## [15571] "G" "C" "T" "C" "A" "A" "G" "T" "A" "T" "T" "G" "A" "G" "T" "G" "A" "A" "A"
## [15589] "A" "T" "G" "G" "T" "C" "A" "T" "G" "T" "G" "T" "G" "G" "C" "G" "G" "T"
## [15607] "T" "C" "A" "C" "T" "A" "T" "G" "T" "T" "A" " " "A" "A" "C" "C"
  [15625] "A" "G" "G" "T" "G" "G" "A" "A" "C" "C" "T" "C" "A" "T" "C" "A" "G" "G"
  [15643] "A" "G" "A" "T" "G" "C" "C" "A" "C" "A" "A" "C" "T" "G" "C" "T" "T" "A"
## [15661] "T" "G" "C" "T" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T" "T" "T" "A" "A"
## [15679] "C" "A" "T" "T" "T" "G" "T" "C" "A" "A" "G" "C" " " "T" "G" "T" "C" "A"
## [15697] "C" "G" "G" "C" "C" "A" "A" "T" "G" "T" "T" "A" "A" "T" "G" "C" "A" "C"
## [15715] "T" "T" "T" "T" "A" "T" "C" "T" "A" "C" "T" "G" "A" "T" "G" "G" "T" "A"
## [15733] "A" "C" "A" "A" "A" "A" "T" "T" "G" "C" "C" "G" "A" "T" "A" "A" "A" "G" "T"
## [15751] "A" "T" "G" "T" "C" "C" "G" "C" "A" "A" "T" " " "T" "T" "A" "C" "A" "A"
## [15769] "C" "A" "C" "A" "G" "A" "C" "T" "T" "T" "A" "T" "G" "A" "G" "T" "G" "T"
## [15787] "C" "T" "C" "T" "A" "T" "A" "G" "A" "A" "A" "T" "A" "G" "A" "G" "A" "T"
## [15805] "G" "T" "T" "G" "A" "C" "A" "C" "A" "G" "A" "C" "T" "T" "T" "G" "T" "G"
## [15823] "A" "A" "T" "G" "A" "G" "T" "T" "T" "T" " "A" "C" "G" "C" "A" "T" "A"
## [15841] "T" "T" "T" "G" "C" "G" "T" "A" "A" "A" "C" "A" "T" "T" "T" "C" "T" "C"
## [15859] "A" "A" "T" "G" "A" "T" "G" "A" "T" "A" "C" "T" "C" "T" "C" "T" "G" "A"
[15895] "C" "A" "A" "T" "A" "G" "C" "A" "C" " "T" "T" "A" "T" "G" "C" "A" "T"
  [15913] "C" "T" "C" "A" "A" "G" "G" "T" "C" "T" "A" "G" "T" "G" "T" "A"
  [15931] "G" "C" "A" "T" "A" "A" "A" "G" "A" "A" "C" "T" "T" "T" "A" "A" "G" "T"
## [15949] "C" "A" "G" "T" "T" "C" "T" "T" "A" "T" "A" "T" "A" "T" "C" "A" "A" "A" "A"
## [15967] "A" "C" "A" "A" "T" "G" "T" "T" " " "T" "T" "A" "T" "G" "T" "C" "T"
## [15985] "G" "A" "A" "G" "C" "A" "A" "A" "A" "T" "G" "T" "T" "G" "G" "A" "C" "T"
## [16003] "G" "A" "G" "A" "C" "T" "G" "A" "C" "C" "T" "T" "A" "C" "T" "A" "A" "A"
## [16021] "G" "G" "A" "C" "C" "T" "C" "A" "T" "G" "A" "A" "T" "T" "T" "T" "T" "G" "C"
```

```
## [16039] "T" "C" "T" "C" "A" "A" "C" " " "A" "T" "A" "C" "A" "A" "T" "G" "C" "T"
   [16057] "A" "G" "T" "T" "A" "A" "A" "C" "A" "G" "G" "G" "T" "G" "A" "T" "G" "A"
  [16075] "T" "T" "A" "T" "G" "T" "G" "T" "A" "C" "C" "T" "T" "C" "C" "T" "T" "A"
## [16093] "C" "C" "A" "G" "A" "T" "C" "A" "T" "C" "A" "A" "A" "A" "A" "A" "A" "T"
## [16111] "C" "C" "T" "A" "G" "G" " " "G" "G" "C" "C" "G" "G" "C" "T" "G" "T" "T"
## [16129] "T" "T" "G" "T" "A" "G" "A" "T" "G" "A" "T" "A" "T" "C" "G" "T" "A" "A"
## [16147] "A" "A" "A" "C" "A" "G" "A" "T" "G" "G" "T" "A" "C" "A" "C" "T" "T" "A"
## [16165] "T" "G" "A" "T" "T" "G" "A" "A" "C" "G" "G" "T" "T" "C" "G" "T" "G" "T"
  [16183] "C" "T" "T" "T" "A" " " "G" "C" "T" "A" "T" "A" "G" "A" "T" "G" "C" "T"
  [16201] "T" "A" "C" "C" "C" "A" "C" "T" "A" "C" "T" "A" "A" "A" "A" "A" "C" "A" "T"
  [16219] "C" "C" "T" "A" "A" "T" "C" "A" "G" "G" "A" "G" "T" "A" "T" "G" "C" "T"
## [16237] "G" "A" "T" "G" "T" "C" "T" "T" "C" "A" "T" "T" "T" "T" "G" "T" "A" "C"
  ## [16273] "G" "C" "T" "A" "C" "A" "T" "G" "A" "T" "G" "A" "G" "T" "T" "A" "A" "C"
## [16291] "A" "G" "G" "A" "C" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "C" "A" "T"
## [16309] "G" "T" "A" "T" "T" "C" "T" "G" "T" "T" "A" "T" "G" "C" "T" "T" "A" "C"
  [16327] "T" "A" "A" " " "T" "G" "A" "T" "A" "A" "C" "A" "C" "A" "C" "A" "A"
  [16345] "G" "G" "T" "A" "T" "T" "G" "G" "G" "A" "A" "C" "C" "T" "G" "A" "G" "T"
## [16363] "T" "T" "A" "T" "G" "A" "G" "G" "C" "T" "A" "T" "G" "T" "A" "C" "A"
## [16381] "C" "A" "C" "C" "G" "C" "A" "T" "A" "C" "A" "G" "T" "C" "T" "T" "A" "C"
## [16399] "A" "G" " " "G" "C" "T" "G" "T" "T" "G" "G" "G" "G" "C" "T" "T" "G" "T"
## [16417] "G" "T" "T" "C" "T" "T" "G" "C" "A" "A" "T" "T" "C" "A" "C" "A" "G"
## [16435] "A" "C" "T" "T" "C" "A" "T" "T" "A" "A" "G" "A" "T" "G" "T" "G" "G" "T"
## [16453] "G" "C" "T" "T" "G" "C" "A" "T" "A" "C" "G" "T" "A" "G" "A" "C" "C" "A"
## [16471] "T" " " "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "T" "A" "A" "A" "A" "A" "T" "G"
## [16489] "C" "T" "G" "T" "T" "A" "C" "G" "A" "C" "C" "A" "T" "G" "T" "C" "A" "T"
## [16507] "A" "T" "C" "A" "A" "C" "A" "T" "C" "A" "T" "C" "A" "T" "A" "A" "A" "T" "T"
## [16525] "A" "G" "T" "C" "T" "T" "G" "T" "C" "T" "G" "T" "T" "A" "A" "T" "C" "C"
## [16543] " " "G" "T" "A" "T" "G" "T" "T" "G" "C" "A" "A" "T" "G" "C" "T" "C"
## [16561] "C" "A" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "T" "C" "A" "C" "A" "G"
## [16579] "A" "T" "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T" "T" "A" "C" "T"
  [16597] "T" "A" "G" "G" "A" "G" "G" "T" "A" "T" "G" "A" "G" "C" "T" "A" "T" "
  [16615] "T" "A" "T" "T" "G" "T" "A" "A" "A" "T" "C" "A" "C" "A" "T" "A" "A" "A" "A"
  [16633] "C" "C" "A" "C" "C" "C" "A" "T" "T" "A" "G" "T" "T" "T" "T" "T" "C" "C" "A"
## [16651] "T" "T" "G" "T" "G" "T" "G" "C" "T" "A" "A" "T" "G" "G" "A" "C" "A" "A"
## [16687] "A" "A" "A" "T" "A" "C" "A" "T" "G" "T" "G" "T" "T" "G" "T" "A" "G"
## [16705] "C" "G" "A" "T" "A" "A" "T" "G" "T" "T" "A" "C" "T" "G" "A" "C" "T" "T"
## [16723] "T" "A" "A" "T" "G" "C" "A" "A" "T" "T" "G" "C" "A" "A" "C" "A" "T" "G"
## [16741] "T" "G" "A" "C" "T" "G" "G" "A" "C" "A" "A" "A" "T" "G" "C" " " "T" "G"
## [16759] "G" "T" "G" "A" "T" "T" "A" "C" "A" "T" "T" "T" "T" "A" "G" "C" "T" "A"
## [16777] "A" "C" "A" "C" "C" "T" "G" "T" "A" "C" "T" "G" "A" "A" "A" "G" "A" "C"
## [16795] "T" "C" "A" "A" "G" "C" "T" "T" "T" "T" "G" "C" "A" "G" "C" "A" "G"
## [16813] "A" "A" "A" "C" "G" "C" "T" "C" "A" "A" "A" "G" "C" "T" " "A" "C" "T"
## [16831] "G" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "T" "A" "A" "A" "C" "T" "G"
## [16849] "T" "C" "T" "T" "A" "T" "G" "G" "T" "A" "T" "T" "G" "C" "T" "A" "C" "T"
          "G" "T" "A" "C" "G" "T" "G" "A" "A" "G" "T" "G" "C" "T" "G" "T" "C" "T"
  [16867]
  [16885] "G" "A" "C" "A" "G" "A" "G" "A" "A" "T" "T" "A" "C" " " "A" "T" "C" "T"
  [16903] "T" "T" "C" "A" "T" "G" "G" "G" "A" "A" "G" "T" "T" "G" "G" "T" "A" "A"
## [16921] "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "C" "C" "A" "C" "T" "T" "A" "A"
          "C" "C" "G" "A" "A" "A" "T" "T" "A" "T" "G" "T" "C" "T" "T" "T" "A" "C"
  Г169391
## [16957] "T" "G" "G" "T" "T" "A" "T" "C" "G" "T" "G" "T" " " "A" "A" "C" "T" "A"
## [16975] "A" "A" "A" "A" "C" "A" "G" "T" "A" "A" "A" "G" "T" "A" "C" "A" "A" "A"
## [16993] "T" "A" "G" "G" "A" "G" "A" "G" "T" "A" "C" "A" "C" "C" "T" "T" "T" "G"
```

```
## [17011] "A" "A" "A" "A" "A" "G" "G" "T" "G" "A" "C" "T" "A" "T" "G" "G" "T" "G"
  [17029] "A" "T" "G" "C" "T" "G" "T" "T" "G" "T" "T" " "T" " "T" "A" "C" "C" "G" "A"
## [17047] "G" "G" "T" "A" "C" "A" "A" "C" "A" "A" "C" "T" "T" "A" "C" "A" "A" "A"
## [17065] "T" "T" "A" "A" "A" "T" "G" "T" "G" "G" "T" "G" "G" "A" "T" "G" "A" "T"
## [17083] "T" "T" "T" "G" "T" "G" "C" "T" "G" "A" "C" "A" "T" "C" "A" "C" "A" "T"
## [17101] "A" "C" "A" "G" "T" "A" "A" "T" "G" "C" " " "C" "A" "T" "T" "A" "A" "G"
## [17119] "T" "G" "C" "A" "C" "C" "T" "A" "C" "A" "C" "T" "A" "G" "T" "G" "C" "C"
## [17137] "A" "C" "A" "A" "G" "A" "G" "C" "A" "C" "T" "A" "T" "G" "T" "T" "A" "G"
## [17155] "A" "A" "T" "T" "A" "C" "T" "G" "G" "C" "T" "T" "A" "T" "A" "C" "C" "C"
## [17173] "A" "A" "C" "A" "C" "T" "C" "A" "A" " " "T" "A" "T" "C" "T" "C" "A" "G"
## [17191] "A" "T" "G" "A" "G" "T" "T" "T" "T" "C" "T" "A" "G" "C" "A" "A" "T" "G"
## [17209] "T" "T" "G" "C" "A" "A" "A" "T" "T" "A" "T" "C" "A" "A" "A" "A" "A" "G" "G"
## [17227] "T" "T" "G" "G" "T" "A" "T" "G" "C" "A" "A" "A" "A" "G" "T" "A" "T" "T"
## [17245] "C" "T" "A" "C" "A" "C" "T" "C" " " "C" "A" "G" "G" "G" "A" "C" "C" "A"
## [17263] "C" "C" "T" "G" "G" "T" "A" "C" "T" "G" "G" "T" "A" "A" "G" "A" "G" "T"
## [17281] "C" "A" "T" "T" "T" "T" "G" "C" "T" "A" "T" "T" "G" "G" "C" "C" "T" "A"
## [17299] "G" "C" "T" "C" "T" "C" "T" "A" "C" "T" "A" "C" "C" "C" "T" "T" "C" "T"
## [17317] "G" "C" "T" "C" "G" "C" "A" " "T" "A" "G" "T" "G" "T" "A" "T" "A" "C"
## [17335] "A" "G" "C" "T" "T" "G" "C" "T" "C" "T" "C" "A" "T" "G" "C" "C" "G" "C"
## [17353] "T" "G" "T" "T" "G" "A" "T" "G" "C" "A" "C" "T" "A" "T" "G" "T" "G" "A"
## [17389] "G" "C" "C" "T" "A" "T" " "A" "G" "A" "T" "A" "A" "A" "T" "G" "T" "A"
## [17407] "G" "T" "A" "G" "A" "A" "T" "T" "A" "T" "A" "C" "C" "T" "G" "C" "A" "C"
## [17425] "G" "T" "G" "C" "T" "C" "G" "T" "G" "T" "A" "G" "A" "G" "T" "G" "T" "T"
## [17443] "T" "T" "G" "A" "T" "A" "A" "A" "T" "C" "A" "A" "A" "A" "G" "T" "G" "A"
## [17461] "A" "T" "T" "C" "A" " " "A" "C" "A" "T" "T" "A" "G" "A" "A" "C" "A" "G"
## [17479] "T" "A" "T" "G" "T" "C" "T" "T" "T" "T" "G" "T" "A" "C" "T" "G" "T" "A"
## [17497] "A" "A" "T" "G" "C" "A" "T" "T" "G" "C" "C" "T" "G" "A" "G" "A" "C" "G"
## [17515] "A" "C" "A" "G" "C" "A" "G" "A" "T" "A" "T" "A" "G" "T" "T" "G" "T" "C"
## [17533] "T" "T" "T" "G" " "A" "T" "G" "A" "A" "A" "T" "T" "T" "C" "A" "A" "T"
## [17551] "G" "G" "C" "C" "A" "C" "A" "A" "A" "T" "T" "A" "T" "G" "A" "T" "T" "T"
## [17569] "G" "A" "G" "T" "G" "T" "G" "T" "C" "A" "A" "T" "G" "C" "C" "A" "G"
## [17587] "A" "T" "T" "A" "C" "G" "T" "G" "C" "T" "A" "A" "G" "C" "A" "C" "T" "A"
## [17605] "T" "G" "T" " " "G" "T" "A" "C" "A" "T" "T" "G" "G" "C" "G" "A" "C" "C"
## [17623] "C" "T" "G" "C" "T" "C" "A" "A" "T" "T" "A" "C" "C" "T" "G" "C" "A" "C"
## [17641] "C" "A" "C" "G" "C" "A" "C" "A" "T" "T" "G" "C" "T" "A" "A" "C" "T" "A"
## [17659] "A" "G" "G" "G" "C" "A" "C" "A" "C" "T" "A" "G" "A" "A" "C" "C" "A" "G"
## [17677] "A" "A" " " "T" "A" "T" "T" "C" "A" "A" "T" "T" "C" "A" "G" "T" "G"
## [17695] "T" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "A" "C" "T"
## [17713] "A" "T" "A" "G" "G" "T" "C" "C" "A" "G" "A" "C" "A" "T" "G" "T" "T" "C"
## [17731] "C" "T" "C" "G" "G" "A" "A" "C" "T" "T" "G" "T" "C" "G" "G" "C" "G" "T"
## [17749] "T" " " "G" "T" "C" "C" "T" "G" "T" "G" "A" "A" "A" "A" "T" "T" "G" "T"
## [17767] "T" "G" "A" "C" "A" "C" "T" "G" "T" "G" "A" "G" "T" "G" "T" "T" "T"
## [17785] "G" "G" "T" "T" "T" "A" "T" "G" "A" "T" "A" "A" "T" "A" "A" "A" "G" "C" "T"
## [17803] "T" "A" "A" "A" "G" "C" "A" "C" "A" "T" "A" "A" "A" "G" "A" "C" "A" "A"
## [17821] " " "A" "T" "C" "A" "G" "C" "T" "C" "A" "A" "T" "G" "C" "T" "T" "T" "A"
  [17839] "A" "A" "A" "T" "G" "T" "T" "T" "T" "A" "T" "A" "A" "G" "G" "G" "T" "G"
## [17857] "T" "T" "A" "T" "C" "A" "C" "G" "C" "A" "T" "G" "A" "T" "G" "T" "T" "T"
  [17875] "C" "A" "T" "C" "T" "G" "C" "A" "A" "T" "T" "A" "A" "C" "A" "G" "G" " "
## [17893] "C" "C" "A" "C" "A" "A" "A" "T" "A" "G" "G" "C" "G" "T" "G" "G" "T" "A"
## [17911] "A" "G" "A" "G" "A" "A" "T" "T" "C" "C" "T" "T" "A" "C" "A" "C" "G" "T"
## [17929] "A" "A" "C" "C" "C" "T" "G" "C" "T" "T" "G" "G" "A" "G" "A" "A" "A" "A" "A"
## [17947] "G" "C" "T" "G" "T" "C" "T" "T" "A" "T" "T" "T" "T" "C" "A" "C" " " "C"
## [17965] "T" "T" "A" "T" "A" "A" "T" "T" "C" "A" "C" "A" "G" "A" "A" "T" "G" "C"
```

```
## [17983] "T" "G" "T" "A" "G" "C" "C" "T" "C" "A" "A" "A" "G" "A" "T" "T" "T" "T" "T"
   [18001] "G" "G" "G" "A" "C" "T" "A" "C" "C" "A" "A" "C" "T" "C" "A" "A" "A" "C"
  [18019] "T" "G" "T" "T" "G" "A" "T" "T" "C" "A" "T" "C" "A" "C" "A" "C" "A" " " "G" "G"
## [18037] "G" "C" "T" "C" "A" "G" "A" "A" "T" "A" "T" "G" "A" "C" "T" "A" "T" "G"
## [18055] "T" "C" "A" "T" "A" "T" "T" "C" "A" "C" "T" "C" "A" "A" "A" "A" "C" "C" "A"
## [18073] "C" "T" "G" "A" "A" "A" "C" "A" "G" "C" "T" "C" "A" "C" "T" "C" "T" "T"
## [18091] "G" "T" "A" "A" "T" "G" "T" "A" "A" "A" "C" "A" "G" "A" " " "T" "T" "T"
## [18109] "A" "A" "T" "G" "T" "T" "G" "C" "T" "A" "T" "A" "C" "C" "A" "G" "A"
   [18127] "G" "C" "A" "A" "A" "A" "G" "T" "A" "G" "C" "A" "T" "A" "C" "T" "T"
  [18145] "T" "G" "C" "A" "T" "A" "A" "T" "G" "T" "C" "T" "G" "A" "T" "A" "G" "A"
  [18163] "G" "A" "C" "C" "T" "T" "T" "A" "T" "G" "A" "C" "A" " " "A" "G" "T" "T"
## [18181] "G" "C" "A" "A" "T" "T" "T" "A" "C" "A" "A" "G" "T" "C" "T" "T" "G" "A"
  [18199] "A" "A" "T" "T" "C" "C" "A" "C" "G" "T" "A" "G" "G" "A" "A" "T" "G" "T"
## [18217] "G" "G" "C" "A" "A" "C" "T" "T" "A" "C" "A" "A" "G" "C" "T" "G" "A"
## [18235] "A" "A" "A" "T" "G" "T" "A" "A" "C" "A" "G" "G" " " " "A" "C" "T" "C" "T"
## [18253] "T" "T" "A" "A" "A" "G" "A" "T" "T" "G" "T" "A" "G" "T" "A" "A" "G" "G"
  [18271] "T" "A" "A" "T" "C" "A" "C" "T" "G" "G" "G" "T" "T" "A" "C" "A" "T" "C"
## [18289] "C" "T" "A" "C" "A" "C" "A" "G" "G" "C" "A" "C" "C" "T" "A" "C" "A" "C"
## [18307] "A" "C" "C" "T" "C" "A" "G" "T" "G" "T" "T" " " "G" "A" "C" "A" "C" "T"
## [18325] "A" "A" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "G" "A" "A" "G" "G" "T"
## [18343] "T" "T" "A" "T" "G" "T" "G" "T" "G" "A" "C" "G" "T" "A" "C" "C" "T"
## [18361] "G" "G" "C" "A" "T" "A" "C" "C" "T" "A" "A" "G" "G" "A" "C" "A" "T" "G"
## [18379] "A" "C" "C" "T" "A" "T" "A" "G" "A" "A" " " "G" "A" "C" "T" "C" "A" "T"
## [18397] "C" "T" "C" "T" "A" "T" "G" "A" "T" "G" "G" "G" "T" "T" "T" "T" "T" "A" "A"
## [18415] "A" "A" "T" "G" "A" "A" "T" "T" "A" "T" "C" "A" "A" "G" "T" "T" "A" "A"
## [18433] "T" "G" "G" "T" "T" "A" "C" "C" "C" "T" "A" "A" "C" "A" "T" "G" "T" "T"
## [18451] "T" "A" "T" "C" "A" "C" "C" "G" " " "C" "G" "A" "A" "G" "A" "A" "G"
## [18469] "C" "T" "A" "T" "A" "A" "G" "A" "C" "A" "T" "G" "T" "A" "C" "G" "T" "G"
## [18487] "C" "A" "T" "G" "G" "A" "T" "T" "G" "G" "C" "T" "T" "C" "G" "A" "T" "G"
## [18505] "T" "C" "G" "A" "G" "G" "G" "G" "T" "G" "T" "C" "A" "T" "G" "C" "T" "A"
## [18523] "C" "T" "A" "G" "A" "G" "A" "A" " " "G" "C" "T" "G" "T" "T" "G" "G" "T"
  [18541] "A" "C" "C" "A" "A" "T" "T" "T" "A" "C" "C" "T" "T" "T" "A" "C" "A" "G"
## [18559] "C" "T" "A" "G" "G" "T" "T" "T" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T"
## [18577] "G" "T" "A" "A" "C" "C" "T" "A" "G" "T" "T" "G" "C" "T" "G" "T" "A"
## [18595] "C" "C" "T" "A" "C" "A" "G" " " "G" "T" "T" "A" "T" "G" "T" "T" "G" "A"
## [18613] "T" "A" "C" "A" "C" "C" "T" "A" "A" "T" "A" "A" "T" "A" "C" "A" "G" "A"
## [18631] "T" "T" "T" "T" "T" "C" "C" "A" "G" "A" "G" "T" "T" "A" "G" "T" "G" "C"
## [18649] "T" "A" "A" "A" "C" "C" "A" "C" "C" "G" "C" "C" "T" "G" "G" "A"
## [18667] "T" "C" "A" "A" "T" "T" " "T" "A" "A" "A" "C" "A" "C" "C" "T" "C" "A"
## [18685] "T" "A" "C" "C" "A" "C" "T" "T" "A" "T" "G" "T" "A" "C" "A" "A" "A" "A" "G"
## [18703] "G" "A" "C" "T" "T" "C" "C" "T" "T" "G" "G" "A" "A" "T" "G" "T" "A" "G"
## [18721] "T" "G" "C" "G" "T" "A" "T" "A" "A" "G" "A" "T" "T" "G" "T" "A" "C"
## [18739] "A" "A" "A" "T" "G" " " "T" "T" "A" "A" "G" "T" "G" "A" "C" "A" "C" "A"
## [18757] "C" "T" "T" "A" "A" "A" "A" "T" "C" "T" "C" "T" "C" "T" "G" "A" "C"
## [18775] "A" "G" "A" "G" "T" "C" "G" "T" "A" "T" "T" "T" "G" "T" "C" "T" "T" "A"
## [18793] "T" "G" "G" "G" "C" "A" "C" "A" "T" "G" "G" "C" "T" "T" "T" "G" "A" "G"
   [18811] "T" "T" "G" "A" " " "C" "A" "T" "C" "T" "A" "T" "G" "A" "A" "G" "T" "A"
  [18829] "T" "T" "T" "T" "G" "T" "G" "A" "A" "A" "A" "T" "A" "G" "G" "A" "C" "C"
  [18847] "T" "G" "A" "G" "C" "G" "C" "A" "C" "C" "T" "G" "T" "T" "G" "T" "C" "T"
## [18865] "A" "T" "G" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "G" "C" "C" "A" "C"
## [18883] "A" "T" "G" " " "C" "T" "T" "T" "C" "C" "A" "C" "T" "G" "C" "T" "T"
## [18901] "C" "A" "G" "A" "C" "A" "C" "T" "T" "A" "T" "G" "C" "C" "T" "G" "T" "T"
## [18919] "G" "G" "C" "A" "T" "C" "A" "T" "C" "A" "T" "A" "T" "T" "G" "G" "A" "T"
## [18937] "T" "T" "G" "A" "T" "T" "A" "C" "G" "T" "C" "T" "A" "T" "A" "A" "T" "C"
```

```
## [18955] "C" "G" " " "T" "T" "T" "A" "T" "G" "A" "T" "T" "G" "A" "T" "G" "A" "T" "G" "T" "T"
  ## [18991] "G" "G" "T" "A" "A" "C" "C" "T" "A" "C" "A" "A" "A" "G" "C" "A" "A" "C"
## [19009] "C" "A" "T" "G" "A" "T" "C" "T" "G" "T" "A" "T" "T" "G" "T" "C" "A" "A"
## [19027] "G" " " "T" "C" "C" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C" "A" "C" "A"
## [19045] "T" "G" "T" "A" "G" "C" "T" "A" "G" "T" "T" "G" "T" "G" "A" "T" "G" "C"
## [19063] "A" "A" "T" "C" "A" "T" "G" "A" "C" "T" "A" "G" "G" "T" "G" "T" "C" "T"
## [19081] "A" "G" "C" "T" "G" "T" "C" "C" "A" "C" "G" "A" "G" "T" "G" "C" "T" "T"
  [19099] " " "T" "G" "T" "T" "A" "A" "G" "C" "G" "T" "G" "T" "T" "G" "A" "C" "T"
  [19117] "G" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A" "T" "A" "T" "C" "C" "T" "A"
  [19135] "T" "A" "A" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "A" "A" "C" "T" "G" "A"
## [19153] "A" "G" "A" "T" "T" "A" "A" "T" "G" "C" "G" "G" "C" "T" "T" "G" "T" "
## [19171] "A" "G" "A" "A" "A" "G" "G" "T" "T" "C" "A" "A" "C" "A" "C" "A" "T" "G"
## [19189] "G" "T" "T" "G" "T" "T" "A" "A" "G" "C" "T" "G" "C" "A" "T" "T" "A"
## [19207] "T" "T" "A" "G" "C" "A" "G" "C" "A" "A" "A" "A" "T" "T" "C" "C" "C" "A"
## [19225] "G" "T" "T" "C" "T" "T" "C" "A" "C" "G" "A" "C" "A" "T" "T" "G" " " "G"
  [19243] "T" "A" "A" "C" "C" "C" "T" "A" "A" "A" "G" "C" "T" "A" "T" "T" "A" "A"
## [19261] "G" "T" "G" "T" "G" "T" "A" "C" "C" "T" "C" "A" "A" "G" "C" "T" "G" "A"
## [19279] "T" "G" "T" "A" "G" "A" "A" "T" "G" "G" "A" "A" "G" "T" "T" "C" "T" "A"
## [19297] "T" "G" "A" "T" "G" "C" "A" "C" "A" "G" "C" "C" "T" "T" "G" " " "T" "A"
## [19315] "G" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "A" "A" "A" "A" "A" "A"
## [19333] "T" "A" "G" "A" "A" "G" "A" "A" "T" "T" "A" "T" "T" "C" "T" "A" "T" "T"
## [19351] "C" "T" "T" "A" "T" "G" "C" "C" "A" "C" "A" "C" "A" "T" "T" "C" "T" "G"
## [19369] "A" "C" "A" "A" "A" "T" "T" "C" "A" "C" "A" "G" "A" "T" " " "G" "G" "T"
## [19387] "G" "T" "A" "T" "G" "C" "C" "T" "A" "T" "T" "T" "T" "T" "G" "G" "A" "A" "T"
## [19405] "T" "G" "C" "A" "A" "T" "G" "T" "C" "G" "A" "T" "A" "G" "A" "T" "A" "T"
## [19423] "C" "C" "T" "G" "C" "T" "A" "A" "T" "T" "C" "C" "A" "T" "T" "G" "T" "T"
## [19441] "T" "G" "T" "A" "G" "A" "T" "T" "T" "G" "A" "C" "A" " " "C" "T" "A" "G"
## [19459] "A" "G" "T" "G" "C" "T" "A" "T" "C" "T" "A" "A" "C" "C" "T" "T" "A" "A"
## [19477] "C" "T" "T" "G" "C" "C" "T" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "G"
[19513] "T" "A" "A" "A" "C" "A" "T" "G" "C" "A" "T" "T" "T" " " "C" "C" "A" "C" "A"
## [19531] "C" "A" "C" "C" "A" "G" "C" "T" "T" "T" "T" "G" "A" "T" "A" "A" "A" "A"
## [19585] "A" "T" "T" "A" "C" "T" "C" "T" "G" "A" "C" " "A" "G" "T" "C" "C" "A"
## [19603] "T" "G" "T" "G" "A" "G" "T" "C" "T" "C" "A" "T" "G" "G" "A" "A" "A" "A" "A"
## [19621] "C" "A" "A" "G" "T" "A" "G" "T" "G" "T" "C" "A" "G" "A" "T" "A" "T" "A"
## [19639] "G" "A" "T" "T" "A" "T" "G" "T" "A" "C" "C" "A" "C" "T" "A" "A" "A" "G"
## [19657] "T" "C" "T" "G" "C" "T" "A" "C" "G" "T" " " "G" "T" "A" "T" "A" "A" "C"
## [19675] "A" "C" "G" "T" "T" "G" "C" "A" "A" "T" "T" "T" "A" "G" "G" "T" "G" "G"
## [19693] "T" "G" "C" "T" "G" "T" "C" "T" "G" "T" "A" "G" "A" "C" "A" "T" "C" "A"
## [19711] "T" "G" "C" "T" "A" "A" "T" "G" "A" "G" "T" "A" "C" "A" "G" "A" "T" "T"
## [19729] "G" "T" "A" "T" "C" "T" "C" "G" "A" " " "T" "G" "C" "T" "T" "A" "T" "A"
## [19747] "A" "C" "A" "T" "G" "A" "T" "G" "A" "T" "C" "T" "C" "A" "G" "C" "T" "G"
## [19765] "G" "C" "T" "T" "A" "G" "C" "T" "T" "G" "G" "G" "G" "G" "T" "T"
  [19783] "A" "C" "A" "A" "A" "C" "A" "A" "T" "T" "T" "G" "A" "T" "A" "C" "T" "T"
  [19801] "A" "T" "A" "A" "C" "C" "T" "C" " "T" "G" "G" "A" "A" "C" "A" "C" "A" "C" "T"
  [19819] "T" "T" "T" "A" "C" "A" "A" "G" "A" "C" "T" "T" "C" "A" "G" "A" "G" "T"
## [19837] "T" "T" "A" "G" "A" "A" "A" "T" "G" "T" "G" "G" "C" "T" "T" "T" "T" "T"
## [19855] "A" "A" "T" "G" "T" "T" "G" "T" "A" "A" "A" "A" "A" "A" "G" "G" "G" "A"
## [19873] "C" "A" "C" "T" "T" "G" " "A" "T" "G" "G" "A" "C" "A" "A" "C" "A"
## [19891] "G" "G" "T" "G" "A" "A" "G" "T" "A" "C" "C" "A" "G" "T" "T" "T" "C"
## [19909] "T" "A" "T" "C" "A" "T" "T" "A" "A" "T" "A" "A" "C" "A" "C" "T" "G" "T"
```

```
## [19927] "T" "T" "A" "C" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "T" "G" "G"
  [19945] "T" "G" "T" "T" "G" "A" " " "T" "G" "T" "A" "G" "A" "A" "A" "T" "T" "G" "T"
  ## [19981] "T" "A" "C" "C" "T" "G" "T" "A" "A" "T" "G" "T" "A" "G" "C" "A" "T"
## [19999] "T" "T" "G" "A" "G" "C" "T" "T" "T" "G" "G" "G" "C" "T" "A" "A" "G" "C"
## [20017] "G" "C" "A" "A" "C" " " "A" "T" "T" "A" "A" "A" "C" "C" "A" "G" "T" "A"
## [20035] "C" "C" "A" "G" "A" "G" "G" "T" "G" "A" "A" "A" "A" "A" "T" "A" "C" "T" "C"
[20071] "A" "T" "T" "G" "C" "T" "G" "C" "T" "A" "A" "A" "A" "C" "T" "G" "T" "G"
  [20089] "A" "T" "C" "T" " "G" "G" "G" "A" "C" "T" "A" "C" "A" "A" "A" "A" "G"
  [20107] "A" "G" "A" "T" "G" "C" "T" "C" "C" "A" "G" "C" "A" "C" "A" "T" "A" "T"
  [20125] "A" "T" "C" "T" "A" "C" "T" "A" "T" "T" "G" "G" "T" "G" "T" "T" "T" "G"
  [20143] "T" "T" "C" "T" "A" "T" "G" "A" "C" "T" "G" "A" "C" "A" "T" "A" "G" "C"
## [20161] "C" "A" "A" " " "G" "A" "A" "A" "C" "C" "A" "A" "C" "T" "G" "A" "A" "A" "A"
## [20179] "C" "G" "A" "T" "T" "T" "G" "T" "G" "C" "A" "C" "C" "A" "C" "T" "C" "A"
## [20197] "C" "T" "G" "T" "C" "T" "T" "T" "T" "T" "T" "G" "A" "T" "G" "G" "T" "A"
  [20215] "G" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "C" "A" "A" "G"
  [20233] "A" "C" " " "T" "T" "A" "T" "T" "A" "G" "A" "A" "A" "A" "T" "G" "C" "C"
  [20251] "C" "G" "T" "A" "A" "T" "G" "G" "T" "G" "T" "C" "T" "T" "A" "T" "T"
## [20269] "A" "C" "A" "G" "A" "A" "G" "G" "T" "A" "G" "T" "G" "T" "T" "A" "A" "A" "A"
## [20287] "G" "G" "T" "T" "T" "A" "C" "A" "A" "C" "A" "T" "C" "T" "G" "T" "A"
## [20305] "G" " " "G" "T" "C" "C" "C" "A" "A" "A" "C" "A" "A" "G" "C" "T" "A" "G"
## [20323] "T" "C" "T" "T" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "C" "A" "T" "T"
## [20341] "A" "A" "T" "T" "G" "G" "A" "G" "A" "G" "C" "C" "G" "T" "A" "A" "A" "A"
## [20359] "A" "A" "C" "A" "C" "A" "G" "T" "T" "C" "A" "A" "T" "T" "A" "T" "A"
  [20377] " " "T" "A" "A" "G" "A" "A" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "G"
## [20395] "T" "T" "G" "T" "C" "C" "A" "A" "C" "A" "A" "T" "T" "A" "C" "C" "T" "G"
  [20413] "A" "A" "A" "C" "T" "T" "A" "C" "T" "T" "A" "C" "T" "C" "A" "G" "A"
## [20431] "G" "T" "A" "G" "A" "A" "A" "T" "T" "T" "A" "C" "A" "A" "G" "A" "A" "A" "
## [20449] "T" "T" "A" "A" "A" "C" "C" "C" "A" "G" "G" "A" "G" "T" "C" "A" "A"
## [20467] "A" "T" "G" "G" "A" "A" "A" "T" "T" "G" "A" "T" "T" "T" "C" "T" "T" "A"
  [20485] "G" "A" "A" "T" "T" "A" "G" "C" "T" "A" "T" "G" "G" "A" "T" "G" "A" "A"
  [20503] "T" "T" "C" "A" "T" "T" "G" "A" "A" "C" "G" "G" "T" "A" "T" "A" "T" "A" " "A"
  [20521] "A" "T" "T" "A" "G" "A" "A" "G" "C" "T" "A" "T" "G" "C" "T" "T"
## [20539] "C" "G" "A" "A" "C" "A" "T" "A" "T" "C" "G" "T" "T" "T" "A" "T" "G" "G"
## [20557] "A" "G" "A" "T" "T" "T" "T" "A" "G" "T" "C" "A" "T" "A" "G" "T" "C" "A"
## [20575] "G" "T" "T" "A" "G" "G" "T" "G" "G" "T" "T" "T" "A" "C" "A" " " "T" "C"
## [20593] "T" "A" "C" "T" "G" "A" "T" "T" "G" "A" "C" "T" "A" "G" "C" "T" "A"
## [20611] "A" "A" "C" "G" "T" "T" "T" "T" "A" "A" "G" "G" "A" "A" "T" "C" "A" "C"
  [20629] "C" "T" "T" "T" "T" "G" "A" "A" "T" "T" "A" "G" "A" "A" "G" "A" "T" "T"
##
  [20647] "T" "T" "A" "T" "T" "C" "C" "T" "A" "T" "G" "G" "A" "C" " " "A" "G" "T"
## [20665] "A" "C" "A" "G" "T" "T" "A" "A" "A" "A" "A" "C" "T" "A" "T" "T" "T" "C"
## [20683] "A" "T" "A" "A" "C" "A" "G" "A" "T" "G" "C" "G" "C" "A" "A" "A" "C" "A"
## [20701] "G" "G" "T" "T" "C" "A" "T" "C" "T" "A" "A" "G" "T" "G" "T" "G" "T" "G"
## [20719] "T" "G" "T" "T" "C" "T" "G" "T" "T" "A" "T" "T" "G" " " "A" "T" "T" "T" "T"
## [20737] "A" "T" "T" "A" "C" "T" "T" "G" "A" "T" "G" "A" "T" "T" "T" "T" "T" "T" "G" "T"
  [20773] "A" "G" "A" "T" "T" "T" "A" "T" "C" "T" "G" "T" "A" "G" "T" "T" "T" "C"
  [20791] "T" "A" "A" "G" "G" "T" "T" "G" "T" "C" "A" "A" " " " "A" "G" "T" "G" "A"
  [20809] "C" "T" "A" "T" "T" "G" "A" "C" "T" "A" "T" "A" "C" "A" "G" "A" "A" "A" "A"
          "T" "T" "T" "C" "A" "T" "T" "T" "A" "T" "G" "C" "T" "T" "T" "T" "G" "G" "T"
  [20827]
## [20845] "G" "T" "A" "A" "A" "G" "A" "T" "G" "G" "C" "C" "A" "T" "G" "T" "A" "G"
## [20881] "T" "T" "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "C" "A" "A" "G" "C" "G"
```

```
## [20899] "T" "G" "G" "C" "A" "A" "C" "C" "G" "G" "G" "T" "G" "T" "T" "G" "C" "T"
  [20917] "A" "T" "G" "C" "C" "T" "A" "A" "T" "C" "T" "T" "T" "A" "A" "A" "A" "A"
  [20935] "A" "T" "G" "C" "A" "A" "A" "G" "A" "A" " " " "T" "G" "C" "T" "A" "T" "T"
## [20953] "A" "G" "A" "A" "A" "A" "G" "T" "G" "T" "G" "A" "C" "C" "T" "T" "C" "A"
## [20971] "A" "A" "A" "T" "T" "A" "T" "G" "G" "T" "G" "A" "T" "A" "G" "T" "G" "C"
## [20989] "A" "A" "C" "A" "T" "T" "A" "C" "C" "T" "A" "A" "A" "G" "G" "C" "A" "T"
## [21007] "A" "A" "T" "G" "A" "T" "G" "A" "A" " " " "T" "G" "T" "C" "G" "C" "A" "A"
## [21025] "A" "A" "T" "A" "T" "A" "C" "T" "C" "A" "A" "C" "T" "G" "T" "G" "T" "C"
  [21061] "C" "A" "T" "T" "A" "G" "C" "T" "G" "T" "A" "C" "C" "C" "T" "A" "T" "A"
  [21079] "A" "T" "A" "T" "G" "A" "G" "A" " "G" "T" "T" "A" "T" "A" "C" "A" "T"
## [21097] "T" "T" "G" "G" "T" "G" "C" "T" "G" "G" "T" "T" "C" "T" "G" "A" "T"
  [21115] "A" "A" "A" "G" "G" "A" "G" "T" "T" "G" "C" "A" "C" "A" "G" "G" "T"
## [21133] "A" "C" "A" "G" "C" "T" "G" "T" "T" "T" "T" "A" "A" "G" "A" "C" "A" "G"
## [21151] "T" "G" "G" "T" "T" "G" "C" " " "C" "T" "A" "C" "G" "G" "G" "T" "A" "C"
## [21169] "G" "C" "T" "G" "C" "T" "T" "G" "T" "C" "G" "A" "T" "T" "C" "A" "G" "A"
  [21187] "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "T" "T" "T" "G" "T" "C"
  [21205] "T" "G" "A" "T" "G" "C" "A" "G" "A" "T" "T" "C" "A" "A" "C" "T" "T" "T"
## [21223] "G" "A" "T" "T" "G" "G" " " "T" "G" "A" "T" "T" "G" "T" "G" "C" "A" "A"
## [21241] "C" "T" "G" "T" "A" "C" "A" "T" "A" "C" "A" "G" "C" "T" "A" "A" "T" "A"
## [21259] "A" "A" "T" "G" "G" "G" "A" "T" "C" "T" "C" "A" "T" "T" "A" "T" "T" "A"
## [21277] "G" "T" "G" "A" "T" "A" "T" "G" "T" "A" "C" "G" "A" "C" "C" "C" "T" "A"
## [21295] "A" "G" "A" "C" "T" " "A" "A" "A" "A" "A" "T" "G" "T" "T" "A" "C" "A"
## [21313] "A" "A" "A" "G" "A" "A" "A" "A" "T" "G" "A" "C" "T" "C" "T" "A" "A" "A" "A"
## [21331] "G" "A" "G" "G" "G" "T" "T" "T" "T" "T" "T" "C" "A" "C" "T" "T" "T" "A" "C"
  ## [21367] "C" "A" "A" "A" " " "A" "G" "C" "T" "A" "G" "C" "T" "C" "T" "T" "G" "G"
## [21385] "A" "G" "G" "T" "T" "C" "C" "G" "T" "G" "G" "C" "T" "A" "A" "A" "A"
## [21403] "G" "A" "T" "A" "A" "C" "A" "G" "A" "A" "C" "A" "T" "T" "C" "T" "T" "G"
## [21421] "G" "A" "A" "T" "G" "C" "T" "G" "A" "T" "C" "T" "T" "T" "A" "T" "A" "A"
## [21439] "G" "C" "T" " " "C" "A" "T" "G" "G" "G" "A" "C" "A" "C" "T" "T" "C" "G"
  [21457] "C" "A" "T" "G" "G" "T" "G" "G" "A" "C" "A" "G" "C" "C" "T" "T" "T" "G"
## [21475] "T" "T" "A" "C" "T" "A" "A" "T" "G" "T" "G" "A" "A" "T" "G" "C" "G" "T"
## [21493] "C" "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "G" "C" "A" "T" "T" "T" "T" "T"
## [21511] "T" "A" " "A" "T" "T" "G" "G" "A" "T" "G" "T" "A" "A" "T" "T" "A" "T"
## [21529] "C" "T" "T" "G" "G" "C" "A" "A" "A" "C" "C" "A" "C" "G" "C" "G" "A" "A"
## [21547] "C" "A" "A" "A" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A" "T" "G" "T" "C"
## [21565] "A" "T" "G" "C" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "A" "C" "A" "T" "A"
## [21583] "T" " "T" "T" "T" "G" "G" "A" "G" "G" "A" "A" "T" "A" "C" "A" "A" "A" "A"
  [21601] "T" "C" "C" "A" "A" "T" "T" "C" "A" "G" "T" "T" "G" "T" "C" "T" "T" "C"
##
  [21619] "C" "T" "A" "T" "T" "C" "T" "T" "T" "A" "T" "T" "T" "G" "A" "C" "A" "T"
## [21637] "G" "A" "G" "T" "A" "A" "A" "T" "T" "T" "C" "C" "C" "C" "T" "T" "A" "A" "A"
## [21655] " " "A" "T" "T" "A" "A" "G" "G" "G" "G" "T" "A" "C" "T" "G" "C" "T" "G"
## [21673] "T" "T" "A" "T" "G" "T" "C" "T" "T" "A" "A" "A" "A" "A" "G" "A" "A" "G"
## [21691] "G" "T" "C" "A" "A" "T" "C" "A" "A" "T" "G" "A" "T" "A" "T" "A" "T" "G" "A"
[21727] "A" "A" "A" "G" "G" "T" "A" "G" "A" "C" "T" "T" "A" "T" "A" "A" "T" "T"
  [21745] "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "A" "C" "A" "G" "A" "G" "A" "G" "T" "T"
  [21763] "G" "T" "T" "A" "T" "T" "T" "C" "T" "A" "G" "T" "G" "A" "T" "G" "T" "T"
## [21781] "C" "T" "T" "G" "T" "T" "A" "A" "C" "A" "A" "C" "T" "A" "A" "A" "A" "C"
         [21799]
## [21817] "T" "T" "G" "T" "T" "T" "A" "T" "T" "G" "C" "C" "A" "C" "T" "A" "G"
## [21835] "T" "C" "T" "C" "T" "A" "G" "T" "C" "A" "G" "T" "G" "T" "G" "T" "T" "A"
## [21853] "A" "T" "C" "T" "T" "A" "C" "A" "A" "C" "C" "A" "G" "A" "A" " " "C" "T"
```

```
## [21871] "C" "A" "A" "T" "T" "A" "C" "C" "C" "C" "C" "T" "G" "C" "A" "T" "A" "C"
  [21889] "A" "C" "T" "A" "A" "T" "T" "C" "T" "T" "C" "A" "C" "A" "C" "A" "C" "G" "T"
## [21907] "G" "G" "T" "G" "T" "T" "A" "T" "A" "C" "C" "C" "C" "T" "G" "A" "C"
## [21925] "A" "A" "A" "G" "T" "T" "T" "T" "C" "A" "G" "A" "T" "C" " " " "C" "T" "C"
## [21943] "A" "G" "T" "T" "T" "T" "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "C" "A"
## [21961] "G" "G" "A" "C" "T" "T" "G" "T" "T" "C" "T" "T" "A" "C" "C" "T" "T" "T"
## [21979] "C" "T" "T" "T" "T" "C" "C" "A" "A" "T" "G" "T" "T" "A" "C" "T" "T" "G"
## [21997] "G" "T" "T" "C" "C" "A" "T" "G" "T" "T" "A" "T" "C" " " "T" "C" "T" "G"
  [22015] "G" "G" "A" "C" "C" "A" "A" "T" "G" "G" "T" "A" "C" "T" "A" "A" "G" "A"
  [22033] "G" "G" "T" "T" "T" "G" "A" "T" "A" "A" "C" "C" "C" "T" "G" "T" "C" "C"
  [22051] "T" "A" "C" "C" "A" "T" "T" "T" "A" "A" "T" "G" "A" "T" "G" "G" "T" "G"
## [22069] "T" "T" "A" "T" "T" "T" "T" "G" "C" "T" "T" "T" " "C" "C" "A" "T" "T"
## [22087] "G" "A" "G" "A" "A" "G" "T" "C" "T" "A" "A" "C" "A" "T" "A" "A" "T" "A"
## [22105] "A" "G" "A" "G" "G" "C" "T" "G" "G" "A" "T" "T" "T" "T" "T" "T" "G" "G" "T"
## [22123] "A" "C" "T" "A" "C" "T" "T" "T" "A" "G" "A" "T" "T" "C" "G" "A" "A" "G"
## [22141] "A" "C" "C" "C" "A" "G" "T" "C" "C" "C" "T" " "A" "C" "T" "T" "A" "T"
  [22159] "T" "G" "T" "T" "A" "A" "T" "A" "A" "C" "G" "C" "T" "A" "C" "T" "A" "A"
## [22177] "T" "G" "T" "T" "G" "T" "T" "A" "T" "A" "A" "A" "A" "G" "T" "C" "T" "G"
  [22195] "T" "G" "A" "A" "T" "T" "T" "C" "A" "A" "T" "T" "T" "T" "T" "G" "T" "A" "A"
## [22213] "T" "G" "A" "T" "C" "C" "A" "T" "T" "T" "T" "T" "T" "G" "G" "A" "C" "C"
## [22375] "N" "N" "N" "N" "N" "A" "G" "A" "A" "T" "A" "T" "T" "G" "A" "T" "G" "G"
## [22411] "T" "A" "A" "G" "C" "A" "C" "A" "C" "G" "C" "T" "A" "T" "T" "A" "T"
## [22429] "A" "G" "T" "G" "C" "G" "T" " " "G" "A" "T" "C" "T" "C" "C" "C" "T" "C"
## [22447] "A" "G" "G" "G" "T" "T" "T" "T" "T" "C" "G" "G" "C" "T" "T" "T" "A" "G"
## [22465] "A" "A" "C" "C" "A" "T" "T" "G" "G" "T" "A" "G" "A" "T" "T" "T" "G" "C"
## [22483] "C" "A" "A" "T" "A" "G" "G" "T" "A" "T" "T" "A" "A" "C" "A" "T" "C" "A"
## [22501] "C" "T" "A" "G" "G" "T" " " "T" "T" "C" "A" "A" "A" "C" "T" "T" "T" "A"
## [22519] "C" "T" "T" "G" "C" "T" "T" "T" "A" "C" "A" "T" "A" "G" "A" "A" "G" "T"
## [22537] "T" "A" "T" "T" "T" "G" "A" "C" "T" "C" "C" "T" "G" "G" "T" "G" "A" "T"
## [22555] "T" "C" "T" "T" "C" "T" "T" "C" "A" "G" "G" "T" "T" "G" "G" "A" "C" "A"
## [22573] "G" "C" "T" "G" "G" " " "T" "G" "C" "T" "G" "C" "A" "G" "C" "T" "T" "A"
## [22591] "T" "T" "A" "T" "G" "T" "G" "G" "G" "T" "T" "A" "T" "C" "T" "T" "C" "A"
## [22609] "A" "C" "C" "T" "A" "G" "G" "A" "C" "T" "T" "T" "T" "T" "C" "T" "A" "T" "T"
## [22627] "A" "A" "A" "A" "T" "A" "T" "A" "T" "G" "A" "A" "A" "A" "A" "T" "G" "G"
## [22645] "A" "A" "C" "C" " " "A" "T" "T" "A" "C" "A" "G" "A" "T" "G" "C" "T" "G"
## [22663] "T" "A" "G" "A" "C" "T" "G" "T" "G" "C" "A" "C" "T" "T" "G" "A" "C" "C"
## [22681] "C" "T" "C" "T" "C" "T" "C" "A" "G" "A" "A" "A" "C" "A" "A" "A" "A" "G" "T"
  [22699] "G" "T" "A" "C" "G" "T" "T" "G" "A" "A" "A" "T" "C" "C" "T" "T" "C" "A"
[22735] "T" "A" "T" "C" "A" "A" "A" "C" "T" "T" "C" "T" "A" "A" "C" "T" "T" "T"
"T" "C" "T" "A" "T" "T" "G" "T" "T" "A" "G" "A" "T" "T" "T" "C" "C" "T"
## [22771]
## [22789] "A" "A" " "T" "A" "T" "T" "A" "C" "A" "A" "A" "C" "T" "T" "G" "T" "G"
## [22807] "C" "C" "C" "T" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "T" "T" "T" "T" "T"
## [22825] "T" "A" "A" "C" "G" "C" "C" "A" "C" "G" "A" "G" "A" "T" "T" "T" "T" "G" "C"
```

```
## [22843] "A" "T" "C" "T" "G" "T" "T" "T" "A" "T" "G" "C" "T" "T" "G" "G" "A" "A"
 ## [22879] "A" "C" "T" "G" "T" "G" "T" "T" "G" "C" "T" "G" "A" "T" "T" "A" "T" "T"
 [22897] "C" "T" "G" "T" "C" "C" "T" "A" "T" "A" "T" "A" "A" "T" "T" "C" "C" "G"
## [22915] "C" "A" "T" "C" "A" "T" "T" "T" "T" "C" "C" "A" "C" "T" "T" "T" "T" "A"
## [22933] " " "A" "G" "T" "G" "T" "T" "A" "T" "G" "G" "A" "G" "T" "G" "T" "C" "T"
## [22951] "C" "C" "T" "A" "C" "T" "A" "A" "A" "T" "T" "A" "A" "A" "T" "G" "A" "T"
## [22969] "C" "T" "C" "T" "G" "C" "T" "T" "T" "A" "C" "T" "A" "A" "T" "G" "T" "C"
 [22987] "T" "A" "T" "G" "C" "A" "G" "A" "T" "T" "C" "A" "T" "T" "T" "G" "T" " "
 [23005] "A" "A" "T" "T" "A" "G" "A" "G" "G" "T" "G" "A" "T" "G" "A" "A" "A" "A" "G" "T"
 [23023] "C" "A" "G" "A" "C" "A" "A" "A" "T" "C" "G" "C" "T" "C" "C" "A" "G" "G"
## [23041] "G" "C" "A" "A" "A" "C" "T" "G" "G" "A" "A" "A" "G" "A" "T" "T" "G" "C"
## [23077] "T" "A" "C" "C" "A" "G" "A" "T" "G" "A" "T" "T" "T" "T" "A" "C" "A" "G"
## [23095] "G" "C" "T" "G" "C" "G" "T" "T" "A" "T" "A" "G" "C" "T" "T" "G" "G" "A"
## [23419] "T" "G" "T" "G" "T" "C" "A" "A" "T" "T" "T" "T" " "C" "A" "A" "C" "T" "T"
## [23437] "C" "A" "A" "T" "G" "G" "T" "T" "A" "A" "A" "A" "A" "G" "G" "C" "A" "C"
## [23455] "A" "G" "G" "T" "G" "T" "T" "C" "T" "T" "A" "C" "T" "G" "A" "G" "T" "C"
## [23473] "T" "A" "A" "C" "A" "A" "A" "A" "G" "T" "T" "T" "C" "T" "G" "C" "C"
## [23491] "T" "T" "T" "C" "C" "A" "A" "C" "A" "A" " " "T" "T" "T" "G" "G" "C" "A"
## [23509] "G" "A" "G" "A" "C" "A" "T" "T" "G" "C" "T" "G" "A" "C" "A" "C" "T" "A"
## [23527] "C" "T" "G" "A" "T" "G" "C" "T" "G" "T" "C" "C" "G" "T" "G" "A" "T" "C"
## [23545] "C" "A" "C" "A" "G" "A" "C" "A" "C" "T" "T" "G" "A" "G" "A" "T" "T" "C"
## [23563] "T" "T" "G" "A" "C" "A" "T" "T" "A" " " "C" "A" "C" "C" "A" "T" "G" "T"
## [23581] "T" "C" "T" "T" "T" "T" "G" "G" "T" "G" "G" "T" "G" "T" "C" "A" "G" "T"
## [23599] "G" "T" "T" "A" "T" "A" "A" "C" "A" "C" "A" "G" "G" "A" "A" "C" "A"
## [23617] "A" "A" "T" "A" "C" "T" "T" "C" "T" "A" "A" "C" "C" "A" "G" "G" "T" "T"
## [23635] "G" "C" "T" "G" "T" "T" "C" "T" " "T" "T" "A" "T" "C" "A" "G" "G" "G"
## [23653] "T" "G" "T" "T" "A" "A" "C" "T" "G" "C" "A" "C" "A" "G" "A" "A" "G" "T"
       "C" "C" "C" "T" "G" "T" "T" "G" "C" "T" "A" "T" "T" "C" "A" "T" "G" "C"
 [23671]
 [23689] "A" "G" "A" "T" "C" "A" "A" "C" "T" "T" "A" "C" "T" "C" "C" "T" "A" "C"
 [23707] "T" "T" "G" "G" "C" "G" "T" " " "G" "T" "T" "T" "A" "T" "T" "C" "T" "A"
## [23725] "C" "A" "G" "G" "T" "T" "C" "T" "A" "A" "T" "G" "T" "T" "T" "T" "T" "T" "C"
## [23743] "A" "A" "A" "C" "A" "C" "G" "T" "G" "C" "A" "G" "C" "T" "G" "T" "T"
## [23761] "T" "A" "A" "T" "A" "G" "G" "G" "C" "T" "G" "A" "A" "T" "A" "T" "G"
## [23779] "T" "C" "A" "A" "C" "A" " " "A" "C" "T" "C" "A" "T" "A" "T" "G" "A" "G"
## [23797] "T" "G" "T" "G" "A" "C" "A" "T" "A" "C" "C" "C" "A" "T" "T" "G" "G" "T"
```

```
## [23815] "G" "C" "A" "G" "G" "T" "A" "T" "A" "T" "G" "C" "G" "C" "T" "A" "G" "T"
  [23833] "T" "A" "T" "C" "A" "G" "A" "C" "T" "C" "A" "G" "A" "C" "T" "A" "A" "G"
  [23851] "T" "C" "T" "C" "A" " " "T" "C" "G" "G" "C" "G" "G" "G" "C" "A" "C" "A" "C" "G"
## [23887] "C" "A" "T" "C" "A" "T" "T" "G" "C" "C" "T" "A" "C" "A" "C" "T" "A" "T"
## [23905] "G" "T" "C" "A" "C" "T" "T" "G" "G" "T" "G" "C" "A" "G" "A" "A" "A" "A" "A"
## [23923] "T" "T" "C" "A" " " "G" "T" "T" "G" "C" "T" "T" "A" "C" "T" "C" "T" "A"
## [23941] "A" "T" "A" "A" "C" "T" "C" "T" "A" "T" "G" "C" "C" "A" "T" "A" "C"
  [23959] "C" "C" "A" "C" "A" "A" "A" "T" "T" "T" "T" "A" "C" "T" "A" "T" "T" "A"
  [23977] "G" "T" "G" "T" "T" "A" "C" "C" "A" "C" "A" "G" "A" "A" "A" "A" "T" "T" "C"
  [23995] "T" "A" "C" " " "C" "A" "G" "T" "G" "T" "C" "T" "A" "T" "G" "A" "C" "C"
## [24013] "A" "A" "G" "A" "C" "A" "T" "C" "A" "G" "T" "A" "G" "A" "T" "T" "G" "T"
## [24031] "A" "C" "A" "A" "T" "G" "T" "A" "C" "A" "T" "T" "T" "G" "T" "G" "T"
## [24049] "G" "A" "T" "T" "C" "A" "A" "C" "T" "G" "A" "A" "T" "G" "C" "A" "G" "C"
## [24067] "A" "A" " " "T" "C" "T" "T" "T" "G" "T" "T" "G" "C" "A" "A" "T" "A"
## [24085] "T" "G" "G" "C" "A" "G" "T" "T" "T" "T" "T" "G" "T" "A" "C" "A" "C" "A"
  [24103] "A" "T" "T" "A" "A" "A" "A" "C" "G" "T" "G" "C" "T" "T" "T" "A" "A" "C"
## [24121] "T" "G" "G" "A" "A" "T" "A" "G" "C" "T" "G" "T" "T" "G" "A" "A" "C" "A"
## [24157] "A" "A" "G" "T" "T" "T" "T" "T" "G" "C" "A" "C" "A" "A" "G" "T" "C" "A"
## [24175] "A" "A" "C" "A" "A" "A" "T" "T" "T" "A" "C" "A" "A" "A" "A" "C" "A" "C"
## [24229] "C" "A" "A" "A" "T" "A" "T" "A" "C" "C" "A" "G" "A" "T" "C" "C" "A"
## [24247] "T" "C" "A" "A" "A" "A" "C" "C" "A" "A" "G" "C" "A" "A" "G" "C" "A" "A" "G" "G"
## [24265] "T" "C" "A" "T" "T" "T" "A" "T" "T" "G" "A" "A" "G" "A" "T" "C" "T" " "
## [24283] "A" "C" "T" "T" "T" "T" "C" "A" "A" "A" "A" "A" "G" "T" "G" "A" "C"
## [24301] "A" "C" "T" "T" "G" "C" "A" "G" "A" "T" "G" "C" "T" "G" "G" "C" "T" "T"
## [24319] "C" "A" "T" "C" "A" "A" "C" "A" "A" "T" "A" "T" "G" "G" "T" "G" "A"
## [24337] "T" "T" "G" "C" "C" "T" "T" "G" "G" "T" "G" "A" "T" "A" "T" "T" " " "G"
## [24355] "C" "T" "G" "C" "T" "A" "G" "A" "G" "A" "C" "C" "T" "C" "A" "T" "T" "T"
  [24373] "G" "T" "G" "C" "A" "C" "A" "A" "A" "A" "G" "T" "T" "T" "A" "A" "A" "G"
## [24391] "G" "C" "C" "T" "T" "A" "C" "T" "G" "T" "T" "T" "T" "G" "C" "C" "A" "C"
## [24409] "C" "T" "T" "G" "C" "T" "C" "A" "G" "A" "T" "G" " " "A" "A" "A"
## [24427] "A" "T" "G" "A" "T" "T" "G" "C" "T" "C" "A" "A" "T" "A" "C" "A" "C" "T"
## [24445] "T" "C" "T" "G" "C" "A" "C" "T" "G" "T" "A" "G" "C" "G" "G" "G" "T"
## [24463] "A" "C" "A" "A" "T" "C" "A" "C" "T" "T" "C" "T" "G" "G" "T" "T" "G" "G"
## [24481] "A" "C" "C" "T" "T" "T" "G" "G" "T" "G" "C" "A" "G" "G" " " " "T" "G" "C"
## [24499] "T" "G" "C" "A" "T" "T" "A" "C" "A" "A" "A" "T" "A" "C" "C" "A" "T" "T"
## [24517] "T" "G" "C" "T" "A" "T" "G" "C" "A" "A" "A" "T" "G" "G" "C" "T" "T" "A"
## [24535] "T" "A" "G" "G" "T" "T" "T" "A" "A" "T" "G" "G" "T" "A" "T" "T" "G" "G"
## [24553] "A" "G" "T" "T" "A" "C" "A" "C" "A" "G" "A" "A" "T" " " "G" "T" "T" "C"
## [24589] "T" "G" "A" "T" "T" "G" "C" "C" "A" "A" "C" "C" "A" "A" "T" "T" "T" "A"
## [24607] "A" "T" "A" "G" "T" "G" "C" "T" "A" "T" "T" "G" "G" "C" "A" "A" "A" "A" "A"
## [24625] "T" "T" "C" "A" "A" "G" "A" "C" "T" "C" "A" "C" " " "T" "T" "T" "T" "T" "C" "T"
  [24643] "T" "C" "C" "A" "C" "A" "G" "C" "A" "G" "T" "G" "C" "A" "C" "T" "T"
## [24661] "G" "G" "A" "A" "A" "A" "C" "T" "T" "C" "A" "A" "G" "A" "T" "G" "T" "G"
  [24679] "G" "T" "C" "A" "A" "C" "C" "A" "T" "A" "A" "T" "G" "C" "A" "C" "A" "A" "A"
## [24697] "G" "C" "T" "T" "A" "A" "A" "C" "A" "C" " " "G" "C" "T" "T" "G" "T"
         "T" "A" "A" "A" "C" "A" "A" "C" "T" "T" "A" "G" "C" "T" "C" "C" "A" "A"
  [24715]
## [24733] "A" "T" "T" "T" "G" "G" "T" "G" "C" "A" "A" "T" "T" "T" "C" "A" "A" "G"
## [24751] "T" "G" "T" "T" "T" "T" "A" "A" "A" "G" "A" "T" "A" "T" "C" "T" "T"
## [24769] "T" "T" "C" "A" "C" "G" "T" "C" "T" "T" " " "G" "A" "C" "A" "A" "A" "A" "G"
```

```
## [24787] "T" "T" "G" "A" "G" "C" "T" "G" "A" "A" "G" "T" "G" "C" "A" "A" "A"
  [24805] "T" "T" "G" "A" "T" "A" "G" "G" "T" "T" "G" "A" "T" "C" "A" "C" "A" "G"
## [24823] "G" "C" "A" "G" "A" "C" "T" "T" "C" "A" "A" "A" "G" "T" "T" "T" "G" "C"
## [24841] "A" "G" "A" "C" "A" "T" "A" "T" "G" " " "T" "G" "A" "C" "T" "C" "A" "A"
## [24859] "C" "A" "A" "T" "T" "A" "A" "T" "T" "A" "G" "A" "G" "C" "T" "G" "C" "A"
## [24877] "G" "A" "A" "A" "T" "C" "A" "G" "A" "G" "C" "T" "T" "C" "T" "G" "C" "T"
## [24913] "A" "T" "G" "T" "C" "A" "G" "A" " " "G" "T" "G" "T" "G" "T" "A" "C" "T"
  [24931] "T" "G" "G" "A" "C" "A" "A" "T" "C" "A" "A" "A" "A" "A" "A" "A" "A" "G" "T"
  [24949] "T" "G" "A" "T" "T" "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "A" "G" "G" "G"
  [24967] "C" "T" "A" "T" "C" "A" "T" "C" "T" "T" "A" "T" "G" "T" "C" "C" "T" "T"
## [24985] "C" "C" "C" "T" "C" "A" "G" " "T" "C" "A" "G" "C" "A" "C" "C" "T" "C"
  [25003] "A" "T" "G" "G" "T" "G" "T" "A" "G" "T" "C" "T" "T" "C" "T" "T" "G" "C"
## [25021] "A" "T" "G" "T" "G" "A" "C" "T" "T" "A" "T" "G" "T" "C" "C" "C" "T" "G"
## [25039] "C" "A" "C" "A" "A" "G" "A" "A" "A" "G" "A" "A" "C" "T" "T" "C" "A"
## [25057] "C" "A" "A" "C" "T" "G" " " "C" "T" "C" "C" "T" "G" "C" "C" "A" "T" "T"
  [25075]
          "T" "G" "T" "C" "A" "T" "G" "A" "T" "G" "G" "A" "A" "A" "A" "A" "G" "C" "A"
  [25093] "C" "A" "C" "T" "T" "T" "C" "C" "T" "C" "G" "T" "G" "A" "A" "G" "G" "T"
  [25111] "G" "T" "C" "T" "T" "T" "G" "T" "T" "T" "C" "A" "A" "A" "T" "G" "G" "C"
## [25129] "A" "C" "A" "C" "A" " "C" "T" "G" "G" "T" "T" "T" "T" "G" "T" "A" "A" "C"
## [25147] "A" "C" "A" "A" "A" "G" "G" "A" "A" "T" "T" "T" "T" "T" "A" "T" "G" "A"
## [25165] "A" "C" "C" "A" "C" "A" "A" "A" "T" "C" "A" "T" "T" "A" "C" "T" "A" "C"
## [25183] "A" "G" "A" "C" "A" "A" "C" "A" "C" "A" "T" "T" "T" "T" "G" "T" "G" "T" "C"
## [25201] "T" "G" "G" "T" " "A" "A" "C" "T" "G" "T" "G" "A" "T" "G" "T" "T" "G"
## [25219] "T" "A" "A" "T" "A" "G" "G" "A" "A" "T" "T" "G" "T" "C" "A" "A" "C" "A"
  [25237] "A" "C" "A" "C" "A" "G" "T" "T" "T" "A" "T" "G" "A" "T" "C" "C" "T" "T"
## [25255] "T" "G" "C" "A" "A" "C" "C" "T" "G" "A" "A" "T" "T" "A" "G" "A" "T" "T"
  [25273] "C" "A" "T" " " "T" "C" "A" "A" "G" "G" "A" "G" "G" "A" "G" "T" "T" "A"
## [25309] "C" "A" "T" "A" "C" "A" "T" "C" "A" "C" "C" "A" "G" "A" "T" "G" "T" "T"
## [25327] "G" "A" "T" "T" "T" "A" "G" "G" "T" "G" "A" "C" "A" "T" "C" "T" "C" "T"
          "G" "G" " " "C" "A" "T" "T" "A" "A" "T" "G" "C" "T" "T" "C" "A" "G" "T"
  [25345]
  [25363] "T" "G" "T" "A" "A" "A" "A" "C" "A" "T" "T" "C" "A" "A" "A" "A" "A" "A" "A" "G" "A"
  [25381] "A" "A" "T" "T" "G" "A" "C" "C" "G" "C" "C" "T" "C" "A" "A" "T" "G" "A"
## [25399] "G" "G" "T" "T" "G" "C" "C" "A" "A" "G" "A" "A" "T" "T" "T" "A" "A" "A" "A"
## [25417] "T" " " "G" "A" "A" "T" "C" "T" "C" "T" "C" "A" "T" "C" "G" "A" "T" "C"
## [25435] "T" "C" "C" "A" "A" "G" "A" "A" "C" "T" "T" "G" "G" "A" "A" "A" "G" "T"
## [25471] "G" "G" "C" "C" "A" "T" "G" "G" "T" "A" "C" "A" "T" "T" "T" "G" "G" "C"
## [25489] " " "T" "A" "G" "G" "T" "T" "T" "T" "A" "T" "A" "G" "C" "T" "G" "G" "C"
## [25507] "T" "T" "G" "A" "T" "T" "G" "C" "C" "A" "T" "A" "G" "T" "A" "A" "T" "G"
## [25525] "G" "T" "G" "A" "C" "A" "A" "T" "T" "A" "T" "G" "C" "T" "T" "T" "G" "C"
## [25543] "T" "G" "T" "A" "T" "G" "A" "C" "C" "A" "G" "T" "T" "G" "C" "T" "G" "
## [25561] "T" "A" "G" "T" "T" "G" "T" "C" "T" "C" "A" "A" "G" "G" "G" "C" "T" "G"
## [25579] "T" "T" "G" "T" "T" "C" "T" "G" "T" "G" "G" "A" "T" "C" "C" "T" "G"
## [25597] "C" "T" "G" "C" "A" "A" "A" "T" "T" "T" "G" "A" "T" "G" "A" "A" "A" "G" "A"
   [25615] "C" "G" "A" "C" "T" "C" "T" "G" "A" "G" "C" "C" "A" "G" "T" "G" " " "C"
  [25633] "T" "C" "A" "A" "A" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "T" "A" "C"
  [25651] "A" "T" "T" "A" "C" "A" "C" "A" "T" "A" "A" "A" "C" "G" "A" "A" "C" "T"
  [25669] "T" "A" "T" "G" "G" "A" "T" "T" "T" "G" "T" "T" "T" "A" "T" "G" "A" "G"
  [25687] "A" "A" "T" "C" "T" "T" "C" "A" "C" "A" "A" "T" "T" "G" "G" " " "A" "A"
## [25705] "C" "T" "G" "T" "A" "A" "C" "T" "T" "T" "G" "A" "A" "G" "C" "A" "A" "G"
## [25723] "G" "T" "G" "A" "A" "A" "T" "C" "A" "A" "G" "G" "A" "T" "G" "C" "T" "A"
## [25741] "C" "T" "C" "C" "T" "T" "C" "A" "G" "A" "T" "T" "T" "T" "T" "G" "T" "T" "C"
```

```
## [25759] "G" "C" "G" "C" "T" "A" "C" "T" "G" "C" "A" "A" "C" "G" " " "A" "T" "A"
   [25777] "C" "C" "G" "A" "T" "A" "C" "A" "A" "G" "C" "C" "T" "C" "A" "C" "T" "C"
  [25795] "C" "C" "T" "T" "T" "C" "G" "G" "A" "T" "G" "G" "C" "T" "T" "A" "T" "T"
  [25813] "G" "T" "T" "G" "G" "C" "G" "T" "T" "G" "C" "A" "C" "T" "T" "T" "C" "T"
## [25831] "G" "C" "T" "G" "T" "T" "T" "T" "T" "C" "A" "G" "A" " " "G" "C" "G" "C"
## [25849] "T" "T" "C" "C" "A" "A" "A" "A" "T" "C" "A" "T" "A" "A" "C" "T" "C" "T"
## [25867] "C" "A" "A" "A" "A" "A" "G" "A" "G" "A" "T" "G" "G" "C" "A" "A" "C" "T"
## [25885] "A" "G" "C" "A" "C" "T" "C" "T" "C" "A" "A" "G" "G" "G" "T" "G" "T"
  [25903] "T" "C" "A" "C" "T" "T" "T" "G" "T" "T" "T" "G" " " "C" "A" "A" "C" "T"
  [25939] "C" "A" "G" "T" "T" "T" "A" "C" "T" "C" "A" "C" "A" "C" "C" "T" "T" "T"
## [25957] "T" "G" "C" "T" "C" "G" "T" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "G" "C" "C"
  ## [25993] "T" "A" "T" "C" "T" "T" "A" "T" "G" "C" "T" "T" "T" "A" "G" "T" "C"
## [26011] "T" "A" "C" "T" "T" "C" "T" "T" "G" "C" "A" "G" "A" "G" "T" "A" "T" "A"
## [26029] "A" "A" "C" "T" "T" "T" "G" "T" "A" "A" "G" "A" "A" "T" "A" "A" "T" "A"
  [26047]
          "A" "T" "G" "A" "G" "G" "C" "T" "T" "T" " " "G" "G" "C" "T" "T" "T" "G"
  [26065] "C" "T" "G" "G" "A" "A" "A" "T" "G" "C" "C" "G" "T" "T" "C" "C" "A" "A"
  [26083] "A" "A" "A" "C" "C" "C" "A" "T" "T" "A" "C" "T" "T" "A" "T" "A" "T" "G" "A"
## [26101] "T" "G" "C" "C" "A" "A" "C" "T" "A" "T" "T" "T" "T" "T" "C" "T" "T" "T" "G"
## [26119] "C" "T" "G" "G" "C" "A" "T" "A" "C" " " "T" "A" "A" "A" "T" "T" "G" "T" "T"
## [26137] "A" "C" "G" "A" "C" "T" "A" "T" "T" "G" "T" "A" "T" "A" "C" "C" "T" "T"
## [26155] "A" "C" "A" "A" "T" "A" "G" "T" "G" "T" "A" "A" "C" "T" "T" "C" "T" "T"
  [26173] "C" "A" "A" "T" "T" "G" "T" "C" "A" "T" "T" "A" "C" "T" "T" "C" "A" "G"
  [26191] "G" "T" "G" "A" "T" "G" "G" "C" " " "A" "C" "A" "A" "C" "A" "A" "G" "T"
  [26209] "C" "C" "T" "A" "T" "T" "T" "C" "T" "G" "A" "A" "C" "A" "T" "G" "A" "C"
## [26227] "T" "A" "C" "C" "A" "G" "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "T"
  [26245] "A" "C" "T" "G" "A" "A" "A" "A" "A" "T" "G" "G" "G" "A" "A" "T" "C" "T"
## [26263] "G" "G" "A" "G" "T" "A" "A" " "A" "G" "A" "C" "T" "G" "T" "G" "T"
## [26281] "T" "G" "T" "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "C" "T" "T"
## [26299] "C" "A" "C" "T" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T" "A" "C" "C" "A"
          "G" "C" "T" "G" "T" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "A" "A" "T" "T"
  [26317]
  [26335] "G" "A" "G" "T" "A" "C" " " "A" "G" "A" "C" "A" "C" "T" "G" "G" "T" "G"
  [26353] "T" "T" "G" "A" "A" "C" "A" "T" "G" "T" "T" "A" "C" "C" "T" "T" "C" "T"
          "T" "C" "A" "T" "C" "T" "A" "C" "A" "A" "T" "A" "A" "A" "A" "A" "T" "G"
## [26371]
          "T" "T" "G" "A" "T" "G" "A" "G" "C" "C" "T" "G" "A" "A" "G" "A" "A" "C"
## [26389]
## [26407] "A" "T" "G" "T" "C" " " "C" "A" "A" "T" "T" "C" "A" "C" "A" "C" "A"
## [26425] "A" "T" "C" "G" "A" "C" "G" "G" "T" "T" "C" "A" "T" "C" "C" "G" "G" "A"
## [26443] "G" "T" "T" "G" "T" "T" "A" "A" "T" "C" "C" "A" "G" "T" "A" "A" "T" "G"
  [26461] "G" "A" "A" "C" "C" "A" "A" "T" "T" "T" "A" "T" "G" "A" "T" "G" "A" "A" "A"
##
  [26479] "C" "C" "G" "A" " " "C" "G" "A" "C" "G" "A" "C" "T" "A" "C" "T" "A" "G"
## [26497] "C" "G" "T" "G" "C" "C" "T" "T" "T" "G" "T" "A" "A" "G" "C" "A" "C" "A"
  [26515] "A" "G" "C" "T" "G" "A" "T" "G" "A" "G" "T" "A" "C" "G" "A" "A" "C" "T"
## [26533] "T" "A" "T" "G" "T" "A" "C" "T" "C" "A" "T" "T" "C" "G" "T" "T" "T" "C"
## [26551] "G" "G" "A" " "A" "G" "A" "G" "A" "T" "A" "G" "G" "T" "A" "C" "G" "T"
## [26569] "T" "A" "A" "T" "A" "G" "T" "T" "A" "A" "T" "A" "G" "C" "G" "T" "A" "C"
          "T" "T" "C" "T" "T" "T" "T" "T" "T" "G" "C" "T" "T" "G" "C" "T" "T" "T" "G" "G"
   [26587]
  [26605] "T" "G" "G" "T" "A" "T" "T" "C" "T" "T" "G" "C" "T" "A" "G" "T" "A"
  [26623] "C" "A" " " "C" "T" "A" "G" "C" "C" "A" "T" "C" "C" "T" "T" "A" "C" "T"
  [26641] "G" "C" "G" "C" "T" "T" "C" "G" "A" "T" "T" "G" "T" "G" "T" "G" "C" "G"
          "T" "A" "C" "T" "G" "C" "T" "G" "C" "A" "A" "T" "A" "T" "T" "G" "T" "T"
  [26659]
## [26677] "A" "A" "C" "G" "T" "G" "A" "G" "T" "C" "T" "T" "G" "T" "A" "A" "A" "A" "A"
## [26713] "C" "T" "C" "T" "C" "G" "T" "G" "T" "T" "A" "A" "A" "A" "A" "A" "T" "C" "T"
```

```
## [26731] "G" "A" "A" "T" "T" "C" "T" "T" "C" "T" "A" "G" "A" "G" "T" "T" "C" "C"
  [26749] "T" "G" "A" "T" "C" "T" "C" "T" "G" "G" "T" "C" "T" "A" "A" "A" "C"
  [26785] "A" "G" "T" "T" "T" "T" "T" "C" "T" "G" "T" "T" "T" "G" "G" "A" "A" "C"
## [26803] "T" "T" "A" "A" "T" "T" "T" "T" "A" "G" "C" "C" "A" "T" "G" "G" "C"
## [26821] "A" "G" "G" "T" "T" "C" "C" "A" "A" "C" "G" "G" "T" "A" "C" "T" "A" "
## [26839] "T" "T" "A" "C" "C" "G" "T" "T" "G" "A" "A" "G" "A" "G" "C" "T" "T" "A"
## [26857] "A" "A" "A" "A" "G" "C" "T" "C" "C" "T" "T" "G" "A" "A" "G" "A" "A" "T"
  [26875] "G" "G" "A" "A" "C" "C" "T" "A" "G" "T" "A" "A" "A" "T" "A" "G" "T" "T"
  [26893] "T" "C" "C" "T" "A" "T" "T" "C" "C" "T" "T" "A" "C" "A" "T" "G" " " "G"
  [26911] "A" "T" "T" "T" "G" "T" "C" "T" "T" "C" "T" "A" "C" "A" "A" "T" "T" "T"
## [26929] "G" "C" "C" "T" "A" "T" "G" "C" "C" "A" "A" "C" "A" "G" "G" "A" "A" "T"
## [26965] "A" "A" "G" "T" "T" "A" "A" "T" "T" "T" "T" "C" "C" "T" "C" " " "T" "G"
## [26983] "G" "C" "T" "G" "T" "A" "T" "G" "G" "C" "C" "A" "G" "T" "A" "A" "C"
## [27001] "T" "T" "A" "A" "C" "T" "T" "G" "T" "T" "T" "T" "G" "T" "G" "T" "G" "T"
  [27019] "T" "G" "C" "T" "G" "C" "T" "G" "T" "T" "T" "A" "C" "A" "G" "A" "A" "T"
## [27037] "A" "A" "A" "T" "T" "G" "G" "A" "T" "C" "A" "C" "C" "G" " " "G" "T" "G"
## [27055] "G" "A" "A" "T" "T" "G" "C" "T" "A" "T" "C" "G" "C" "A" "A" "T" "G" "G"
## [27073] "C" "T" "T" "G" "T" "C" "T" "T" "G" "T" "A" "G" "G" "C" "T" "T" "G" "A"
## [27091] "T" "G" "T" "G" "C" "T" "C" "A" "G" "C" "T" "A" "C" "T" "A" "C" "T" "T" "C" "A"
## [27109] "T" "T" "G" "C" "T" "T" "C" "T" "T" "C" "A" "G" " " "A" "C" "T" "G"
## [27127] "T" "T" "T" "G" "C" "G" "C" "G" "T" "A" "C" "G" "C" "G" "T" "T" "C" "C"
## [27145] "A" "T" "G" "T" "G" "G" "T" "C" "A" "T" "T" "C" "A" "A" "T" "C" "C" "A"
## [27163] "G" "A" "A" "A" "C" "T" "A" "A" "C" "A" "T" "T" "C" "T" "T" "C" "T" "C"
  [27181] "A" "A" "C" "G" "T" "G" "C" "C" "A" "C" "T" "C" " " "C" "A" "T" "G" "G"
## [27199] "C" "A" "C" "T" "A" "T" "T" "C" "T" "G" "A" "C" "C" "A" "G" "A" "C" "C"
## [27217] "G" "C" "T" "T" "C" "T" "A" "G" "A" "A" "G" "T" "G" "A" "A" "C" "T"
## [27235] "C" "G" "T" "A" "A" "T" "C" "G" "G" "A" "G" "C" "T" "G" "T" "G" "A" "T"
## [27253] "C" "C" "T" "T" "C" "G" "T" "G" "G" "A" "C" " " "A" "T" "C" "T" "T" "C"
## [27271] "G" "T" "A" "T" "T" "G" "C" "T" "G" "G" "A" "C" "A" "C" "A" "T" "C"
## [27289] "T" "A" "G" "G" "A" "C" "G" "C" "T" "G" "T" "G" "A" "C" "A" "T" "C" "A"
## [27307] "A" "G" "G" "A" "C" "C" "T" "G" "C" "C" "T" "A" "A" "A" "G" "A" "A" "A" "A"
## [27325] "T" "C" "A" "C" "T" "G" "T" "G" "C" " " "T" "A" "C" "A" "T" "C" "A"
## [27343] "C" "G" "A" "A" "C" "G" "C" "T" "T" "T" "C" "T" "T" "A" "T" "T" "A" "C"
## [27361] "A" "A" "A" "T" "T" "G" "G" "G" "G" "C" "T" "T" "C" "G" "C" "A" "G"
## [27379] "C" "G" "T" "G" "T" "A" "G" "C" "A" "G" "G" "T" "G" "A" "C" "T" "C" "A"
## [27397] "G" "G" "T" "T" "T" "T" "G" "C" "T" " " "G" "C" "A" "T" "A" "C" "A" "G"
## [27415] "T" "C" "G" "C" "T" "A" "C" "A" "G" "G" "A" "T" "T" "G" "G" "C" "A" "A"
## [27451] "C" "C" "A" "T" "T" "C" "C" "A" "G" "T" "A" "G" "C" "A" "G" "T" "G" "A"
## [27469] "C" "A" "A" "T" "A" "T" "G" " " "C" "T" "T" "G" "C" "T" "T" "G"
## [27487] "T" "A" "C" "A" "G" "T" "A" "G" "T" "G" "A" "C" "A" "A" "C" "A" "G"
## [27505] "A" "T" "G" "T" "T" "C" "A" "T" "C" "T" "C" "G" "T" "T" "G" "A" "C"
## [27523] "T" "T" "C" "A" "G" "G" "T" "T" "A" "C" "T" "A" "T" "A" "G" "C" "A"
## [27541] "G" "A" "G" "A" "T" "A" "T" " "T" "A" "C" "T" "A" "A" "T" "T" "A" "T"
  [27559] "T" "A" "T" "G" "C" "G" "G" "A" "C" "T" "T" "T" "T" "A" "A" "A" "A" "G" "T"
## [27577] "T" "T" "C" "C" "A" "T" "T" "G" "G" "A" "A" "A" "T" "C" "T" "T" "G" "A"
  [27595] "T" "T" "A" "C" "A" "T" "C" "A" "T" "A" "A" "A" "C" "C" "T" "C" "A" "T"
## [27631] "A" "G" "T" "C" "A" "C" "T" "A" "C" "T" "G" "A" "G" "A" "A" "T" "A"
## [27649] "A" "A" "T" "A" "T" "T" "C" "T" "C" "A" "A" "T" "T" "A" "G" "A" "T" "G"
## [27667] "A" "A" "G" "A" "G" "C" "A" "A" "C" "C" "A" "A" "T" "G" "G" "A" "G" "A"
## [27685] "T" "T" "G" "A" "T" " "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "T" "G"
```

```
[27721] "G" "C" "A" "C" "T" "G" "A" "T" "A" "A" "C" "A" "C" "T" "C" "G" "C" "T"
## [27739] "A" "C" "T" "T" "G" "T" "G" "A" "G" "C" "T" "T" "T" "A" "T" "C" "A" "C"
  [27757] "T" "A" "C" "C" " " "A" "A" "G" "A" "G" "T" "G" "T" "G" "T" "G" "T" "A" "G"
## [27775] "A" "G" "G" "T" "A" "C" "A" "A" "C" "A" "G" "T" "A" "C" "T" "T" "T" "T"
## [27793] "A" "A" "A" "A" "G" "A" "A" "C" "C" "T" "T" "G" "C" "T" "C" "T" "T" "C"
## [27811] "T" "G" "G" "A" "A" "C" "A" "T" "A" "C" "G" "A" "G" "G" "G" "C" "A" "A"
## [27829] "T" "T" "C" " " "A" "C" "C" "A" "T" "T" "C" "A" "T" "C" "C" "T" "C"
## [27865] "C" "A" "C" "T" "G" "A" "C" "T" "T" "G" "C" "T" "T" "T" "A" "G" "C" "A"
  [27883] "C" "T" "C" "A" "A" "T" "T" "T" "G" "C" "T" "T" "T" "T" "T" "G" "C" "T" "T"
## [27901] "G" "T" " "C" "C" "T" "G" "A" "C" "G" "G" "C" "G" "T" "A" "A" "A" "A" "A"
  [27919] "C" "A" "C" "G" "T" "C" "T" "A" "T" "C" "A" "G" "T" "T" "A" "C" "G" "T"
## [27937] "G" "C" "C" "A" "G" "A" "T" "C" "A" "G" "T" "T" "T" "C" "A" "C" "C" "T"
## [27955] "A" "A" "A" "C" "T" "G" "T" "C" "A" "T" "C" "A" "G" "A" "G" "A" "C" "A" "A" "A"
## [27973] "G" " "A" "G" "G" "A" "A" "G" "T" "T" "C" "A" "A" "G" "A" "A" "C" "T"
  [27991]
         "T" "T" "A" "C" "T" "C" "T" "C" "C" "A" "A" "T" "T" "T" "T" "T" "T" "C" "T"
  [28009] "T" "A" "T" "T" "G" "T" "T" "G" "C" "G" "G" "C" "A" "A" "T" "A" "G" "T"
## [28027] "G" "T" "T" "A" "A" "A" "A" "C" "A" "C" "T" "T" "T" "G" "C" "T" "T"
## [28063] "C" "A" "G" "A" "A" "T" "G" "A" "T" "G" "A" "A" "A" "C" "T" "T" "C"
## [28081] "A" "T" "T" "A" "A" "T" "T" "G" "A" "C" "T" "T" "C" "T" "A" "T" "T" "T"
## [28099] "G" "T" "G" "C" "T" "T" "T" "T" "A" "G" "C" "C" "T" "T" "T" "C" " "
## [28117] "T" "G" "T" "T" "A" "T" "T" "C" "C" "T" "T" "G" "T" "T" "T" "T" "T" "A" "A"
  [28135] "T" "T" "A" "T" "G" "C" "T" "T" "A" "T" "A" "T" "C" "T" "T" "T" "T"
##
  [28153] "G" "G" "T" "T" "C" "T" "C" "A" "C" "T" "T" "G" "A" "A" "C" "T" "G" "C"
## [28171] "A" "A" "G" "A" "T" "C" "A" "T" "A" "A" "T" "G" "A" "A" "A" "A" "C" " " "T"
  [28189] "T" "G" "T" "C" "A" "C" "G" "C" "C" "T" "A" "A" "A" "A" "C" "G" "A" "A" "C"
## [28207] "A" "T" "G" "A" "A" "A" "T" "T" "T" "C" "T" "T" "G" "T" "T" "T" "T" "C"
## [28225] "T" "T" "A" "G" "G" "A" "A" "T" "C" "A" "T" "C" "A" "C" "A" "A" "C" "A" "C" "T"
## [28243] "G" "T" "A" "G" "C" "T" "G" "C" "A" "T" "T" "T" "C" "A" "C" " " "C" "A"
  [28261] "A" "G" "A" "A" "T" "G" "T" "A" "G" "T" "T" "A" "G" "T" "A" "G" "T" "C"
## [28279] "A" "T" "G" "T" "A" "C" "T" "C" "A" "A" "C" "A" "T" "C" "A" "A" "C" "C"
## [28297] "A" "T" "A" "T" "G" "T" "A" "G" "T" "G" "A" "T" "G" "A" "C" "C" "C"
## [28315] "G" "T" "G" "T" "C" "C" "T" "A" "T" "T" "C" "A" "C" "T" " "T" "C" "T"
## [28333] "A" "T" "T" "C" "T" "A" "A" "A" "G" "G" "T" "A" "T" "A" "T" "T" "A"
## [28351] "G" "A" "G" "T" "A" "G" "G" "A" "G" "C" "T" "A" "G" "A" "A" "A" "A" "A" "T"
## [28369] "C" "A" "G" "C" "A" "C" "C" "T" "T" "T" "A" "A" "T" "T" "G" "A" "A" "T"
## [28387] "T" "G" "T" "G" "C" "G" "T" "G" "G" "A" "T" "G" "A" " " " "G" "G" "C" "T"
## [28405] "G" "G" "T" "T" "C" "T" "A" "A" "A" "T" "C" "A" "C" "C" "C" "A" "T" "T"
## [28423] "C" "A" "G" "T" "A" "C" "A" "T" "C" "G" "A" "T" "A" "T" "C" "G" "G" "T"
## [28441] "A" "A" "T" "T" "A" "T" "A" "C" "A" "G" "T" "T" "T" "C" "C" "T" "G" "T"
## [28459] "T" "T" "A" "C" "C" "T" "T" "T" "A" "C" "A" " " "A" "T" "T" "A" "A"
## [28477] "T" "T" "G" "C" "C" "A" "G" "G" "A" "A" "C" "C" "T" "A" "A" "A" "T" "T"
## [28495] "G" "G" "G" "T" "A" "G" "T" "C" "T" "T" "G" "T" "A" "G" "T" "G" "C" "G"
## [28513] "T" "T" "G" "T" "T" "C" "G" "T" "T" "C" "T" "A" "T" "G" "A" "A" "G" "A"
          "C" "T" "T" "T" "T" "T" "A" "G" "A" "G" "T" " "A" "T" "C" "A" "T" "G"
  [28531]
  [28567] "A" "T" "T" "T" "C" "A" "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "A" "C" "G" "A" "A" "C" "A"
## [28585] "A" "A" "C" "T" "T" "A" "A" "A" "T" "G" "T" "C" "T" "G" "A" "T" "A" "A"
         [28603]
## [28621] "G" "A" "A" "A" "T" "G" "C" "A" "C" "T" "C" "C" "G" "C" "A" "T" "T" "A"
## [28639] "C" "G" "T" "T" "T" "G" "G" "T" "G" "G" "A" "C" "C" "C" "T" "C" "A" "G"
## [28657] "A" "T" "T" "C" "A" "A" "C" "T" "G" "G" "C" "A" "G" "T" "A" "A" "C" "C"
```

```
## [28675] "A" "G" "A" "A" "T" "G" "G" "T" "G" " "G" "G" "G" "C" "G" "C" "G" "A"
   [28693] "T" "C" "A" "A" "A" "A" "C" "A" "A" "C" "G" "T" "C" "G" "G" "C" "C"
  [28711] "C" "A" "A" "G" "G" "T" "T" "T" "A" "C" "C" "C" "A" "A" "T" "A" "A" "T"
  [28729] "A" "C" "T" "G" "C" "G" "T" "C" "T" "T" "G" "G" "T" "T" "C" "A" "C" "A" "C" "C"
## [28747] "G" "C" "T" "C" "T" "C" "A" "C" " "T" "C" "A" "A" "C" "A" "A" "C" "A" "T" "G" "G"
## [28765] "C" "A" "A" "G" "G" "A" "A" "G" "C" "T" "T" "A" "A" "A" "A" "T" "T"
## [28783] "C" "C" "C" "T" "C" "G" "A" "G" "G" "A" "A" "G" "G" "G" "T"
## [28801] "T" "C" "C" "A" "A" "T" "T" "A" "A" "C" "A" "C" "A" "A" "T" "A" "G"
  [28819] "C" "A" "G" "T" "C" "C" "A" " "G" "A" "T" "G" "A" "C" "C" "A" "A" "A" "A"
  [28837] "T" "T" "G" "G" "C" "T" "A" "C" "T" "A" "C" "C" "G" "A" "A" "G" "A" "G"
  [28855] "C" "T" "A" "C" "C" "A" "G" "A" "C" "G" "A" "A" "T" "T" "C" "G" "T" "G"
## [28873] "G" "T" "G" "G" "T" "G" "A" "C" "G" "G" "T" "A" "A" "A" "A" "A" "T" "G" "A"
## [28891] "A" "A" "G" "A" "T" "C" " " "T" "C" "A" "G" "T" "C" "C" "A" "A" "G" "A"
## [28909] "T" "G" "G" "T" "A" "T" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A"
## [28927] "G" "G" "A" "A" "C" "T" "G" "G" "G" "C" "C" "A" "G" "A" "A" "G" "C" "T"
## [28945] "G" "G" "A" "C" "T" "T" "C" "C" "C" "T" "A" "T" "G" "G" "T" "G" "C" "T"
  [28963]
         "A" "A" "C" "A" "A" "A" " "A" "G" "A" "C" "G" "G" "C" "A" "T" "C" "A" "T"
  [28981] "A" "T" "G" "G" "G" "T" "T" "G" "C" "A" "A" "C" "T" "G" "A" "G" "G" "G"
  [28999] "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "A" "C" "A" "C" "A" "A" "A" "A"
## [29017] "A" "G" "A" "T" "C" "A" "C" "A" "T" "T" "G" "G" "C" "A" "C" "C" "C" "G"
## [29035] "C" "A" "A" "T" " " "C" "C" "T" "G" "C" "T" "A" "A" "C" "A" "A" "A" "T" "G"
## [29053] "C" "T" "G" "C" "A" "A" "T" "C" "G" "T" "G" "C" "T" "A" "C" "A" "A" "C"
## [29071] "T" "T" "C" "C" "T" "C" "A" "A" "G" "G" "A" "A" "C" "A" "A" "C" "A" "T"
## [29089] "T" "G" "C" "C" "A" "A" "A" "A" "G" "G" "C" "T" "T" "C" "T" "A" "C" "G"
[29125] "G" "G" "C" "A" "G" "T" "C" "A" "G" "C" "C" "C" "T" "C" "T" "C" "T"
## [29143] "C" "G" "T" "T" "C" "C" "T" "C" "A" "T" "C" "A" "C" "G" "T" "A" "G" "T"
  [29161] "C" "G" "C" "A" "A" "C" "A" "G" "T" "T" "C" "A" "A" "G" "A" "A" "A" "A" "T"
## [29179] "T" "C" " "A" "A" "C" "T" "C" "C" "A" "G" "G" "C" "A" "G" "C" "A" "G"
## [29197] "T" "A" "A" "A" "C" "G" "A" "A" "C" "T" "T" "C" "T" "C" "C" "T" "G" "C"
## [29215] "T" "A" "G" "A" "A" "T" "G" "G" "C" "T" "G" "G" "C" "A" "A" "T" "G" "G"
  [29233] "C" "G" "G" "T" "G" "A" "T" "G" "C" "T" "G" "C" "T" "G" "C"
## [29251] "T" " "T" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "T" "G" "A" "C" "A"
## [29269] "G" "A" "T" "T" "G" "A" "A" "C" "C" "A" "G" "C" "T" "T" "G" "A" "G" "A"
## [29287] "G" "C" "A" "A" "A" "A" "T" "G" "T" "C" "T" "G" "G" "T" "A" "A" "A" "G"
## [29323] " " "A" "A" "A" "C" "T" "G" "T" "C" "A" "C" "T" "A" "A" "G" "A" "A" "A" "A"
## [29341] "T" "C" "T" "G" "C" "T" "G" "C" "T" "G" "A" "G" "G" "C" "T" "T" "C" "T"
## [29359] "A" "A" "G" "A" "A" "G" "C" "C" "T" "C" "G" "G" "C" "A" "A" "A" "A" "A" "A"
## [29377] "C" "G" "T" "A" "C" "T" "G" "C" "C" "A" "C" "T" "A" "A" "A" "G" "C" "
## [29395] "A" "T" "A" "C" "A" "A" "T" "G" "T" "A" "A" "C" "A" "C" "A" "A" "G" "C"
## [29413] "T" "T" "T" "C" "G" "G" "G" "A" "G" "A" "C" "G" "T" "G" "G" "T" "C" "C"
## [29449] "T" "T" "T" "T" "G" "G" "G" "G" "C" "A" "C" "C" "A" "G" "G" "A" "A" " " " " "C"
## [29467] "T" "A" "A" "T" "C" "A" "G" "A" "C" "A" "A" "G" "G" "A" "A" "C" "T" "G"
## [29485] "A" "T" "T" "A" "C" "A" "A" "C" "A" "T" "T" "G" "G" "C" "C" "G" "C"
  [29503] "A" "A" "A" "T" "T" "G" "C" "A" "C" "A" "A" "T" "T" "T" "G" "C" "C" "C"
  [29521] "C" "C" "A" "G" "C" "G" "C" "T" "T" "C" "A" "G" "C" "G" "T" " "T" "C"
  [29539] "T" "T" "C" "G" "G" "A" "A" "T" "G" "T" "C" "G" "C" "G" "C" "A" "T" "T"
## [29557] "G" "G" "C" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "C" "A" "C" "C" "T"
          "T" "C" "G" "G" "G" "A" "A" "C" "G" "T" "G" "G" "T" "T" "G" "A" "C" "C"
  [29575]
## [29593] "T" "A" "C" "A" "C" "A" "G" "G" "T" "G" "C" "C" "A" "T" " " "C" "A" "A"
## [29611] "A" "T" "T" "G" "G" "A" "T" "G" "A" "C" "A" "A" "A" "A" "G" "A" "T" "C" "C"
## [29629] "A" "A" "A" "T" "T" "T" "C" "A" "A" "A" "G" "A" "T" "C" "A" "A" "G" "T"
```

```
## [29647] "C" "A" "T" "T" "T" "T" "G" "C" "T" "G" "A" "A" "T" "A" "A" "G" "C" "A"
  [29665] "T" "A" "T" "T" "G" "A" "C" "G" "C" "A" "T" "A" "C" " "A" "A" "A" "A" "A"
## [29683] "C" "A" "T" "T" "C" "C" "C" "A" "C" "A" "A" "C" "A" "G" "A" "G" "C"
## [29701] "C" "T" "A" "A" "A" "A" "A" "G" "G" "G" "A" "C" "A" "A" "A" "A" "A" "A" "G" "A"
## [29719] "A" "G" "A" "A" "G" "G" "C" "T" "G" "A" "T" "G" "A" "A" "A" "A" "C" "T" "C"
## [29737] "A" "A" "G" "C" "C" "T" "T" "A" "C" "C" "G" "C" " " " "A" "G" "A" "G" "A"
## [29755] "C" "A" "G" "A" "A" "G" "A" "A" "G" "A" "G" "C" "A" "G" "C" "A" "A" "A" "A" "C" "T"
## [29773] "G" "T" "G" "A" "C" "T" "C" "T" "C" "T" "T" "C" "T" "C" "T" "G" "C" "T"
## [29791] "G" "C" "A" "G" "A" "T" "T" "T" "G" "G" "A" "T" "G" "A" "T" "T" "T" "C"
## [29809] "T" "C" "C" "A" "A" "A" "C" "A" "A" "T" "T" " " "G" "C" "A" "A" "C" "A"
## [29827] "A" "T" "C" "C" "A" "T" "G" "A" "G" "C" "A" "G" "T" "G" "C" "T" "G" "A"
## [29845] "C" "T" "C" "A" "A" "C" "T" "C" "A" "G" "G" "C" "C" "T" "A" "A" "A" "C"
## [29863] "T" "C" "A" "T" "G" "C" "A" "G" "C" "A" "C" "A" "C" "A" "C" "A" "G"
## [29881] "G" "C" "A" "G" "A" "T" "G" "G" "G" "C" " " "T" "A" "T" "A" "T" "A" "A"
## [29899] "A" "C" "G" "T" "T" "T" "T" "C" "G" "C" "T" "T" "T" "T" "C" "C" "G" "T"
## [29917] "T" "T" "A" "C" "G" "A" "T" "A" "T" "A" "T" "A" "G" "T" "C" "T" "A" "C"
## [29935] "T" "C" "T" "T" "G" "T" "G" "C" "A" "G" "A" "A" "T" "G" "A" "A" "T" "T"
## [29953] "C" "T" "C" "G" "T" "A" "A" "C" "T" " "A" "C" "A" "T" "A" "G" "C" "A"
## [29971] "C" "A" "A" "G" "T" "A" "G" "A" "T" "G" "T" "A" "G" "T" "A" "A" "C"
## [29989] "T" "T" "A" "A" "T" "C" "T" "C" "A" "C" "A" "T" "A" "G" "C" "A" "A"
## [30007] "T" "C" "T" "T" "T" "A" "A" "T" "C" "A" "G" "T" "G" "T" "G" "T" "A" "A" "A"
## [30025] "C" "A" "T" "T" "A" "G" "G" "G" " " "A" "G" "G" "A" "C" "T" "T" "G" "A"
## [30043] "A" "A" "G" "A" "G" "C" "C" "A" "C" "C" "A" "C" "A" "T" "T" "T" "T" "T" "C"
## [30061] "A" "C" "C" "G" "A" "G" "G" "C" "C" "A" "C" "G" "C" "G" "G" "A" "G" "T"
## [30079] "A" "C" "G" "A" "T" "C" "G" "A" "G" "T" "G" "T" "A" "C" "A" "G" "T" "G"
## [30097] "A" "A" "C" "A" "A" "T" "G" " " "C" "T" "A" "G" "G" "G" "A" "G" "A" "G"
## [30115] "C" "T" "G" "C" "C" "T" "A" "T" "A" "T" "G" "G" "A" "A" "G" "A" "G" "C"
## [30151] "T" "T" "T" "T" "A" "G" "T" "A" "G" "T" "G" "C" "T" "A" "T" "C" "C" " "
print(paste("Longitud de secuencia"))
## [1] "Longitud de secuencia"
lengthOmicron
## [1] 30168
print(paste("Porcentaje de GC en secuencia"))
## [1] "Porcentaje de GC en secuencia"
percentageGC_Omicron
## [1] "GC : 36.9563776186688%"
print(paste("Porcentaje de Bases en secuencia"))
## [1] "Porcentaje de Bases en secuencia"
percentageBasesOmicron
## [1] 29.90833 18.35872 19.63671 32.09624
print("Secuencia al reves")
## [1] "Secuencia al reves"
print(reverseOmicron)
```

```
[1] " " "C" "C" "T" "A" "T" "C" "G" "T" "G" "A" "T" "G" "A" "T" "T" "T" "T"
##
      [19] "A" "A" "T" "T" "A" "A" "A" "A" "T" "G" "T" "G" "T" "A" "A" "T" "C"
##
      [37] "C" "G" "A" "G" "A" "A" "G" "G" "T" "A" "T" "A" "T" "C" "C" "C" "G" "T" "C"
##
##
      [55] "G" "A" "G" "A" "G" "G" "G" "A" "T" "C" " " "G" "T" "A" "A" "C" "A" "A"
      [73] "G" "T" "G" "A" "C" "A" "T" "G" "T" "G" "A" "G" "C" "T" "A" "G" "C" "A"
##
      [91] "T" "G" "A" "G" "C" "C" "G" "C" "A" "C" "G" "G" "A" "G" "C" "C" "A"
##
     [109] "C" "T" "T" "T" "T" "A" "C" "A" "C" "A" "C" "C" "A" "C" "G" "A" "G" "A" "A"
##
     [127] "A" "G" "T" "T" "C" "A" "G" "G" "A" " " "G" "G" "G" "A" "T" "T" "A" "C"
##
     [145] "A" "A" "T" "G" "T" "G" "T" "G" "A" "C" "T" "A" "A" "T" "T" "T" "T" "C" "T"
##
     [163] "A" "A" "C" "G" "A" "T" "A" "C" "A" "C" "T" "C" "T" "A" "A" "T" "T" "T"
##
     [181] "C" "A" "A" "T" "T" "G" "A" "T" "G" "T" "A" "G" "A" "T" "G" "A" "A" "C"
     [199] "A" "C" "G" "A" "T" "A" "C" "A" " "T" "C" "A" "A" "T" "G" "C" "T" "C"
##
     [217] "T" "T" "A" "A" "G" "T" "A" "A" "G" "A" "C" "G" "T" "G" "T" "T" "C" "T"
##
     [235] "C" "A" "T" "C" "T" "G" "A" "T" "A" "T" "A" "T" "A" "G" "C" "A" "T" "T"
##
##
     [253] "T" "G" "C" "C" "T" "T" "T" "T" "C" "G" "C" "T" "T" "T" "T" "G" "C" "A"
     [271] "A" "A" "T" "A" "T" "A" "T" " " "C" "G" "G" "G" "T" "A" "G" "A" "C" "G"
##
##
     [289] "G" "A" "A" "C" "A" "C" "A" "C" "A" "G" "A" "G" "A" "C" "G" "T" "A" "C" "T"
     [307] "C" "A" "A" "A" "T" "C" "C" "G" "G" "A" "C" "T" "C" "A" "A" "C" "T" "C"
##
     [325] "A" "G" "T" "C" "G" "T" "G" "A" "C" "G" "A" "G" "T" "A" "C" "C" "T" "A"
##
     [343] "A" "C" "A" "A" "C" "G" " " "T" "T" "A" "A" "C" "A" "A" "A" "C" "C" "T"
##
     [361] "C" "T" "T" "T" "A" "G" "T" "A" "G" "G" "T" "T" "T" "A" "G" "A" "C" "G"
##
     [379] "T" "C" "G" "T" "C" "C" "T" "T" "C" "T" "T" "C" "T" "C" "A" "G" "T" "G"
##
     [397] "T" "C" "A" "A" "A" "C" "G" "A" "C" "A" "A" "A" "G" "A" "A" "G" "A" "C"
##
     [415] "A" "G" "A" "G" "A" " " "C" "G" "C" "C" "A" "T" "T" "C" "C" "G" "A" "A"
##
     [433] "C" "T" "C" "A" "A" "A" "G" "T" "A" "G" "T" "C" "G" "G" "A" "A" "A" "G" "A"
##
     [451] "A" "G" "A" "A" "A" "A" "A" "C" "A" "G" "G" "A" "A" "A" "A" "A" "A" "T" "C"
     [469] "C" "G" "A" "G" "A" "C" "A" "C" "C" "A" "C" "C" "C" "T" "T" "A" "C"
##
     [487] "A" "A" "A" "A" " " " "C" "A" "T" "A" "C" "G" "C" "A" "G" "T" "T" "A" "T"
##
     [505] "A" "C" "G" "A" "A" "A" "A" "A" "G" "T" "C" "G" "T" "T" "T" "T" "A" "C"
##
     [523] "T" "G" "A" "A" "C" "T" "A" "G" "A" "A" "A" "C" "T" "T" "T" "A" "A" "A" "A"
     [541] "C" "C" "T" "A" "G" "A" "A" "A" "C" "A" "G" "T" "A" "G" "G" "T" "T" "A"
##
     [559] "A" "A" "C" " " "T" "A" "C" "C" "G" "T" "G" "G" "A" "C" "A" "C" "A" "T"
##
     [577] "C" "C" "A" "G" "T" "T" "G" "G" "T" "G" "C" "A" "A" "G" "G" "G" "C" "T"
##
     [595] "T" "C" "C" "A" "C" "A" "C" "T" "G" "A" "A" "G" "G" "T" "A" "C" "G" "G"
##
     [613] "T" "T" "A" "C" "G" "C" "G" "C" "T" "G" "T" "A" "A" "G" "G" "C" "T" "T"
##
     [631] "C" "T" " " "T" "G" "C" "G" "A" "C" "T" "T" "C" "G" "C" "G" "A" "C" "C"
##
     [649] "C" "C" "C" "G" "T" "T" "T" "A" "A" "C" "A" "C" "G" "T" "T" "A" "A" "A" "A"
##
##
     [667] "C" "G" "C" "C" "G" "G" "T" "T" "A" "C" "A" "A" "A" "A" "C" "A" "T" "T" "A"
     [685] "G" "T" "C" "A" "A" "G" "G" "A" "A" "C" "A" "G" "A" "C" "T" "A" "A" "T"
##
     [703] "C" " " "A" "A" "G" "G" "A" "C" "C" "A" "G" "G" "G" "G" "T" "T" "T" "T"
##
     ##
     [739] "C" "C" "T" "G" "G" "T" "G" "C" "A" "G" "A" "C" "G" "G" "C" "T" "T" "T"
##
     [757] "C" "G" "A" "A" "C" "A" "C" "A" "T" "G" "T" "A" "A" "A" "C" "A" "T" "A"
##
     [775] " " "C" "G" "A" "A" "A" "T" "C" "A" "C" "C" "G" "T" "C" "A" "T" "G" "C"
##
     [793] "A" "A" "A" "A" "A" "C" "G" "G" "C" "T" "C" "C" "G" "A" "A" "G" "A" "A" "A"
##
     [811] "T" "C" "T" "T" "C" "G" "G" "A" "G" "T" "C" "G" "T" "C" "G" "T" "C" "T"
##
     [829] "A" "A" "A" "G" "A" "A" "T" "C" "A" "C" "T" "G" "T" "C" "A" "A" "A" "A" "
##
     ##
     [865] "G" "A" "A" "A" "T" "G" "G" "T" "C" "T" "G" "T" "A" "A" "A" "A" "A" "C" "G"
##
     [883] "A" "G" "A" "G" "T" "T" "C" "G" "A" "C" "C" "A" "A" "G" "T" "T" "A" "G"
##
     [901] "A" "C" "A" "G" "T" "T" "C" "G" "T" "C" "G" "T" "C" "G" "T" "T" "T"
##
     [919] "C" "G" "T" "T" "C" "T" "C" "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "C"
##
     [937] "G" "G" "T" "A" "A" "C" "G" "G" "T" "C" "G" "G" "T" "A" "A" "A" "T"
##
     [955] "C" "G" "T" "C" "C" "T" "C" "T" "T" "C" "A" "A" "G" "C" "A" "A" "A" "T"
##
```

```
[973] "G" "A" "C" "G" "A" "C" "G" "G" "A" "C" "C" "T" "C" "A" "A" " " "C" "T"
##
     [991] "T" "A" "A" "A" "G" "A" "G" "T" "T" "G" "A" "C" "A" "A" "C" "A" "C" "G" "C"
##
    [1009] "T" "G" "A" "T" "G" "C" "A" "C" "T" "A" "C" "T" "C" "C" "C" "T" "T" "G" "C"
##
    [1027] "T" "C" "T" "T" "C" "T" "C" "C" "G" "A" "A" "C" "T" "G" "A" "C" "G" "G"
    [1045] "C" "G" "G" "A" "G" "A" "C" "G" "A" "G" "G" "G" "A" "A" "A" " " "G" "A" "C"
    [1063] "G" "C" "A" "T" "C" "T" "T" "C" "G" "G" "A" "A" "A" "A" "A" "C" "C" "G" "T"
##
    [1081] "T" "A" "C" "A" "A" "C" "A" "A" "G" "G" "A" "A" "C" "T" "C" "T" "T"
    [1099] "C" "A" "A" "C" "A" "T" "C" "G" "T" "G" "C" "T" "A" "A" "A" "C" "G" "T" "C"
##
    [1117] "G" "T" "A" "A" "C" "A" "A" "T" "C" "G" "T" "C" "C" "C" " " "T" "A" "A" "C"
    [1135] "G" "C" "C" "C" "A" "C" "G" "G" "T" "T" "A" "C" "A" "C" "T" "A" "G" "A"
##
    [1153] "A" "A" "A" "C" "C" "A" "C" "A" "T" "A" "A" "G" "T" "T" "C" "C" "G" "A"
    [1171] "G" "G" "G" "A" "G" "T" "C" "A" "A" "C" "G" "T" "T" "G" "G" "G" "T" "A"
##
    [1207] "T" "C" "G" "T" "G" "G" "T" "A" "T" "C" "C" "C" "T" "T" "C" "A" "G" "G"
##
    [1225] "T" "C" "G" "A" "A" "G" "A" "C" "C" "G" "G" "G" "T" "C" "A" "A" "G" "G"
    [1243] "A" "T" "C" "C" "A" "T" "C" "A" "T" "C" "T" "T" "T" "A" "T" "G" "G" "T"
##
##
    [1261] "A" "G" "A" "A" "C" "C" "T" "G" "A" "C" "T" " "C" "T" "A" "G" "A" "A"
    [1279] "A" "G" "T" "A" "A" "A" "A" "T" "G" "G" "C" "A" "G" "T" "G" "G" "T" "G"
##
    [1297] "G" "T" "G" "C" "T" "T" "A" "A" "G" "C" "A" "G" "A" "C" "A" "C" "A" "T" "C"
    [1315] "G" "A" "G" "A" "A" "G" "C" "C" "A" "T" "C" "A" "T" "C" "G" "G" "T" "T"
##
    [1333] "A" "A" "A" "C" "C" "A" "G" "T" "A" "G" " " "A" "C" "C" "T" "G" "A" "C"
##
    [1351] "G" "A" "T" "A" "A" "C" "C" "A" "C" "A" "A" "T" "T" "A" "A" "C" "C" "T"
    [1369] "T" "G" "C" "G" "G" "A" "A" "C" "A" "G" "G" "A" "G" "C" "T" "C" "C" "C"
##
    [1387] "T" "T" "A" "A" "A" "T" "T" "C" "C" "A" "G" "A" "A" "G" "G" "A" "A" "C"
    [1405] "G" "G" "T" "A" "C" "A" "A" "C" "T" " " "C" "A" "C" "T" "C" "T" "C" "T"
##
    [1423] "C" "C" "A" "C" "T" "T" "G" "G" "T" "T" "C" "T" "G" "C" "G" "T" "C" "A"
    [1441] "T" "A" "A" "T" "A" "A" "C" "C" "C" "A" "T" "T" "T" "G" "G" "A" "A" "C"
    [1459] "C" "C" "C" "G" "G" "C" "T" "G" "C" "A" "A" "C" "A" "A" "A" "A" "A" "C" "T"
    [1477] "A" "G" "C" "G" "C" "G" "G" "G" "G" "T" "G" "T" "G" "G" "T" "A" "A" "G" "A"
##
    [1495] "C" "C" "A" "A" "T" "G" "A" "C" "G" "G" "T" "C" "A" "A" "C" "T" "T" "A"
    [1513] "G" "A" "C" "T" "C" "C" "C" "A" "G" "G" "T" "G" "G" "T" "T" "T" "T" "G" "C"
##
##
    [1531] "A" "T" "T" "A" "C" "G" "C" "T" "C" "A" "C" "G" "T" "A" "A" "A" "A" "G"
    [1549] "C" "G" "A" "C" "T" "A" "A" " "A" "A" "C" "C" "C" "C" "A" "G" "G" "T"
##
    [1567] "A" "A" "T" "A" "G" "T" "C" "T" "G" "T" "A" "A" "A" "A" "T" "T" "C" "A" "A"
    [1585] "A" "C" "A" "A" "G" "C" "A" "A" "A" "T" "C" "T" "A" "C" "T" "T" "T" "T" "A"
##
    [1603] "G" "A" "T" "T" "T" "T" "G" "T" "T" "G" "T" "G" "C" "T" "T" "G" "C" "A"
##
    [1621] "G" "T" "A" "C" "T" "A" " " "T" "G" "A" "G" "A" "T" "T" "T" "T" "T" "T" "C"
##
##
    [1639] "A" "G" "A" "A" "G" "T" "A" "T" "C" "T" "T" "G" "C" "T" "T" "G" "T" "T"
    [1657] "G" "C" "G" "T" "G" "A" "T" "G" "T" "T" "C" "T" "G" "A" "T" "G" "G" "G"
##
    [1675] "T" "T" "A" "A" "A" "T" "C" "C" "A" "A" "G" "G" "A" "C" "C" "G" "T" "T"
##
    [1693] "A" "A" "T" "T" "A" " " "A" "C" "A" "T" "T" "T" "T" "C" "C" "A" "T" "T"
    [1711] "T" "G" "T" "C" "C" "T" "T" "T" "G" "A" "C" "A" "T" "A" "T" "A" "A" "A"
##
    [1729] "T" "G" "G" "C" "T" "A" "T" "A" "G" "C" "T" "A" "C" "A" "T" "G" "A" "C"
##
    [1747] "T" "T" "A" "C" "C" "C" "A" "C" "T" "A" "A" "A" "T" "C" "T" "T" "G" "G"
    [1765] "T" "C" "G" "G" " " "A" "G" "T" "A" "G" "G" "T" "G" "C" "G" "T" "G" "T"
    [1783] "T" "A" "A" "G" "T" "T" "A" "A" "T" "T" "T" "C" "C" "A" "C" "G" "A" "C"
##
    [1801] "T" "A" "A" "A" "A" "G" "A" "T" "C" "G" "A" "G" "G" "A" "T" "G" "A" "T" "G" "A" "G"
##
    [1819] "A" "T" "T" "A" "T" "A" "T" "G" "G" "T" "A" "A" "A" "T" "C" "T" "T" "A"
##
    [1837] "T" "C" "T" " "T" "C" "A" "C" "T" "T" "A" "T" "C" "C" "T" "G"
    [1855] "C" "C" "C" "A" "G" "T" "A" "G" "T" "T" "G" "A" "T" "G" "T" "A" "T" "A"
##
    [1873] "C" "C" "A" "A" "C" "T" "A" "C" "A" "A" "C" "T" "C" "A" "T" "G" "T" "A"
##
    [1891] "C" "T" "G" "A" "C" "A" "T" "T" "T" "G" "A" "T" "G" "T" "A" "A" "G" "A"
##
    [1909] "A" "C" " " "C" "A" "C" "T" "T" "T" "A" "C" "G" "T" "C" "G" "A" "T" "G"
##
    [1927] "T" "C" "A" "A" "C" "A" "C" "T" "A" "C" "T" "A" "A" "G" "G" "A" "T" "T"
##
```

```
[1945] "C" "T" "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "A" "A" "A" "A" "G" "T" "A"
   [1963] "C" "A" "A" "G" "C" "A" "A" "A" "T" "C" "C" "G" "C" "A" "C" "T" "G" "T"
##
   [1981] "T" " " "C" "A" "A" "A" "G" "T" "A" "A" "T" "A" "C" "T" "A" "G" "A" "A"
##
   [2017] "T" "T" "T" "T" "C" "T" "A" "T" "T" "A" "T" "T" "C" "G" "T" "A" "T" "T"
   [2035] "A" "A" "T" "T" "T" "T" "G" "T" "T" "C" "C" "T" "T" "A" "T" "T" "G" "T"
##
   [2053] " " "C" "T" "T" "T" "C" "C" "G" "A" "T" "T" "T" "T" "T" "C" "G" "T" "G"
   [2071] "T" "T" "A" "T" "A" "T" "C" "A" "G" "T" "T" "A" "A" "A" "T" "A"
##
   [2089] "C" "T" "T" "T" "C" "A" "A" "G" "T" "T" "A" "G" "T" "A" "A" "G" "A" "C"
##
   [2107] "A" "G" "A" "A" "A" "A" "A" "A" "C" "T" "C" "A" "C" "A" "C" "
   [2125] "T" "T" "C" "G" "T" "T" "T" "C" "A" "C" "A" "A" "T" "A" "T" "T" "T" "T" "G"
   [2143] "T" "G" "A" "T" "A" "A" "C" "G" "G" "C" "G" "T" "T" "G" "T" "T" "A" "T"
##
   [2161] "T" "C" "T" "T" "T" "T" "A" "A" "C" "C" "T" "C" "T" "C" "A" "T" "T"
   [2179] "T" "C" "A" "A" "G" "A" "A" "C" "T" "T" "G" "A" "A" "G" "G" "A" " "G"
##
##
   [2197] "A" "A" "C" "A" "G" "A" "C" "T" "A" "C" "T" "T" "G" "T" "C" "A" "A" "A"
   [2215] "T" "C" "C" "A" "C" "T" "T" "T" "G" "A" "C" "T" "A" "G" "A" "C" "C" "G"
##
##
   [2233] "T" "G" "C" "A" "T" "T" "G" "A" "C" "T" "A" "T" "C" "T" "G" "C" "A" "C"
   [2251] "A" "A" "A" "A" "T" "G" "C" "G" "G" "C" "A" "G" "T" "C" "C" " " "T" "G"
##
   [2269] "T" "T" "C" "G" "T" "T" "T" "T" "C" "G" "T" "T" "T" "A" "A" "C" "T" "C"
##
   [2287] "A" "C" "G" "A" "T" "T" "T" "C" "G" "T" "T" "C" "A" "G" "T" "C" "A" "C"
##
   [2305] "G" "T" "T" "T" "A" "A" "A" "C" "A" "A" "T" "A" "G" "T" "C" "G" "A" "T"
##
   [2323] "C" "T" "C" "C" "T" "A" "C" "T" "T" "A" "C" "C" "A" " " "C" "T" "T"
##
   [2341] "A" "A" "C" "G" "G" "G" "A" "G" "C" "A" "T" "A" "C" "A" "A" "G" "G" "T"
##
   ##
   [2377] "T" "T" "T" "T" "C" "A" "T" "G" "A" "C" "A" "A" "C" "A" "T" "G" "A"
##
   [2395] "G" "A" "T" "T" "G" "T" "G" "T" "G" "A" "A" "A" " " " " "C" "C" "A" "T"
   [2413] "C" "A" "C" "T" "A" "T" "T" "T" "C" "G" "A" "G" "T" "G" "T" "T" "C" "A"
##
   [2431] "T" "C" "G" "C" "T" "C" "A" "C" "A" "A" "T" "A" "G" "T" "C" "A" "C" "G"
   ##
   [2467] "G" "T" "A" "C" "A" "A" "G" "C" "A" "A" "A" "T" " "T" "A" "G" "T" "T"
   [2485] "A" "G" "A" "G" "G" "T" "A" "A" "C" "C" "A" "A" "C" "G" "A" "G" "A" "A" "G" "A" "A"
##
##
   [2503]
         "G" "T" "A" "G" "A" "T" "T" "A" "A" "C" "T" "C" "T" "T" "A" "A" "A" "A"
   [2521] "A" "T" "A" "A" "G" "A" "G" "T" "C" "A" "A" "T" "C" "A" "C" "T" "G" "A"
##
   ##
   [2557] "T" "A" "C" "T" "C" "C" "A" "A" "A" "T" "A" "C" "T" "A" "C" "A" "T" "T"
##
   [2575] "A" "G" "T" "T" "C" "T" "A" "A" "G" "G" "T" "T" "T" "A" "C" "C" "T" "T"
##
   [2593] "T" "G" "A" "A" "A" "T" "T" "T" "T" "C" "A" "G" "G" "C" "G" "T" "A" "T"
##
##
   [2611] "T" "A" "T" "T" "A" "A" "T" "C" "A" "T" " " "T" "A" "T" "A" "G" "A" "G"
   [2629] "A" "C" "G" "A" "T" "A" "T" "C" "A" "T" "T" "G" "G" "A" "C" "T" "T" "T"
##
   [2647] "C" "A" "G" "T" "T" "G" "C" "T" "C" "T" "A" "C" "T" "T" "T" "T" "G" "T" "A"
##
   [2665] "G" "A" "C" "A" "A" "C" "A" "G" "T" "G" "A" "A" "T" "G" "A" "C" "A" "T"
   [2683] "G" "T" "T" "C" "G" "T" "T" "T" "C" " " "G" "T" "T" "A" "T" "A" "A" "A" "C"
##
   [2701] "A" "G" "T" "G" "A" "C" "G" "A" "T" "G" "A" "C" "C" "T" "T" "A" "C" "C"
##
   [2737] "A" "A" "C" "G" "G" "T" "T" "A" "G" "G" "A" "C" "A" "T" "C" "G" "C" "T"
   [2755] "G" "A" "C" "A" "T" "A" "C" "G" " " "T" "C" "G" "T" "T" "T" "T" "T" "G" "G"
##
   [2773] "A" "C" "T" "C" "A" "G" "T" "G" "G" "A" "C" "G" "A" "T" "G" "T" "G" "C"
##
   [2791] "G" "A" "C" "G" "C" "T" "T" "C" "G" "A" "G" "G" "G" "T" "T" "A" "A" "A"
##
   [2809] "C" "A" "T" "T" "A" "T" "T" "C" "T" "T" "T" "C" "G" "C" "A" "A" "A" "G" "C"
   [2827] "A" "C" "T" "A" "C" "A" "T" " "C" "G" "T" "T" "G" "T" "C" "A" "C" "T"
##
   [2845] "A" "A" "A" "G" "A" "A" "T" "C" "C" "G" "T" "C" "C" "A" "G" "A"
##
   [2863] "A" "C" "T" "A" "C" "A" "G" "T" "G" "T" "C" "G" "C" "A" "G" "G" "A" "T"
##
   [2881] "C" "T" "A" "C" "C" "A" "G" "G" "T" "C" "G" "T" "T" "A" "T" "G"
##
   [2899] "C" "T" "T" "C" "T" "A" " " "C" "A" "G" "G" "T" "G" "C" "T" "T" "C" "C"
##
```

```
[2917] "T" "A" "G" "T" "G" "T" "C" "G" "A" "G" "G" "C" "T" "A" "A" "T" "G" "C"
   [2935] "T" "C" "A" "A" "G" "T" "G" "A" "A" "A" "G" "A" "T" "C" "T" "C" "T" "C" "G"
##
   [2953] "C" "C" "A" "G" "A" "C" "C" "A" "G" "T" "C" "T" "T" "A" "T" "C" "A" "C"
##
   [2971] "G" "G" "T" "A" "C" " "T" "C" "A" "C" "C" "G" "T" "G" "C" "A" "A"
##
   [3007] "A" "C" "C" "T" "A" "A" "C" "T" "T" "A" "C" "T" "G" "G" "T" "G" "T" "A"
##
   [3025] "C" "C" "T" "T" "G" "C" "G" "C" "A" "T" "G" "C" "G" "C" "G" "T" "T" "T"
   ##
   [3061] "A" "C" "T" "T" "C" "A" "T" "C" "G" "A" "C" "T" "C" "G" "G" "T"
   [3079] "A" "G" "T" "T" "C" "G" "G" "A" "T" "G" "T" "T" "C" "T" "G" "T" "T" "C"
##
   [3097] "G" "G" "T" "A" "A" "C" "G" "C" "T" "A" "T" "C" "G" "T" "T" "A" "A" "G"
   [3115] "G" "T" "G" " "G" "C" "C" "A" "C" "T" "A" "G" "G" "T" "T" "A" "A" "A" "A"
##
   [3133] "T" "A" "A" "G" "A" "C" "A" "T" "T" "T" "G" "T" "C" "G" "T" "C" "G" "T"
   ##
##
   [3169] "C" "A" "A" "T" "G" "A" "C" "C" "G" "G" "T" "A" "T" "T" "G" "T" "C" "G"
   ##
##
   [3205] "T" "T" "A" "A" "T" "A" "T" "A" "T" "G" "T" "T" "T" "T" "T" "T" "G" "A"
   [3223] "T" "A" "A" "G" "G" "A" "C" "A" "A" "C" "C" "G" "T" "A" "T" "C" "C" "G"
##
   [3241] "T" "T" "T" "A" "A" "C" "A" "T" "C" "T" "T" "C" "T" "G" "T" "G" "T" "T" "A"
##
   [3259] "G" " "G" "T" "A" "C" "A" "T" "T" "C" "C" "T" "T" "A" "T" "C" "C" "T"
##
   [3277] "T" "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T" "C" "C" "A" "A" "A" "G" "G"
##
   [3295] "T" "A" "A" "G" "A" "A" "G" "T" "T" "C" "C" "T" "C" "G" "A" "A" "A" "A" "A"
##
   [3313] "A" "T" "T" "C" "G" "A" "G" "A" "G" "T" "T" "G" "C" "C" "A" "T" "T"
##
   [3331] " " "A" "T" "C" "A" "T" "G" "G" "C" "A" "A" "C" "C" "T" "T" "G" "G" "A"
##
   ##
   [3367] "C" "A" "A" "G" "G" "T" "T" "T" "G" "T" "C" "T" "T" "T" "T" "T" "T" "G" "A"
   ##
   [3403] "C" "A" "A" "A" "T" "C" "T" "G" "G" "T" "C" "T" "T" "C" "T" "A" "G" "T"
   [3421] "C" "C" "T" "T" "G" "A" "G" "A" "T" "C" "T" "T" "C" "T" "T" "A" "A" "G"
##
   [3439] "T" "C" "T" "A" "A" "A" "A" "T" "T" "G" "T" "G" "C" "T" "C" "T" "C"
   [3457] "A" "T" "T" "T" "G" "C" "A" "T" "T" "T" "T" "T" "C" "T" "T" "C" " " "C"
##
   [3475] "A" "A" "A" "A" "T" "G" "T" "T" "C" "T" "G" "A" "G" "T" "G" "C" "A" "A"
##
   [3493] "T" "T" "G" "T" "T" "A" "T" "A" "A" "C" "G" "T" "C" "G" "T" "C" "A" "T"
##
   [3511] "G" "C" "G" "T" "G" "T" "G" "T" "T" "A" "G" "C" "T" "T" "C" "G"
##
   [3529] "T" "C" "A" "T" "T" "C" "C" "T" "A" "C" "C" "G" "A" "T" "C" " " "A" "C"
##
   [3547] "A" "T" "T" "G" "A" "T" "C" "G" "T" "T" "C" "T" "T" "A" "T" "G" "G" "T"
##
   ##
##
   [3583] "C" "A" "T" "G" "C" "G" "A" "T" "A" "A" "T" "T" "G" "A" "T" "A" "A" "T"
   ##
   [3619] "C" "T" "T" "T" "G" "C" "T" "T" "A" "C" "T" "C" "A" "T" "G" "T" "A" "T"
##
   [3637] "T" "C" "A" "A" "G" "C" "A" "T" "G" "A" "G" "T" "A" "G" "T" "C" "G" "A"
   [3655] "A" "C" "A" "C" "G" "A" "A" "T" "G" "T" "T" "T" "C" "C" "G" "T" "G" "C"
##
   [3673] "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "G" "C" " " " "A" "G" "C" " " " "A" "G" "C" "C"
   [3691] "A" "A" "G" "T" "A" "G" "T" "A" "T" "T" "A" "A" "A" "C" "C" "A" "A" "G"
##
   [3709] "G" "T" "A" "A" "T" "G" "A" "C" "C" "T" "A" "A" "T" "T" "G" "T" "T" "G"
   [3727] "A" "G" "G" "C" "C" "T" "A" "C" "T" "T" "G" "G" "C" "A" "G" "C" "T" "A"
##
   [3745] "A" "C" "A" "C" "A" "C" "T" "T" "A" "A" "A" "C" " " "C" "T" "G" "T" "A"
##
   [3763] "C" "A" "A" "G" "A" "A" "G" "T" "C" "C" "G" "A" "G" "T" "A" "G" "T" "T"
##
   [3781] "G" "T" "T" "A" "A" "A" "A" "T" "A" "A" "C" "A" "T" "C" "T" "A" "C" "T"
   [3799] "T" "C" "T" "T" "C" "C" "A" "T" "T" "G" "T" "A" "C" "A" "A" "G" "T" "T"
##
         "G" "T" "G" "G" "T" "C" "A" "C" "A" "G" "A" " "C" "A" "T" "G" "A" "T" "G"
##
   Γ3817]
   [3835] "T" "T" "A" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "T" "G" "T" "C" "G"
##
   [3853] "A" "C" "C" "A" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "C" "A" "C"
##
   [3871] "T" "T" "C" "A" "T" "T" "G" "A" "C" "A" "C" "A" "T" "T" "A" "T" "G" "T"
##
```

```
[3889] "T" "G" "T" "G" "T" "C" "A" "G" "A" "A" " " " "A" "A" "T" "G" "A" "G" "G"
    [3907] "T" "C" "T" "A" "A" "G" "G" "G" "T" "A" "A" "A" "A" "A" "G" "T" "C" "A"
##
    [3925] "T" "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "G" "A" "C" "C" "A" "T"
##
    [3943] "C" "A" "G" "T" "A" "C" "A" "A" "G" "T" "C" "T" "T" "T" "A" "T" "C" "C"
##
    [3961] "T" "G" "A" "A" "C" "A" "A" "C" "A" " " "C" "G" "G" "T" "A" "G" "T" "G"
    [3979] "G" "A" "C" "T" "T" "C" "A" "T" "T" "A" "C" "T" "G" "T" "T" "A" "A" "C"
##
    [3997] "T" "T" "C" "T" "T" "C" "A" "A" "T" "G" "T" "G" "A" "T" "A" "A" "C" "A"
    [4015] "T" "T" "C" "C" "A" "T" "A" "T" "G" "T" "T" "A" "T" "C" "A" "G" "C" "A"
##
    [4033] "T" "T" "G" "T" "T" "A" "A" "T" " " "C" "A" "T" "A" "C" "G" "G" "T" "C"
    [4051] "G" "T" "T" "T" "C" "T" "T" "T" "T" "A" "T" "C" "A" "A" "C" "C" "G" "T"
##
    [4069] "A" "G" "T" "A" "T" "T" "T" "C" "A" "T" "T" "A" "C" "C" "C" "A" "A" "A" "A"
    [4087] "A" "A" "C" "C" "T" "T" "G" "C" "C" "G" "T" "A" "A" "A" "G" "G" "T" "C"
##
    [4105] "G" "T" "T" "T" "C" "G" "G" " " "T" "T" "T" "C" "G" "G" "A" "G" "T" "A"
    [4123] "A" "T" "A" "A" "T" "A" "A" "G" "A" "A" "T" "G" "T" "T" "T" "T" "C" "A" "A"
##
    [4141] "A" "T" "A" "T" "G" "A" "G" "A" "C" "G" "T" "T" "C" "T" "T" "C" "A" "T"
    [4159] "C" "T" "G" "A" "T" "T" "T" "C" "G" "T" "A" "T" "T" "T" "C" "T" "A" "T"
##
##
    [4195] "C" "C" "G" "G" "T" "C" "G" "T" "C" "G" "T" "T" "G" "C" "T" "C" "G" "T"
##
    [4213] "T" "T" "T" "C" "C" "A" "C" "A" "C" "T" "C" "A" "T" "T" "T" "T" "G" "A" "C"
##
    ##
    [4249] "T" "C" "A" "A" "C" " " "G" "T" "T" "T" "G" "T" "T" "T" "C" "A" "C" "T"
##
    [4267] "T" "G" "T" "G" "G" "G" "A" "A" "C" "C" "T" "C" "T" "C" "A" "C" "A"
    ##
    [4303] "T" "C" "T" "C" "A" "A" "T" "A" "C" "T" "A" "A" "A" "A" "A" "C" "C" "T" "T"
    [4321] "C" "G" "C" "G" " " "A" "G" "A" "C" "T" "T" "T" "T" "T" "T" "G" "T" "C" "G"
##
    [4339] "T" "T" "C" "T" "T" "C" "A" "C" "G" "T" "T" "G" "C" "G" "G" "T" "T" "G"
    [4357] "T" "T" "A" "T" "T" "C" "G" "G" "T" "A" "G" "G" "C" "T" "T" "T" "C" "C"
##
    [4375] "C" "T" "C" "A" "C" "T" "C" "C" "G" "A" "A" "C" "A" "T" "A" "G" "C" "C"
    [4393] "A" "T" "A" " "G" "C" "A" "A" "C" "G" "T" "C" "A" "T" "C" "G" "C" "G"
##
    [4411] "C" "T" "T" "G" "T" "T" "T" "T" "A" "G" "A" "C" "T" "T" "C" "C" "T" "C"
    [4429] "A" "T" "C" "G" "T" "A" "G" "G" "A" "A" "C" "T" "A" "A" "A" "A" "G" "T" "G"
##
    [4447] "G" "A" "A" "C" "G" "A" "A" "G" "T" "T" "T" "C" "A" "A" "T" "G" "T" "C"
##
    [4465] "A" "A" " " "G" "G" "T" "T" "A" "A" "C" "A" "C" "T" "T" "C" "T" "A" "A"
##
    [4483] "G" "A" "G" "T" "A" "T" "T" "T" "G" "T" "T" "A" "G" "G" "G" "T" "A" "T"
    [4501] "T" "C" "A" "A" "G" "C" "A" "A" "A" "T" "A" "C" "A" "C" "A" "T" "T" "A"
##
    [4519] "C" "A" "T" "T" "A" "A" "A" "C" "T" "G" "A" "G" "G" "A" "A" "A" "A" "C" "T"
##
    [4537] "C" " " "G" "T" "G" "A" "C" "C" "G" "A" "G" "T" "C" "T" "C" "A" "G" "C"
##
##
    [4555] "A" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T" "A" "A" "A" "A" "C" "G" "T" "C"
    [4573] "G" "T" "C" "C" "T" "A" "G" "G" "T" "G" "T" "T" "C" "T" "T" "G" "T" "T"
##
    [4591] "G" "T" "C" "G" "G" "G" "A" "A" "C" "T" "C" "T" "G" "T" "T" "G" "A" "T"
##
    [4609] " " "G" "T" "C" "G" "T" "T" "G" "A" "C" "C" "A" "G" "T" "A" "T" "G" "T"
    [4627] "C" "G" "T" "T" "T" "C" "G" "T" "A" "T" "A" "A" "A" "C" "A" "G" "T" "G"
##
    [4645] "G" "T" "A" "A" "T" "G" "A" "T" "A" "C" "C" "G" "T" "T" "A" "G" "T" "T"
    [4663] "C" "G" "G" "T" "C" "G" "A" "T" "A" "T" "T" "T" "T" "T" "G" "G" "A" "T" "
##
    [4681] "C" "G" "G" "T" "T" "T" "A" "C" "A" "T" "G" "G" "T" "A" "C" "C" "G" "G"
    [4699] "T" "A" "A" "A" "A" "T" "A" "T" "A" "T" "G" "A" "C" "G" "A" "G" "T" "A"
##
          "T" "G" "A" "A" "A" "G" "G" "T" "T" "C" "A" "A" "G" "A" "A" "C" "C" "T"
##
    [4717]
    [4735] "C" "T" "A" "G" "C" "T" "A" "C" "T" "C" "T" "C" "T" "A" "A" "A" "G" " " "T"
##
    [4753] "A" "A" "A" "T" "T" "T" "A" "A" "G" "A" "A" "C" "C" "G" "T" "T" "G" "G"
    [4771] "A" "G" "T" "A" "A" "C" "T" "C" "C" "G" "C" "C" "A" "G" "T" "T" "A" "A"
##
    [4789] "A" "G" "A" "A" "A" "A" "A" "C" "T" "T" "A" "C" "A" "A" "A" "T" "G" "T"
##
    [4807] "T" "G" "A" "C" "T" "T" "C" "G" "T" "A" "A" "T" "T" "A" "C" " " "G" "G"
##
    [4825] "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "G" "A" "T" "T" "T" "A" "G"
##
    [4843] "T" "T" "G" "T" "A" "G" "A" "C" "C" "A" "C" "T" "A" "C" "A" "T" "A" "C"
##
```

```
##
   [4897] "T" "T" "A" "G" "A" "T" "T" "A" "A" "G" "T" "C" "C" "A" "A" "A" "G" "T"
##
   [4915] "T" "T" "C" "C" "T" "A" "G" "T" "A" "T" "T" "T" "G" "A" "C" "A" "C" "A"
##
   [4933] "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "A" "G" "G" "A" "T" "A" "A" "T"
   [4951] "G" "T" "T" "G" "T" "A" "G" "T" "G" "T" "C" "A" "A" " " " "T" "G" "G" "T"
##
   [4969] "C" "T" "G" "T" "G" "T" "T" "T" "A" "C" "A" "C" "A" "A" "C" "A" "G" "A"
   [4987] "C" "A" "T" "C" "A" "T" "T" "A" "C" "T" "A" "A" "A" "A" "C" "A" "C" "A"
##
    [5005] "A" "G" "T" "A" "T" "T" "T" "T" "T" "A" "A" "G" "G" "A" "A" "A" "C" "A"
##
   [5023] "C" "A" "A" "T" "G" "T" "T" "T" "G" "G" "T" "C" " " "A" "C" "A" "C" "A"
##
    [5041] "C" "G" "G" "T" "A" "A" "A" "C" "T" "T" "T" "G" "T" "T" "T" "T" "C" "T" "G"
   [5059] "T" "G" "G" "A" "A" "G" "T" "G" "C" "T" "C" "C" "T" "T" "T" "T" "C" "A" "C"
##
   [5077] "A" "C" "G" "A" "A" "A" "A" "G" "G" "T" "A" "G" "T" "A" "C" "T" "G" "T"
   [5095] "T" "T" "A" "C" "C" "G" "T" "C" "C" "T" "C" " " "G" "T" "C" "A" "A" "C"
##
##
   [5131] "G" "T" "C" "C" "C" "T" "G" "T" "A" "T" "T" "C" "A" "G" "T" "G" "T" "A"
##
##
   [5149] "C" "G" "T" "T" "C" "T" "C" "T" "G" "A" "T" "G" "T" "G" "T" "G" "T" "A"
    [5167] "C" "T" "C" "C" "A" "C" "G" "A" "C" "T" " "G" "A" "C" "T" "C" "C" "C"
##
   [5185] "T" "T" "C" "C" "T" "G" "T" "A" "T" "T" "C" "T" "A" "C" "T" "A" "T" "C"
##
   ##
   [5221] "T" "G" "A" "G" "A" "A" "A" "A" "A" "C" "T" "A" "A" "C" "A" "G" "G" "T"
##
   [5239] "T" "C" "A" "T" "G" "T" "G" "T" "G" " " "A" "G" "A" "C" "T" "G" "T" "A"
##
   [5257] "A" "A" "A" "T" "C" "A" "T" "C" "G" "T" "C" "G" "T" "T" "C" "T" "A" "A"
##
   [5275] "T" "C" "G" "T" "C" "T" "T" "C" "G" "A" "G" "A" "C" "T" "A" "A" "A" "G"
##
   [5293] "A" "C" "G" "T" "C" "G" "A" "G" "A" "T" "T" "A" "A" "T" "T" "A" "A" "C"
##
    [5311] "A" "A" "C" "T" "C" "A" "G" "T" " "G" "T" "A" "T" "A" "C" "A" "G" "A"
   [5329] "C" "G" "T" "T" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "G" "A" "C" "G"
##
   [5347] "G" "A" "C" "A" "C" "T" "A" "G" "T" "T" "G" "G" "A" "T" "A" "G" "T" "T"
   [5365] "A" "A" "A" "C" "G" "T" "G" "A" "A" "G" "T" "C" "G" "G" "A" "G" "T" "T"
##
   [5383] "G" "A" "A" "A" "C" "A" "G" " "T" "T" "C" "T" "G" "C" "A" "C" "T" "T"
   [5401] "T" "T" "C" "T" "A" "T" "A" "G" "T" "A" "A" "A" "T" "T" "T" "T" "T" "G" "T"
##
         "G" "A" "A" "C" "T" "T" "T" "A" "A" "C" "G" "T" "G" "G" "T" "T" "T" "A"
##
    [5419]
   [5437] "A" "A" "C" "C" "T" "C" "G" "A" "T" "T" "C" "A" "A" "C" "A" "A" "A" "A" "T"
##
   [5455] "T" "G" "T" "T" "C" "G" " " "C" "A" "C" "A" "A" "A" "A" "T" "T" "T" "C" "G"
##
   [5473] "A" "A" "C" "A" "C" "G" "T" "A" "A" "T" "A" "C" "C" "A" "A" "C" "T" "G"
##
   [5491] "G" "T" "G" "T" "A" "G" "A" "A" "C" "T" "T" "C" "A" "A" "A" "A" "G" "G"
##
   [5509] "T" "T" "C" "A" "C" "G" "T" "G" "A" "A" "C" "G" "A" "C" "A" "C" "A" "C" "A" "C" "A" "C" "T"
##
##
   [5527] "T" "C" "T" "T" "T" " " "C" "A" "C" "T" "C" "A" "G" "A" "A" "A" "A" "C" "T"
   [5545] "A" "A" "A" "A" "C" "G" "G" "T" "T" "A" "T" "C" "G" "T" "G" "A" "T" "A"
##
   [5563] "A" "T" "T" "T" "A" "A" "C" "C" "A" "A" "C" "C" "G" "T" "T" "A" "G" "T"
##
    [5581] "T" "A" "A" "A" "A" "A" "C" "C" "A" "A" "G" "A" "G" "T" "A" "T" "C" "T"
   [5599] "C" "T" "T" "G" " " "T" "A" "A" "G" "A" "C" "A" "C" "A" "T" "T" "T" "G" "A"
##
   [5617] "G" "G" "T" "T" "A" "T" "G" "G" "T" "A" "A" "T" "T" "T" "G" "G" "A" "T"
##
   [5635] "A" "T" "T" "C" "G" "G" "T" "A" "A" "A" "C" "G" "T" "A" "T" "C" "G" "T"
    [5653] "T" "T" "A" "C" "C" "A" "T" "A" "A" "A" "C" "A" "T" "T" "A" "C" "G" "T"
   [5671] "C" "G" "T" " "G" "G" "A" "C" "G" "T" "G" "G" "T" "T" "T" "T" "C" "C" "A"
##
         "G" "G" "T" "T" "G" "G" "T" "C" "T" "T" "C" "A" "C" "T" "A" "A" "C" "A"
##
    [5689]
   [5707] "T" "G" "G" "G" "C" "G" "A" "T" "T" "G" "T" "C" "A" "C" "G" "T" "C" "T"
##
    [5725] "T" "C" "A" "C" "A" "T" "A" "A" "C" "T" "C" "G" "T" "T" "A" "G" "T" "A"
   [5743] "A" "A" " "G" "T" "A" "G" "A" "C" "A" "C" "T" "C" "G" "T" "T" "T" "T" "C"
##
   [5761] "C" "A" "C" "C" "G" "T" "T" "T" "T" "G" "T" "C" "A" "T" "T" "C" "G"
##
   [5779] "G" "A" "A" "A" "T" "T" "T" "G" "A" "A" "A" "A" "C" "A" "C" "G" "T" "G"
##
    [5797] "T" "T" "T" "A" "C" "T" "C" "C" "A" "G" "A" "G" "A" "T" "C" "G" "T" "C"
##
   [5815] "G" " "T" "T" "A" "T" "A" "G" "T" "G" "G" "T" "T" "C" "C" "G" "T" "T"
##
```

```
[5833] "A" "G" "T" "G" "G" "T" "A" "T" "A" "A" "C" "A" "A" "A" "A" "C" "T" "A" "C"
   [5851] "T" "T" "C" "G" "G" "T" "C" "G" "T" "A" "G" "A" "C" "G" "T" "T" "C" "A"
##
   [5869] "C" "A" "G" "T" "G" "A" "A" "A" "C" "A" "A" "C" "T" "T" "T" "T" "T" "C" "A"
##
   [5887] " " "T" "C" "T" "A" "G" "A" "A" "G" "T" "T" "A" "T" "T" "T" "A" "C" "T"
   [5905] "G" "G" "A" "G" "A" "A" "C" "G" "A" "A" "C" "C" "A" "A" "A" "A" "A" "C" "T"
   [5923] "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "A" "A" "A" "A" "C"
##
   ##
   [5977] "C" "A" "C" "A" "A" "A" "A" "C" "A" "T" "T" "T" "A" "A" "A" "A" "C" "A" "A"
   [5995] "A" "C" "T" "G" "A" "A" "C" "A" "C" "G" "T" "T" "T" "T" "T" "T" "G" "A" "A"
##
   [6031] "A" "C" "A" "A" "G" "T" "T" "G" "T" "C" "G" "A" "T" "A" "A" "G" "G" "T"
##
   [6049] "C" "A" "A" "T" "T" "T" "C" "G" "T" "G" "C" "A" "A" "A" "A" "A" "T" "T" "A"
   [6067] "A" "C" "A" "C" "A" "T" "G" "T" "T" "T" "T" "T" "G" "A" "C" "G" "G" "T"
##
   [6085] "A" "T" "A" "A" "C" "G" "T" "T" "G" "T" "T" "T" "T" "T" "C" "T" " " "A" "A"
   [6103] "C" "G" "A" "C" "G" "T" "A" "A" "G" "T" "C" "A" "A" "C" "T" "T" "A" "G"
##
##
   [6121]
         "T" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "T" "G" "T" "A" "A" "A" "C" "A"
   [6139] "T" "G" "T" "T" "A" "G" "A" "T" "G" "A" "C" "T" "A" "C" "A" "G" "A" "A"
   [6157] "C" "C" "A" "G" "T" "A" "T" "C" "T" "G" "T" "G" "A" "C" " " "C" "A" "T"
   [6175] "C" "T" "T" "A" "A" "A" "G" "A" "C" "A" "C" "A" "T" "T" "T" "G" "T" "G"
##
   [6193] "A" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "A" "A" "A" "A" "C" "A" "C" "A" "C"
##
   [6211] "C" "A" "T" "A" "C" "C" "G" "T" "T" "A" "T" "C" "T" "C" "A" "A" "T" "A"
   [6229] "A" "T" "C" "T" "C" "A" "T" "T" "C" "G" "T" "T" "G" " " "A" "C" "T" "T"
##
   [6247] "A" "A" "A" "A" "G" "A" "C" "G" "T" "G" "G" "T" "T" "C" "A" "C" "T" "G"
   [6265] "T" "A" "T" "C" "A" "C" "A" "T" "C" "C" "G" "T" "T" "A" "C" "T" "A" "C"
##
   [6283] "C" "T" "A" "A" "C" "T" "G" "A" "T" "C" "G" "A" "T" "G" "T" "G" "A" "T"
   [6301] "G" "C" "A" "C" "G" "G" "G" "C" "G" "G" "C" "T" " " "A" "C" "T" "C" "T"
##
   [6319] "G" "A" "A" "T" "C" "A" "G" "A" "C" "T" "C" "A" "G" "A" "C" "T" "A" "T"
   [6337] "T" "G" "A" "T" "C" "G" "C" "G" "T" "A" "T" "A" "T" "G" "G" "A" "C" "G"
##
   [6355] "T" "G" "G" "T" "T" "A" "C" "C" "C" "A" "T" "A" "C" "A" "G" "T" "G" "T"
   ##
         "G" "T" "A" "T" "A" "A" "G" "T" "C" "G" "G" "G" "G" "A" "T" "A" "A" "T"
##
   [6391]
   [6409] "T" "T" "G" "T" "C" "G" "G" "A" "C" "G" "T" "G" "C" "A" "C" "A" "A" "A"
##
   [6427] "C" "T" "T" "T" "T" "T" "G" "T" "A" "A" "T" "C" "T" "T" "G" "G" "A" "C"
   [6445] "A" "T" "C" "T" "T" "A" "T" "T" "T" "G" " "T" "G" "C" "G" "G" "T" "T"
##
   [6463] "C" "A" "T" "C" "C" "T" "C" "A" "T" "T" "C" "A" "A" "A" "C" "T" "A" "G" "A"
##
   [6481] "C" "G" "T" "A" "C" "T" "T" "A" "T" "C" "G" "T" "T" "G" "T" "C" "C"
##
##
   [6499] "T" "G" "A" "A" "G" "A" "C" "A" "C" "G" "T" "C" "A" "A" "A" "T" "T" "G" "T"
   [6517] "G" "G" "G" "A" "C" "T" "A" "T" "T" " "T" "C" "T" "T" "G" "T" "C" "G"
##
   [6535] "T" "T" "G" "G" "A" "C" "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "A" "A"
##
   [6553] "A" "C" "A" "A" "G" "G" "A" "C" "C" "A" "C" "A" "A" "T" "A" "T" "A" "T" "T" "G"
   ##
   [6589] "T" "G" "T" "A" "C" "C" "A" "C" " " "A" "T" "T" "A" "C" "A" "G" "T" "T"
   [6607] "C" "T" "T" "A" "G" "A" "G" "T" "T" "C" "A" "C" "A" "G" "A" "C" "A" "C"
##
   [6625] "C" "T" "A" "G" "T" "G" "C" "C" "T" "G" "T" "C" "G" "T" "A" "G" "T" "C"
   [6643] "A" "T" "C" "A" "C" "A" "G" "T" "C" "G" "T" "T" "A" "C" "A" "G" "A" "G"
##
   [6661] "A" "C" "G" "G" "T" "T" "T" "T" " "A" "A" "C" "A" "A" "C" "C" "T" "T" "T"
##
   ##
   [6697] "C" "T" "G" "A" "G" "T" "C" "A" "T" "T" "C" "T" "T" "G" "T" "G" "G" "A"
   [6715] "C" "A" "C" "G" "G" "A" "A" "A" "A" "T" "T" "T" "G" "G" "T" "A" "A" "C"
##
         "T" "T" "C" "A" "A" "C" " " "T" "T" "T" "A" "A" "C" "T" "G" "T" "G" "T"
##
   [6733]
   [6751] "A" "A" "A" "C" "A" "A" "A" "A" "A" "T" "T" "G" "G" "T" "T" "T" "A" "A" "A"
##
   ##
   ##
```

```
##
  ##
  ##
  ##
  ##
  ##
##
       [6967]
  ##
  ##
##
  [7057] "A" "G" "G" "T" "T" "C" "G" "A" "T" "A" "T" "T" "G" "C" "G" "T" "C" "G"
  [7075] "G" "A" "C" "A" "T" "T" "T" "T" "A" "G" "T" "A" "G" "A" "C" "C" "A" "T"
##
##
  [7111] "C" "G" "T" "T" "A" "G" "A" "A" "A" "G" "G" "T" "C" "A" "A" "A" "C" "G"
##
  [7129] "G" "G" "A" "C" "C" "T" "C" "G" "C" "T" "A" "A" "A" "C" "A" "G" "A" "C"
##
  [7147] "T" "G" "A" "A" "G" "T" "A" "G" "T" "G" "G" "A" "G" "A" "T" "T" "A" "A"
##
  [7165] " " "T" "G" "T" "T" "T" "A" "C" "T" "T" "A" "G" "A" "C" "G" "T" "A" "T"
##
  [7183] "C" "T" "G" "T" "A" "A" "T" "C" "A" "T" "T" "T" "C" "G" "T" "C" "T" "C"
##
  [7201] "T" "A" "G" "T" "A" "A" "A" "T" "T" "A" "A" "A" "T" "C" "A" "T" "C" "C"
##
  [7219] "T" "C" "T" "G" "T" "G" "A" "G" "G" "T" "A" "T" "T" "G" "T" "G" "A" " "
##
  [7237] "A" "T" "T" "T" "T" "C" "A" "C" "C" "T" "T" "T" "T" "A" "C" "T" "A" "C"
##
  [7255] "G" "C" "C" "T" "T" "A" "A" "T" "A" "T" "A" "T" "C" "C" "T" "G" "T" "C"
  [7273] "T" "T" "A" "T" "T" "A" "G" "T" "C" "G" "T" "T" "G" "T" "G" "T" "C" "A"
##
  [7291] "A" "C" "G" "A" "C" "T" "A" "A" "G" "A" "G" "A" "A" "G" "G" "A" " "C"
  [7309] "A" "A" "G" "G" "T" "T" "C" "G" "T" "A" "T" "T" "T" "G" "T" "C" "T" "A"
##
  [7327] "C" "G" "T" "T" "T" "A" "G" "A" "C" "C" "A" "C" "C" "G" "G" "C" "A" "A" "T"
  [7345] "T" "T" "T" "T" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T" "T" "T" "C" "C" "C"
##
       ##
  [7363]
  [7381] "T" "C" "C" "T" "T" "T" "A" "G" "A" "T" "T" "G" "T" "T" "A" "T" "C" "T"
##
  ##
  [7417] "T" "T" "C" "A" "A" "T" "C" "T" "T" "C" "A" "A" "A" "C" "T" "A" "T"
##
  [7435] "C" "T" "A" "A" "G" "G" "A" "A" "A" "A" "A" "G" "A" "T" " " "G" "T" "C"
##
  [7453] "A" "C" "T" "T" "C" "C" "T" "A" "A" "A" "G" "T" "T" "G" "C" "A" "T" "G"
##
##
  [7471] "T" "G" "A" "A" "A" "C" "A" "A" "A" "G" "A" "C" "T" "C" "T" "C"
  [7489] "C" "C" "A" "G" "T" "T" "C" "A" "C" "G" "T" "G" "T" "C" "A" "G" "A" "T"
##
  [7507] "G" "T" "C" "G" "T" "A" "G" "A" "C" "A" "T" "T" "A" " " "C" "C" "A" "A"
##
  [7543] "T" "T" "A" "T" "C" "T" "T" "T" "T" "C" "A" "G" "G" "A" "T" "C" "A"
##
  [7561] "A" "C" "T" "T" "C" "T" "A" "T" "T" "G" "G" "G" "T" "G" "T" "A" "T" "T"
  [7579] "A" "T" "T" "C" "G" "A" "C" "G" "T" "C" "G" "T" " " "G" "G" "T" "C" "G"
##
  [7597] "A" "C" "A" "G" "G" "T" "T" "G" "G" "A" "C" "T" "T" "C" "T" "T" "C" "T"
  [7615] "T" "A" "G" "T" "G" "G" "T" "C" "C" "T" "C" "A" "G" "T" "T" "T" "A" "T"
##
  [7633] "T" "G" "A" "A" "G" "A" "T" "A" "C" "A" "T" "T" "T" "T" "C" "G" "T" "T" "C"
##
  [7651] "A" "T" "T" "T" "C" "A" "A" "A" "C" "T" "T" " "T" "G" "G" "A" "T" "C"
##
  [7669] "A" "C" "T" "A" "C" "A" "A" "T" "T" "A" "T" "G" "G" "A" "T" "A" "A" "C"
  [7687] "C" "G" "T" "T" "T" "A" "G" "A" "T" "G" "G" "T" "T" "A" "C" "C" "A" "A"
##
  [7705] "G" "A" "T" "T" "T" "C" "G" "G" "C" "T" "T" "T" "T" "T" "G" "G" "G" "A"
##
  [7723] "C" "T" "C" "C" "C" "T" "C" "T" "A" "G" " "T" "G" "C" "G" "T" "G" "A"
##
  [7741] "T" "A" "T" "T" "A" "T" "C" "C" "G" "C" "A" "C" "A" "C" "G" "G" "A" "T"
##
  ##
```

```
[7777] "G" "G" "T" "A" "G" "T" "T" "A" "T" "A" "A" "G" "A" "N" "N" "N" "N" "N" "N"
   ##
   ##
   ##
   ##
   ##
   [7939] "C" "C" "A" "G" "G" "T" "T" "T" "T" "T" "A" "C" "C" "T" "A" "G" "T"
##
   [7957] "A" "A" "T" "G" "T" "T" "T" "T" "A" "A" "C" "T" "T" "T" "A" "A" "G" "T"
   [7975] "G" "T" "C" "T" "G" "A" "A" "A" "T" "T" "A" "T" "T" "G" "T" "T" "G" "T"
##
   [7993] "A" "A" "T" "C" "A" "T" "C" "G" "C" "A" "A" "T" "A" "A" "T" "T" "G" "T"
   [8011] "T" "A" "T" "T" "C" "A" " "T" "C" "C" "C" "T" "G" "A" "C" "C" "C" "A"
##
##
   [8029] "G" "A" "A" "G" "C" "T" "T" "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "A"
   [8047] "T" "G" "G" "T" "T" "T" "T" "T" "A" "G" "G" "T" "C" "G" "G" "A" "G" "A"
##
##
   [8065] "A" "T" "A" "A" "T" "A" "C" "A" "A" "T" "C" "T" "G" "A" "A" "A" "G"
   [8083] "T" "T" "A" "C" "C" " " "T" "T" "C" "G" "T" "T" "T" "T" "A" "T" "T" "T" "T"
   [8101] "G" "T" "G" "G" "T" "A" "G" "T" "A" "A" "T" "T" "T" "A" "C" "C" "A" "T"
   [8119] "C" "C" "T" "G" "T" "C" "C" "C" "A" "A" "T" "A" "G" "T" "T" "T" "T" "G" "G"
##
   [8137] "A" "G" "A" "A" "T" "C" "A" "T" "G" "G" "T" "A" "A" "A" "C" "C" "A" "G" "G"
##
   [8155] "G" "T" "C" "T" " "C" "T" "A" "T" "T" "G" "T" "A" "C" "C" "T" "T" "G"
##
   [8173] "G" "T" "T" "C" "A" "T" "T" "G" "T" "A" "A" "C" "C" "T" "T" "T" "T" "T" "C"
##
   [8191] "T" "T" "T" "C" "C" "A" "T" "T" "C" "T" "T" "G" "T" "T" "C" "A" "G" "G"
##
   [8209] "A" "C" "T" "C" "A" "A" "C" "T" "T" "A" "C" "A" "T" "T" "T" "T" "T" "G" "A"
##
   [8227] "C" "T" "C" " " "C" "T" "A" "G" "A" "C" "T" "T" "T" "T" "G" "A" "A" "A"
   [8245] "C" "A" "G" "T" "C" "C" "A" "T" "T" "A" "T" "T" "T" "T" "G" "T" "G" "G"
##
   [8263] "T" "G" "C" "A" "C" "A" "C" "T" "T" "T" "C" "T" "T" "A" "A" "T" "C" "A"
   [8281] "C" "A" "T" "A" "C" "G" "T" "C" "C" "C" "C" "C" "A" "T" "T" "A" "A" "C"
##
   [8299] "T" "C" " " "A" "A" "G" "A" "C" "C" "A" "A" "C" "A" "T" "T" "T" "C" "T" "A"
   [8317] "A" "T" "T" "G" "T" "G" "T" "G" "A" "C" "T" "G" "A" "T" "C" "T"
##
##
   [8335] "G" "A" "T" "C" "A" "C" "C" "G" "T" "T" "A" "T" "T" "T" "T" "T" "G" "T" "T"
   [8353] "C" "T" "T" "T" "T" "T" "G" "T" "T" "G" "T" "A" "A" "C" "A" "A" "G"
##
   [8371] "C" " " "A" "A" "A" "T" "C" "A" "A" "C" "A" "A" "T" "T" "T" "G" "T" "T" "C"
##
   [8389] "T" "T" "G" "T" "A" "G" "T" "G" "A" "T" "C" "T" "T" "T" "A" "T" "T" "G"
##
   ##
   [8425] "T" "T" "A" "A" "T" "A" "T" "T" "C" "A" "G" "A" "T" "G" "G" "A" "A" "A" "A"
##
##
   [8443] " " "T" "G" "A" "T" "T" "C" "T" "C" "T" "C" "T" "A" "T" "T" "T" "T"
   [8461] "A" "G" "T" "A" "T" "A" "G" "T" "A" "A" "C" "T" "A" "A" "A" "A" "C" "T" "G"
##
   [8479] "G" "A" "A" "G" "A" "A" "A" "A" "T" "T" "T" "C" "T" "G" "T" "A" "T" "T"
##
   [8497] "G" "T" "C" "G" "T" "C" "A" "T" "G" "G" "G" "G" "A" "A" "A" "T" "T" "A" " "
   [8515] "A" "A" "T" "T" "C" "C" "C" "C" "T" "T" "A" "A" "A" "A" "T" "G" "A" "G"
##
   [8533] "T" "A" "C" "A" "G" "T" "T" "T" "A" "T" "T" "T" "C" "T" "T" "A" "T" "C"
##
   [8551] "C" "T" "T" "C" "T" "G" "T" "T" "G" "A" "C" "T" "T" "A" "A" "C" "C" "T"
   [8569] "A" "A" "A" "C" "A" "T" "A" "A" "G" "G" "A" "G" "G" "T" "T" "T" "T" "T" "T"
   [8587] "A" "T" "A" "C" "A" "T" "T" "A" "A" "A" "C" "G" "T" "A" "C" "G" "T" "A"
##
         "C" "T" "G" "T" "A" "T" "T" "G" "G" "T" "A" "G" "A" "T" "A" "A" "A" "C"
##
   [8605]
   [8623] "A" "A" "G" "C" "G" "C" "A" "C" "C" "A" "A" "A" "C" "G" "G" "T" "T" "C"
##
   [8641] "T" "A" "T" "T" "A" "A" "T" "G" "T" "A" "G" "G" "T" "T" "T" "A" " T"
   [8659] "T" "T" "T" "T" "A" "C" "G" "A" "A" "G" "T" "C" "T" "A" "C" "T" "A" "C"
##
         "T" "G" "C" "G" "T" "A" "A" "G" "T" "G" "T" "A" "A" "T" "C" "A" "T" "T"
##
   [8677]
   [8695] "G" "T" "T" "T" "C" "C" "G" "A" "C" "A" "G" "G" "T" "G" "G" "T" "A" "C"
##
   [8713] "G" "C" "T" "T" "C" "A" "C" "A" "G" "G" "G" "T" "A" "C" " " "T" "C" "G"
##
   [8731] "A" "A" "T" "A" "T" "T" "T" "C" "T" "A" "G" "T" "C" "G" "T" "A" "A" "G"
##
```

```
[8749] "G" "T" "T" "C" "T" "T" "A" "C" "A" "A" "G" "A" "C" "A" "A" "T" "A" "G"
    [8767] "A" "A" "A" "T" "A" "T" "C" "G" "G" "T" "G" "C" "C" "T" "T" "G" "G" "A"
##
    [8785] "G" "G" "T" "T" "C" "T" "C" "G" "A" "T" "C" "G" "A" " " " "A" "A" "A" "A" "C"
##
   ##
   ##
   [8857] "A" "C" "A" "T" "T" "G" "T" "A" "A" "A" "A" "A" "A" "T" "C" "A" "G" "A"
   [8875] "A" "T" "C" "C" "C" "A" "G" "C" "A" "T" "G" "T" "A" "T" "A" "T" "A" "G"
##
    [8893] "A" "T" "T" "A" "T" "T" "A" "C" "T" "C" "T" "A" "G" "G" "G" "G" "T" "A" "A"
##
    [8911] "A" "T" "A" "A" "T" "C" "G" "A" "C" "A" "T" "A" "C" "A" "T" "G" "T" "C"
##
    [8929] "A" "A" "C" "G" "T" "G" "T" "T" "A" "G" "T" " " "G" "G" "T" "T" "A" "G"
   [8947] "T" "T" "T" "C" "A" "A" "C" "T" "T" "A" "G" "A" "C" "G" "T" "A" "G" "T"
##
    [8965] "C" "T" "C" "T" "G" "T" "T" "T" "C" "A" "G" "T" "A" "A" "A" "T" "T" "C" "T"
   [8983] "A" "G" "A" "C" "T" "T" "A" "G" "C" "T" "G" "T" "T" "C" "G" "T" "C" "G"
##
   [9001] "C" "A" "T" "G" "G" "G" "C" "A" "T" "C" " " "C" "G" "T" "T" "G" "G" "T"
   [9019] "G" "A" "C" "A" "G" "A" "A" "T" "T" "T" "T" "G" "T" "C" "G" "A" "C" "A"
##
##
   [9037]
         "T" "G" "G" "A" "C" "C" "A" "C" "G" "T" "T" "G" "A" "G" "G" "A" "A" "A" "A"
    [9055] "T" "A" "G" "T" "C" "T" "T" "G" "G" "T" "C" "G" "T" "G" "G" "T" "T" "T"
   [9073] "T" "A" "C" "A" "T" "A" "T" "T" "G" " " "A" "G" "A" "G" "T" "A" "T" "A"
   [9091] "A" "T" "A" "T" "C" "C" "C" "A" "T" "G" "T" "C" "G" "A" "T" "T" "A" "C"
##
   ##
   [9127] "C" "T" "G" "T" "G" "T" "C" "A" "A" "C" "T" "C" "A" "T" "A" "T" "A" "A" "A"
##
   [9145] "A" "A" "C" "G" "C" "T" "G" "T" " "A" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "A"
##
   [9163] "T" "A" "C" "G" "G" "A" "A" "A" "T" "C" "C" "A" "T" "T" "A" "C" "A" "A"
   [9181] "C" "G" "T" "G" "A" "T" "A" "G" "T" "G" "G" "T" "A" "T" "T" "A" "A" "A" "A"
##
    [9199] "A" "C" "T" "T" "C" "C" "A" "G" "T" "G" "T" "G" "A" "A" "A" "A" "A" "G" "A"
   [9217] "T" "T" "A" "T" "C" "G" "T" " " "A" "A" "G" "A" "A" "A" "A" "C" "G" "T" "A"
##
   [9235] "A" "A" "A" "C" "A" "T" "T" "T" "C" "T" "A" "A" "T" "C" "C" "G" "T" "A"
   [9253] "T" "C" "G" "T" "T" "G" "T" "G" "G" "G" "C" "C" "A" "A" "C" "G" "G" "T"
##
   [9271] "G" "C" "G" "A" "A" "C" "T" "G" "A" "T" "C" "T" "A" "A" "C" "A" "T" "T"
   [9289] "A" "A" "A" "A" "C" "C" " "C" "A" "T" "T" "T" "T" "A" "C" "A" "A" "A"
##
##
   [9307] "G" "A" "T" "G" "T" "A" "C" "C" "G" "G" "T" "A" "G" "A" "A" "A" "A" "T" "G"
   [9325] "T" "G" "G" "T" "T" "T" "C" "G" "T" "A" "T" "T" "T" "A" "C" "T" "T" "T"
##
   [9343] "A" "A" "A" "G" "A" "C" "A" "T" "A" "T" "C" "A" "G" "T" "T" "A" "T" "C"
##
   [9361] "A" "G" "T" "G" "A" " "A" "A" "C" "T" "G" "T" "T" "G" "G" "A" "A" "T"
##
   [9379] "C" "T" "T" "T" "G" "A" "T" "G" "T" "C" "T" "A" "T" "T" "T" "A" "G" "A"
##
   ##
##
   [9415] "T" "G" "T" "T" "T" "T" "A" "G" "T" "A" "G" "T" "T" "C" "A" "T" "T" "A"
   [9433] "T" "T" "T" "A" " " "G" "T" "T" "A" "T" "T" "G" "T" "C" "T" "T" "G" "T"
##
   [9451] "G" "T" "G" "T" "G" "T" "G" "A" "A" "T" "C" "T" "A" "C" "T" "T" "G" "G"
##
   [9469] "A" "C" "A" "A" "A" "C" "G" "C" "G" "T" "A" "G" "A" "C" "A" "A" "T" "A"
   [9487] "C" "T" "T" "T" "A" "T" "C" "A" "A" "A" "A" "A" "T" "T" "G" "A" "C" "A"
##
   [9505] "T" "G" "A" " " "C" "A" "G" "G" "T" "A" "T" "C" "C" "T" "T" "A" "T" "T"
##
   [9523] "T" "T" "A" "G" "A" "A" "G" "A" "T" "T" "A" "A" "G" "T" "T" "T" "T" "C"
   [9541] "C" "A" "C" "T" "A" "A" "G" "G" "A" "A" "T" "T" "T" "T" "T" "G" "C" "A" "A"
   [9559] "A" "T" "C" "G" "A" "T" "C" "A" "G" "G" "T" "T" "A" "G" "T" "C" "A" "T"
##
    [9577] "C" "T" " "A" "C" "A" "T" "T" "T" "G" "G" "T" "G" "G" "A" "T" "T" "G"
##
   [9595] "A" "C" "T" "G" "A" "T" "A" "C" "T" "G" "A" "T" "T" "T" "T" "A" "G" "A"
##
   [9613] "G" "G" "T" "A" "T" "T" "T" "G" "C" "T" "A" "T" "A" "C" "A" "A" "G" "C"
   [9631] "T" "T" "C" "C" "G" "T" "A" "T" "C" "G" "G" "A" "A" "G" "A" "T" "T" "A"
##
   [9649] "A" " " "A" "T" "A" "T" "G" "G" "C" "A" "A" "G" "T" "T" "A" "C" "T" "T"
##
   [9667] "A" "A" "G" "T" "A" "G" "G" "T" "A" "T" "C" "G" "A" "T" "T" "A" "A" "G"
##
   [9685] "A" "T" "T" "C" "T" "T" "A" "G" "T" "T" "A" "A" "A" "A" "A" "A" "G" "T" "A"
##
   [9703] "A" "A" "C" "T" "G" "A" "G" "G" "A" "C" "C" "C" "A" "A" "A" "A" "T" "T" "T"
##
```

```
[9721] " " "A" "A" "G" "A" "A" "C" "A" "T" "T" "T" "A" "A" "A" "G" "A" "T" "G"
    [9739] "A" "G" "A" "C" "T" "C" "A" "T" "T" "T" "C" "A" "T" "T" "T" "C" "A" "A" "A"
##
   [9757] "G" "T" "C" "C" "A" "T" "T" "A" "A" "C" "A" "A" "C" "C" "T" "G" "T" "T"
   [9793] "A" "T" "T" "A" "T" "T" "A" "A" "C" "T" "T" "G" "A" "C" "A" "C" "A" "A" "A"
##
   [9811] "A" "A" "A" "T" "G" "C" "C" "G" "A" "A" "G" "A" "G" "G" "T" "T" "A" "A"
   [9829] "T" "T" "A" "C" "A" "C" "T" "G" "A" "G" "G" "T" "A" "A" "A" "T" "T" "C" "T"
   [9847] "G" "A" "T" "C" "G" "A" "A" "C" "A" "A" "C" "C" "C" "C" "T" "G" " " "G"
##
   [9865] "A" "T" "G" "T" "C" "T" "A" "C" "C" "A" "A" "C" "A" "T" "T" "T" "T" "G" "G"
   [9883] "A" "A" "A" "T" "T" "G" "T" "G" "A" "T" "G" "A" "A" "A" "G" "A" "C" "A"
##
   [9901] "T" "T" "A" "T" "T" "C" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "G" "C"
   [9937] "G" "A" "T" "G" "A" "A" "C" "T" "G" "G" "T" "A" "G" "T" "T" "G" "A" "G"
   [9955] "A" "T" "G" "G" "T" "A" "G" "T" "T" "T" "T" "T" "T" "T" "C"
   [9973] "A" "C" "T" "C" "A" "C" "C" "A" "C" "G" "T" "G" "T" "T" "T" "A" "G" "C"
   [9991] "A" "A" "A" "G" "T" "C" "A" "A" "C" "C" "A" "A" "A" "G" " " "A" "A" "C"
##
  Γ100097
         "C" "G" "A" "T" "A" "C" "A" "G" "T" "C" "A" "G" "T" "A" "T" "A" "T" "C" "T"
  [10027] "G" "T" "T" "T" "G" "T" "G" "T" "T" "A" "T" "C" "A" "T" "C" "T" "A"
  [10045] "T" "A" "T" "A" "C" "A" "C" "G" "A" "C" "C" "T" "C" "G" "T" "A" "G" "A"
  [10063] "G" "A" "A" "A" "A" "A" "C" "A" "T" "C" "A" "G" "G" "G" " " "T" "C" "T" "A"
  [10081] "G" "T" "G" "T" "C" "A" "T" "A" "A" "T" "C" "G" "T" "C" "G" "T" "T" "A"
## [10117] "C" "T" "C" "A" "T" "A" "A" "A" "G" "T" "G" "G" "A" "G" "A" "C" "C"
  [10135] "A" "T" "G" "A" "C" "C" "A" "A" "A" "T" "T" "A" " " "C" "A" "A" "C" "G"
  [10153] "C" "G" "A" "A" "T" "C" "G" "G" "G" "T" "T" "T" "C" "G" "A" "G" "T" "T"
  [10171] "T" "A" "C" "G" "A" "T" "G" "T" "A" "A" "T" "T" "G" "T" "C" "C" "A" "T"
[10207] "T" "G" "T" "T" "A" "A" "G" "A" "T" "G" "T" " "A" "G" "T" "T" "G" "T"
## [10225] "G" "G" "T" "A" "G" "T" "T" "G" "A" "A" "A" "A" "C" "A" "C" "A" "T" "T"
## [10243] "T" "G" "T" "C" "A" "C" "A" "A" "T" "A" "A" "T" "A" "C" "T" "A" "T"
## [10261] "C" "T" "T" "G" "A" "C" "C" "A" "T" "G" "A" "A" "G" "T" "G" "G" "G"
  [10279] "A" "C" "A" "A" "C" "A" "G" "G" "T" "A" " "G" "T" "T" "T" "T" "C" "A" "C"
  [10297] "A" "G" "G" "G" "A" "A" "T" "A" "A" "A" "T" "G" "T" "T" "G" "T" "A" "A"
## [10315] "T" "T" "T" "T" "C" "G" "G" "T" "G" "T" "A" "A" "A" "A" "G" "A" "T" "T"
## [10333] "T" "G" "A" "G" "A" "C" "T" "T" "C" "A" "G" "A" "A" "C" "A" "T" "T" "T"
## [10351] "T" "C" "A" "C" "A" "A" "G" "G" "T" " " "C" "T" "C" "C" "A" "A" "T" "A"
## [10369] "T" "T" "C" "A" "T" "A" "G" "T" "T" "A" "A" "A" "C" "A" "A" "A" "C" "A"
## [10387] "T" "T" "T" "G" "G" "G" "T" "G" "T" "C" "G" "A" "T" "T" "T" "C" "G"
## [10405] "G" "T" "C" "G" "A" "C" "T" "C" "T" "A" "G" "T" "A" "G" "T" "A" "C" "A"
## [10423] "A" "T" "A" "T" "T" "C" "G" "T" " "A" "G" "C" "T" "C" "T" "A" "T" "G"
## [10441] "T" "T" "A" "G" "A" "C" "A" "T" "G" "A" "G" "T" "A" "A" "T" "C" "G" "T"
## [10459] "A" "C" "T" "A" "C" "A" "G" "A" "T" "G" "T" "C" "T" "G" "T" "C" "G" "T"
## [10477] "G" "G" "T" "G" "G" "A" "T" "T" "A" "A" "C" "G" "T" "T" "G" "C" "A"
## [10495] "C" "A" "A" "T" "A" "T" "G" " "T" "G" "C" "A" "T" "C" "G" "T" "C" "T"
## [10513] "G" "A" "A" "A" "T" "C" "A" "C" "C" "A" "T" "G" "T" "A" "T" "T" "A" "G"
## [10531] "A" "T" "A" "T" "A" "G" "A" "C" "T" "G" "T" "G" "A" "T" "G" "A" "A" "C"
  [10549] "A" "A" "A" "A" "G" "G" "T" "A" "C" "T" "C" "T" "G" "A" "G" "T" "G" "T"
  [10567] "A" "C" "C" "T" "G" "A" " "C" "A" "G" "T" "C" "T" "C" "T" "C" "A" "T" "T" "A"
  [10585] "T" "C" "T" "T" "T" "T" "T" "A" "C" "C" "A" "T" "T" "A" "A" "A" "C" "A"
## [10603] "A" "A" "T" "T" "T" "A" "A" "T" "T" "G" "T" "T" "T" "T" "C" "G" "T" "G"
  [10621] "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "T" "C" "G" "A" "C" "C" "A" "C"
## [10639] "A" "C" "A" "C" "C" " " "T" "T" "A" "C" "G" "T" "A" "C" "A" "A" "A" "T"
## [10657] "A" "A" "A" "T" "G" "T" "A" "T" "G" "T" "T" "G" "A" "C" "G" "G" "T"
## [10675] "G" "G" "T" "A" "G" "T" "G" "T" "G" "G" "T" "C" "C" "C" "G" "T" "T" "C"
```

```
## [10693] "A" "A" "T" "T" "C" "C" "A" "A" "T" "C" "T" "A" "T" "C" "G" "T" "G" "A"
   [10711] "G" "A" "T" "C" " " "A" "C" "A" "G" "T" "T" "T" "A" "G" "A" "T" "G" "T"
  [10729] "T" "T" "G" "T" "T" "A" "C" "C" "T" "T" "A" "A" "T" "C" "G" "T" "C" "C"
## [10747] "T" "A" "T" "A" "G" "A" "T" "A" "G" "C" "T" "G" "T" "A" "A" "A" "C" "T"
## [10765] "T" "A" "A" "G" "G" "T" "T" "T" "T" "A" "T" "C" "C" "G" "T" "A" "T" "G"
## [10783] "T" "G" "G" " " "T" "A" "G" "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "C" "A"
## [10801] "G" "T" "C" "T" "T" "A" "C" "A" "C" "A" "C" "G" "T" "A" "T" "T" "C"
## [10819] "T" "T" "A" "T" "C" "T" "T" "A" "T" "T" "A" "A" "G" "A" "A" "G" "A" "T"
   [10837] "A" "A" "A" "A" "A" "T" "A" "T" "C" "G" "A" "A" "A" "A" "C" "A" "G" "T" "G"
  [10855] "A" "T" " "G" "T" "T" "C" "C" "G" "A" "C" "A" "C" "G" "T" "A" "G" "T"
  [10873] "A" "T" "C" "T" "T" "G" "A" "A" "G" "G" "T" "A" "A" "G" "A" "T" "G" "T"
## [10891] "A" "G" "T" "C" "G" "A" "A" "C" "T" "C" "C" "A" "T" "G" "T" "G" "T" "G"
  [10909] "A" "A" "T" "T" "A" "T" "C" "G" "A" "A" "A" "A" "T" "C" "C" "A" "A" "T"
## [10927] "G" " "G" "T" "T" "A" "C" "A" "G" "C" "A" "C" "T" "T" "C" "T" "T" "G"
## [10945] "A" "C" "C" "C" "T" "T" "A" "A" "A" "C" "A" "G" "A" "C" "G" "A" "T" "T"
## [10963] "A" "T" "T" "A" "C" "G" "T" "C" "G" "A" "A" "A" "T" "T" "G" "T" "T" "G"
  [10981] "G" "T" "A" "C" "A" "C" "A" "C" "T" "T" "G" "G" "A" "A" "A" "A" "G" "A"
  [10999] " " "T" "G" "T" "T" "C" "G" "G" "C" "G" "T" "A" "A" "T" "T" "A" "G" "A"
  [11017] "A" "G" "T" "C" "A" "A" "G" "T" "A" "G" "T" "G" "G" "T" "T" "A" "A" "T"
## [11035] "A" "T" "C" "C" "T" "A" "T" "A" "G" "T" "T" "A" "T" "C" "A" "G" "G"
## [11053] "T" "C" "A" "G" "T" "T" "G" "T" "G" "C" "G" "A" "A" "T" "T" "G" "T" "
## [11071] "T" "T" "C" "G" "T" "G" "A" "G" "C" "A" "C" "C" "T" "G" "T" "C" "G" "A"
## [11089] "T" "C" "T" "G" "T" "G" "G" "A" "T" "C" "A" "G" "T" "A" "C" "T" "A" "A"
## [11107] "C" "G" "T" "A" "G" "T" "G" "T" "G" "A" "T" "C" "G" "A" "T" "G" "A" "T" "G" "A" "T" "G" "T"
## [11125] "A" "C" "A" "C" "G" "T" "A" "A" "T" "G" "G" "T" "A" "C" "C" "T" " " "G"
  [11143] "A" "A" "C" "T" "G" "T" "T" "A" "T" "G" "T" "C" "T" "A" "G" "T" "A" "C"
## [11161] "C" "A" "A" "C" "G" "A" "A" "A" "C" "G" "A" "T" "C" "C" "A" "A" "T" "G" "G"
  [11179] "A" "C" "A" "T" "T" "T" "T" "G" "G" "G" "G" "T" "A" "A" "C" "A" "A" "C"
## [11197] "T" "T" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "T" "T" "T" "T" " "G" "C"
## [11215] "C" "T" "A" "A" "T" "A" "T" "C" "T" "G" "C" "A" "T" "T" "A" "G" "T" "T"
## [11233] "T" "A" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "A" "C" "G" "G"
  [11251] "T" "T" "G" "T" "C" "C" "G" "T" "A" "T" "T" "C" "A" "C" "A" "G" "A" "C"
## [11269] "T" "T" "C" "G" "T" "C" "A" "C" "C" "T" "T" "T" "T" "C" " " "G" "T" "A"
## [11287] "C" "A" "C" "C" "G" "T" "G" "C" "A" "G" "A" "T" "A" "G" "T" "G" "T" "A"
## [11305] "T" "C" "T" "G" "T" "T" "G" "T" "C" "C" "A" "C" "G" "C" "G" "A" "G" "T"
## [11323] "C" "C" "A" "G" "G" "A" "T" "A" "A" "A" "A" "G" "T" "G" "T" "T" "T" "T" "T"
## [11341] "A" "T" "G" "A" "A" "G" "T" "A" "T" "C" "T" "A" "C" " " "A" "G" "T" "T"
## [11359] "G" "A" "G" "T" "T" "T" "C" "G" "G" "T" "A" "C" "A" "C" "G" "G" "G" "T"
## [11377] "A" "T" "T" "C" "T" "G" "T" "T" "A" "T" "G" "C" "T" "G" "A" "G" "A"
## [11395] "C" "A" "G" "T" "C" "T" "C" "T" "C" "T" "A" "A" "A" "A" "A" "A" "T" "T" "C"
## [11413] "A" "C" "A" "C" "A" "G" "T" "G" "A" "A" "T" "T" " " "G" "T" "A" "A" "A" "A"
## [11431] "C" "A" "T" "G" "T" "T" "A" "G" "A" "A" "A" "T" "A" "T" "G" "C" "G" "T"
## [11449] "G" "A" "T" "G" "T" "A" "A" "G" "G" "T" "T" "C" "C" "T" "T" "C" "A" "G"
## [11467] "G" "A" "A" "A" "C" "A" "T" "G" "T" "A" "T" "T" "C" "A" "C" "C" "A" "T"
## [11485] "A" "C" "T" "C" "C" "A" "C" "A" "A" "A" "T" " "T" "T" "A" "A" "C" "T"
## [11503] "A" "G" "A" "G" "G" "T" "C" "C" "G" "C" "C" "A" "C" "C" "A" "A" "A" "A" "T"
   [11521] "C" "G" "T" "G" "A" "T" "T" "G" "A" "G" "A" "C" "C" "T" "T" "T" "T" "T" "T"
  [11539] "A" "G" "A" "C" "A" "T" "A" "A" "T" "A" "A" "T" "C" "C" "A" "C" "A" "T"
  [11557] "A" "G" "T" "T" "G" "T" "A" "T" "T" "G" " " " "G" "A" "C" "A" "T" "C" "C"
## [11575] "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "T" "C" "C" "A" "A" "T" "T" "G"
  [11593] "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "T" "T" "T" "G" "G" "A" "T" "C"
## [11611] "G" "A" "C" "A" "T" "T" "T" "C" "C" "A" "T" "T" "T" "A" "A" "C" "C" "A"
## [11629] "T" "G" "G" "T" "T" "G" "T" "C" "G" " " "A" "A" "G" "A" "G" "A" "T" "C"
## [11647] "A" "T" "C" "G" "T" "A" "C" "T" "G" "T" "G" "G" "G" "G" "A" "G" "C" "T"
```

```
## [11665] "G" "T" "A" "G" "C" "T" "T" "C" "G" "G" "T" "T" "A" "G" "G" "T" "A" "C"
  [11683] "G" "T" "G" "C" "A" "T" "G" "T" "A" "C" "A" "G" "A" "A" "A" "T" "A" "T" "C"
  [11701] "G" "A" "A" "G" "A" "A" "G" "C" " " "G" "C" "C" "C" "C" "A" "C" "T" "A" "T"
## [11719] "T" "T" "G" "T" "A" "C" "A" "A" "T" "C" "C" "C" "A" "T" "T" "T" "G" "G" "T"
## [11737] "A" "A" "T" "T" "G" "A" "A" "C" "T" "A" "T" "T" "A" "A" "G" "T" "A" "A" "A"
## [11755] "A" "A" "T" "T" "T" "T" "G" "G" "G" "T" "A" "G" "T" "A" "T" "C" "T" "C"
## [11773] "T" "A" "C" "T" "C" "A" "G" " " "A" "G" "A" "T" "A" "T" "C" "C" "A"
## [11791] "G" "T" "A" "C" "A" "G" "G" "A" "A" "T" "C" "C" "A" "T" "A" "C" "G" "G"
  [11809] "T" "C" "C" "A" "T" "G" "C" "A" "G" "T" "T" "G" "T" "G" "T" "A" "T" "T"
  [11827] "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "A" "C" "T" "T" "A" "A" "A" "A"
  [11845] "T" "C" "A" "C" "A" "G" " " "T" "T" "G" "T" "G" "A" "C" "T" "C" "C" "A"
## [11863] "C" "A" "C" "A" "T" "C" "C" "A" "C" "G" "G" "A" "C" "A" "C" "A" "T" "C"
## [11881] "C" "T" "A" "C" "A" "T" "T" "G" "G" "G" "T" "C" "A" "C" "T" "A" "A" "T"
## [11899] "G" "G" "A" "A" "T" "G" "A" "T" "G" "T" "T" "A" "G" "A" "A" "A" "T" "T"
## [11917] "T" "C" "T" "C" "A" " " "G" "G" "A" "C" "A" "A" "T" "G" "T" "A" "A" "A"
## [11935] "A" "G" "T" "C" "G" "A" "A" "C" "A" "T" "T" "T" "C" "A" "A" "C" "G" "G"
  [11953] "T" "G" "T" "A" "A" "G" "G" "A" "T" "G" "C" "A" "C" "C" "T" "T" "A" "A"
  [11971] "A" "G" "T" "T" "C" "T" "G" "A" "A" "C" "A" "T" "T" "T" "A" "A" "C" "G"
## [11989] "T" "T" "G" "A" " " "A" "C" "A" "G" "T" "A" "T" "T" "T" "C" "C" "A" "G"
## [12007] "A" "G" "A" "T" "A" "G" "T" "C" "T" "G" "T" "A" "A" "T" "A" "C" "G" "T"
## [12025] "T" "T" "C" "A" "T" "A" "C" "G" "G" "A" "T" "G" "A" "A" "A" "A" "C" "G"
## [12043] "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "C" "G" "T" "T" "G" "T" "A" "A"
## [12061] "T" "T" "T" " "A" "G" "A" "C" "A" "A" "A" "T" "G" "T" "A" "A" "T" "G"
## [12079] "T" "T" "C" "T" "C" "A" "C" "T" "C" "G" "A" "C" "A" "A" "A" "A" "G" "T" "C"
## [12097] "A" "C" "C" "A" "A" "A" "C" "T" "C" "A" "C" "T" "T" "A" "T" "A" "C" "T"
  [12115] "G" "T" "A" "T" "C" "A" "G" "T" "A" "T" "A" "A" "G" "A" "C" "T" "C" "G"
## [12133] "G" "G" " " "A" "C" "A" "C" "T" "A" "C" "T" "A" "G" "T" "T" "G" "T"
## [12151] "C" "A" "A" "A" "C" "T" "C" "A" "A" "C" "C" "A" "T" "C" "A" "G" "G" "G"
## [12169] "T" "T" "T" "A" "G" "A" "A" "A" "C" "T" "C" "C" "G" "A" "T" "G" "T"
## [12187] "C" "G" "T" "A" "A" "G" "A" "C" "A" "C" "T" "T" "A" "A" "T" "A" "T" "T"
## [12205] "C" " " "C" "A" "C" "T" "T" "T" "A" "T" "T" "T" "C" "T" "G" "T" "C" "G"
  [12223] "A" "A" "A" "A" "G" "A" "G" "G" "T" "T" "C" "G" "T" "C" "C" "C" "A" "A"
## [12241] "T" "G" "C" "A" "C" "A" "T" "T" "C" "C" "T" "T" "A" "A" "G" "A" "G" "A"
## [12259] "A" "T" "G" "G" "T" "G" "C" "G" "A" "T" "A" "A" "A" "A" "C" "A" "C" "C"
## [12277] " " "G" "G" "A" "C" "A" "A" "T" "T" "A" "A" "C" "G" "T" "C" "T" "A" "C"
## [12295] "T" "T" "T" "G" "T" "A" "G" "T" "A" "C" "G" "C" "A" "C" "T" "A" "T" "T"
## [12313] "G" "T" "G" "G" "G" "A" "A" "T" "A" "T" "T" "T" "T" "T" "G" "T" "A" "A" "A"
## [12331] "A" "T" "T" "T" "C" "G" "T" "A" "A" "C" "T" "C" "G" "A" "C" "T" "A" " "
## [12349] "A" "A" "C" "A" "G" "A" "A" "A" "T" "A" "C" "A" "C" "G" "A" "A" "A" "T"
## [12367] "T" "C" "G" "A" "A" "T" "A" "T" "A" "G" "T" "A" "T" "T" "T" "T" "G" "G"
## [12385] "T" "T" "T" "C" "G" "T" "G" "A" "G" "T" "G" "T" "C" "A" "C" "A" "G" "T"
## [12403] "T" "G" "T" "T" "A" "A" "A" "G" "T" "C" "G" "T" "C" "C" "T" "G" "T" "G" "T"
## [12421] "T" "G" "C" "G" "G" "C" "T" "G" "T" "C" "A" "A" "G" "G" "C" "T" "C"
## [12439] "C" "T" "T" "G" "T" "A" "C" "A" "G" "A" "C" "C" "T" "G" "G" "A" "T" "A"
## [12457] "T" "C" "A" "A" "A" "A" "G" "T" "A" "T" "T" "C" "A" "G" "A" "T" "G" "T"
[12493] "G" "A" "C" "C" "A" "A" "G" "A" "T" "C" "A" "C" "A" "C" "G" "G" "G" "A"
## [12511] "A" "T" "C" "A" "A" "T" "C" "G" "T" "T" "A" "C" "A" "C" "G" "C" "A" "C"
## [12529] "C" "A" "C" "G" "T" "C" "C" "A" "T" "T" "A" "A" "C" "T" "C" "G" "T" "C"
## [12547] "C" "C" "A" "G" "C" "G" "G" "T" "T" "A" "C" "A" "T" "G" " " "T" "G" "T"
## [12565] "A" "T" "C" "A" "C" "G" "A" "A" "T" "C" "G" "T" "G" "C" "A" "T" "T" "A"
## [12583] "G" "A" "C" "C" "G" "T" "A" "A" "C" "T" "G" "T" "T" "G" "T" "G" "A" "G"
## [12601] "T" "T" "A" "G" "T" "A" "T" "T" "A" "A" "A" "C" "A" "C" "C" "G" "G"
## [12619] "T" "A" "A" "C" "T" "T" "T" "A" "A" "A" "G" "T" "A" " " "G" "T" "T" "T"
```

```
## [12637] "C" "T" "G" "T" "T" "G" "A" "T" "A" "T" "A" "G" "A" "C" "G" "A" "C" "A"
  [12655] "G" "C" "A" "G" "A" "G" "T" "C" "C" "G" "T" "T" "A" "C" "G" "T" "A" "A"
## [12673] "A" "T" "G" "T" "C" "A" "T" "G" "T" "T" "T" "T" "C" "T" "G" "T" "A" "T"
## [12691] "G" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C" "A" " " "A" "C" "T" "T" "A"
## [12709] "A" "G" "T" "G" "A" "A" "A" "C" "T" "T" "A" "A" "A" "T" "A" "G" "T" "T"
## [12727] "T" "T" "G" "T" "G" "A" "G" "A" "T" "G" "T" "G" "C" "T" "C" "G" "T" "G"
## [12745] "C" "A" "C" "G" "T" "C" "C" "A" "T" "A" "T" "A" "A" "A" "G" "A" "T" "G"
## [12763] "A" "T" "G" "T" "A" "A" "A" "T" "A" "G" "A" " " "T" "A" "T" "C" "C" "G"
  ## [12799] "A" "G" "T" "G" "T" "A" "T" "C" "A" "C" "G" "T" "A" "G" "T" "T" "G" "T"
  [12817] "C" "G" "C" "C" "G" "T" "A" "C" "T" "C" "T" "C" "G" "T" "T" "C" "G" "T" "C" "G" "A"
## [12835] "C" "A" "T" "A" "T" "G" "T" "G" "A" "T" " "A" "C" "G" "C" "T" "C" "G"
## [12853] "T" "C" "T" "T" "C" "C" "C" "A" "T" "C" "A" "T" "C" "T" "C" "T" "C" "G"
## [12871] "A" "T" "C" "C" "G" "G" "T" "T" "A" "T" "C" "G" "T" "T" "T" "T" "A" "C"
## [12889] "T" "G" "A" "G" "A" "A" "T" "G" "G" "T" "C" "A" "T" "G" "G" "T" "C" "C"
## [12907] "A" "C" "C" "A" "G" "G" "G" "A" "C" " " "C" "T" "C" "A" "C" "A" "T" "C"
  [12925] "T" "T" "A" "T" "G" "A" "A" "A" "A" "C" "G" "T" "A" "T" "G" "G" "T" "T"
## [12943] "G" "G" "A" "A" "A" "A" "C" "T" "A" "T" "T" "A" "A" "A" "C" "G" "T" "T"
## [12961] "G" "T" "A" "A" "C" "G" "A" "T" "C" "T" "T" "T" "T" "G" "A" "G" "T" "A"
## [12979] "G" "A" "C" "T" "C" "T" "A" "T" " "A" "A" "C" "T" "C" "A" "C" "A" "A"
## [12997] "C" "C" "C" "A" "T" "A" "T" "T" "C" "G" "G" "T" "C" "A" "T" "T" "A" "A"
## [13015] "G" "A" "T" "T" "G" "T" "A" "T" "C" "A" "C" "G" "A" "G" "A" "A" "C" "A"
## [13033] "C" "C" "G" "T" "G" "A" "T" "C" "A" "C" "A" "T" "C" "C" "A" "C" "A" "C" "G" "T"
## [13051] "G" "A" "A" "T" "T" "A" "C" " " "C" "G" "T" "A" "A" "T" "G" "A" "C" "A"
## [13069] "T" "A" "C" "A" "C" "T" "A" "C" "A" "G" "T" "C" "G" "T" "G" "T" "T" "T"
  [13087] "T" "A" "T" "T" "A" "G" "T" "G" "G" "T" "T" "G" "T" "A" "A" "A" "T" "T"
## [13105] "A" "A" "A" "C" "A" "T" "T" "C" "A" "A" "C" "A" "A" "C" "A" "T" "G" "G"
  [13123] "A" "G" "C" "C" "A" "T" " "T" "T" "G" "T" "G" "T" "C" "G" "T" "A"
## [13141] "G" "T" "G" "G" "T" "A" "T" "C" "A" "G" "T" "G" "G" "A" "A" "A" "A" "A" "A"
## [13159] "G" "T" "T" "T" "C" "C" "A" "C" "A" "T" "G" "A" "G" "A" "G" "G" "A" "T"
## [13177] "A" "A" "A" "C" "A" "T" "G" "A" "A" "A" "A" "G" "A" "C" "A" "A" "A" "A" "A"
  [13195] "A" "T" "C" "A" "A" " " "T" "G" "T" "G" "C" "T" "A" "T" "T" "G" "C" "T"
  [13213] "C" "A" "T" "T" "T" "C" "T" "G" "T" "A" "T" "T" "A" "A" "A" "A" "G" "C" "C"
## [13231] "A" "A" "T" "T" "C" "A" "C" "C" "A" "C" "C" "A" "G" "A" "T" "C" "C" "A"
## [13249] "A" "A" "T" "G" "G" "T" "T" "G" "A" "A" "G" "G" "G" "T" "A" "C" "T" "T"
## [13267] "T" "C" "T" "A" " " "C" "A" "T" "T" "A" "A" "G" "A" "G" "A" "C" "A" "G"
## [13285] "T" "C" "T" "G" "T" "C" "G" "T" "G" "A" "A" "G" "T" "G" "C" "A" "T" "G"
## [13303] "T" "C" "A" "T" "C" "G" "T" "T" "A" "T" "G" "G" "T" "A" "T" "A" "T" "C" "T"
## [13321] "G" "T" "C" "A" "A" "A" "T" "T" "T" "A" "C" "A" "G" "A" "G" "G" "A" "G"
## [13339] "T" "C" "A" " "T" "C" "G" "A" "A" "A" "C" "T" "C" "G" "C" "A" "A" "A" "A"
## [13357] "G" "A" "C" "G" "A" "C" "G" "T" "T" "T" "T" "T" "C" "G" "A" "A" "C" "T"
## [13375] "C" "A" "G" "A" "A" "A" "G" "T" "C" "A" "T" "G" "T" "C" "C" "A" "C" "A"
## [13393] "A" "T" "C" "G" "A" "T" "T" "T" "A" "C" "A" "T" "T" "A" "G" "T" "G"
## [13411] "G" "T" " "C" "G" "T" "A" "A" "C" "A" "G" "G" "T" "C" "A" "G" "T"
## [13429] "G" "T" "A" "C" "A" "A" "C" "G" "T" "T" "A" "A" "C" "G" "T" "A" "A" "T"
## [13447] "T" "T" "C" "A" "G" "T" "C" "A" "T" "T" "G" "T" "A" "A" "T" "A" "G" "C"
  [13465] "G" "A" "T" "G" "G" "T" "T" "G" "T" "A" "C" "A" "T" "A" "A" "A" "A"
  [13501] "A" "A" "C" "A" "G" "G" "T" "A" "A" "T" "C" "G" "T" "G" "T" "G" "T" "T"
## [13519] "A" "C" "C" "T" "T" "T" "T" "G" "A" "T" "T" "A" "C" "C" "C" "A" "C" "C"
## [13537] "A" "A" "A" "T" "A" "C" "A" "C" "T" "A" "A" "A" "T" "G" "T" "T" "A" "T"
## [13555] " " "T" "A" "T" "C" "G" "A" "G" "T" "A" "T" "G" "G" "A" "G" "G" "A" "T"
## [13573] "T" "C" "A" "T" "T" "T" "C" "A" "A" "C" "T" "C" "A" "G" "T" "G" "T" "A"
## [13591] "G" "A" "C" "A" "C" "T" "G" "T" "A" "G" "T" "G" "T" "T" "G" "G" "A" "C"
```

```
## [13609] "C" "T" "C" "G" "T" "A" "A" "C" "G" "T" "T" "T" "G" "T" "A" "T" "G" " "
  [13645] "T" "T" "A" "A" "A" "T" "A" "C" "A" "C" "T" "A" "C" "T" "A" "C" "A" "A" "C" "T" "A"
## [13663] "T" "A" "C" "T" "G" "T" "A" "C" "C" "A" "G" "C" "A" "T" "T" "G" "T" "C"
## [13681] "G" "T" "A" "A" "A" "T" "G" "T" "T" "G" "T" "A" "T" "T" "C" "T" " "T"
## [13699] "A" "C" "C" "A" "G" "A" "T" "G" "C" "A" "T" "A" "C" "G" "T" "T" "C" "G"
## [13717] "T" "G" "G" "T" "G" "T" "A" "G" "A" "A" "T" "T" "A" "C" "T" "T" "C" "A"
## [13735] "G" "A" "C" "A" "C" "T" "T" "A" "A" "C" "G" "T" "T" "T" "C" "T" "T" "G"
  [13753] "T" "G" "T" "T" "C" "G" "G" "G" "G" "T" "T" "G" "T" "C" "G" " " "G" "A"
  [13771] "C" "A" "T" "T" "C" "T" "G" "A" "C" "A" "T" "A" "C" "G" "C" "C" "A" "C"
  [13789] "A" "C" "A" "T" "G" "T" "A" "T" "C" "G" "G" "A" "G" "T" "A" "T" "T" "T"
## [13807] "T" "G" "A" "G" "T" "C" "C" "A" "A" "G" "G" "G" "T" "T" "A" "T" "G" "G"
## [13825] "A" "A" "C" "T" "T" "C" "A" "C" "A" "A" "T" "A" "G" "T" " " "A" "A" "T"
## [13843] "C" "A" "T" "T" "C" "G" "T" "A" "T" "T" "G" "T" "C" "T" "T" "A" "T" "G"
## [13861] "T" "A" "C" "A" "G" "A" "T" "T" "G" "T" "A" "C" "A" "C" "A" "G" "G" "A"
## [13879] "C" "A" "A" "T" "T" "G" "A" "G" "T" "A" "G" "T" "A" "C" "A" "T" "C" "G"
  [13897] "A" "A" "A" "G" "A" "A" "T" "A" "C" "A" "T" "A" "A" "A" "A" "A" "T" "T"
## [13915] "C" "A" "T" "G" "T" "T" "A" "C" "T" "T" "T" "C" "T" "G" "T" "A" "G"
## [13933] "T" "C" "G" "T" "A" "T" "G" "A" "G" "G" "A" "C" "T" "A" "A" "T" "C" "C"
## [13951] "T" "A" "C" "A" "A" "A" "T" "C" "A" "T" "T" "C" "A" "C" "C" "C" "C" "A" "T"
## [13969] "T" "C" "G" "T" "A" "G" "A" "T" "A" "T" "C" "G" " " "A" "T" "T" "T" "C"
## [13987] "T" "G" "T" "G" "C" "T" "T" "G" "G" "C" "A" "A" "G" "T" "T" "A" "G" "T"
## [14005] "A" "T" "T" "C" "A" "C" "A" "T" "G" "G" "T" "A" "G" "A" "C" "A" "A" "A" "A"
## [14023] "A" "A" "T" "G" "C" "T" "A" "T" "A" "G" "T" "A" "G" "A" "T" "G" "T" "T"
## [14059] "T" "A" "A" "G" "A" "A" "C" "T" "A" "C" "T" "A" "G" "A" "C" "C" "C"
## [14077] "A" "T" "T" "C" "C" "T" "T" "C" "C" "A" "T" "G" "T" "G" "T" "A" "T" "T"
## [14095] "A" "G" "T" "A" "G" "T" "G" "G" "G" "A" "C" "A" "A" "A" "T" "T" "G" "A"
## [14113] "T" "C" "G" "T" "A" "A" "C" "A" "T" "A" " " "C" "A" "A" "C" "T" "C" "T"
## [14131] "C" "G" "T" "T" "T" "T" "A" "A" "G" "T" "A" "C" "T" "C" "C" "A" "G" "G"
## [14149] "A" "A" "A" "T" "C" "A" "T" "C" "G" "A" "G" "T" "C" "A" "G" "A" "G"
  [14167] "T" "C" "A" "G" "G" "T" "T" "G" "T" "A" "A" "A" "A" "A" "C" "G" "A" "A" "A" "G"
## [14185] "T" "C" "T" "G" "T" "A" "T" "T" "T" "T" "T" "T" "G" "T" "A" "A" "C" "A"
## [14203] "A" "A" "A" "C" "T" "A" "T" "T" "A" "T" "T" "C" "T" "T" "G" "A" "C"
## [14221] "T" "G" "A" "A" "T" "T" "T" "C" "A" "A" "G" "A" "A" "A" "A" "T" "A" "C" "G"
## [14239] "A" "T" "C" "G" "G" "T" "G" "A" "T" "C" "T" "G" "G" "A" "A" "C" "T" "C"
## [14257] "T" "A" "C" "G" "T" "A" "T" "T" " " "C" "A" "C" "G" "A" "T" "A" "A" "C"
## [14275] "T" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "T" "A" "G" "T" "A" "G" "C"
## [14293] "A" "G" "T" "C" "T" "C" "T" "C" "A" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G"
## [14311] "C" "T" "C" "T" "T" "T" "A" "C" "A" "A" "A" "T" "G" "C" "G" "T" "T" "T"
## [14329] "A" "T" "A" "C" "G" "C" "A" " " "T" "T" "T" "T" "G" "A" "G" "T" "A" "A"
## [14347] "G" "T" "G" "T" "T" "T" "C" "A" "G" "A" "C" "A" "C" "A" "G" "T" "T" "G"
## [14365] "T" "A" "G" "A" "G" "A" "T" "A" "A" "G" "A" "T" "A" "T" "C" "T" "C"
## [14383] "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "T" "C" "A" "G" "A" "C" "A" "C" "A" "C"
## [14401] "A" "A" "C" "A" "T" "T" " "T" "A" "A" "C" "G" "C" "C" "T" "G" "T" "A"
## [14419] "T" "G" "A" "A" "T" "A" "G" "C" "C" "G" "T" "T" "A" "A" "A" "A" "A" "C" "A"
  [14437] "A" "T" "G" "G" "T" "A" "G" "T" "C" "A" "T" "C" "T" "A" "T" "T" "T" "T"
## [14455] "C" "A" "C" "G" "T" "A" "A" "T" "T" "G" "T" "A" "A" "C" "C" "G" "G" "C"
## [14473] "A" "C" "T" "G" "T" " " "C" "G" "A" "A" "C" "T" "G" "T" "T" "T" "A" "C"
## [14491] "A" "A" "T" "T" "T" "T" "T" "G" "T" "G" "A" "T" "A" "A" "T" "C" "G" "T"
## [14509] "A" "T" "T" "C" "G" "T" "C" "A" "A" "C" "A" "C" "C" "G" "T" "A" "G" "A"
## [14527] "G" "G" "A" "C" "T" "A" "C" "T" "C" "C" "A" "A" "G" "G" "T" "G" "G" "A"
## [14545] "C" "C" "A" "A" " " "A" "T" "T" "G" "T" "A" "T" "A" "T" "C" "A" "C" "T"
## [14563] "T" "G" "G" "C" "G" "G" "T" "G" "T" "G" "T" "A" "C" "T" "G" "G" "T" "A"
```

```
## [14581] "A" "A" "G" "T" "G" "A" "G" "T" "T" "A" "T" "G" "A" "A" "C" "T" "C" "G"
  [14599] "T" "G" "T" "G" "A" "G" "T" "A" "A" "T" "C" "G" "A" "T" "T" "A" "G" "A"
## [14617] "T" "A" "T" " "C" "T" "T" "T" "G" "C" "C" "A" "C" "A" "C" "T" "G" "T"
## [14635] "T" "C" "G" "A" "T" "G" "T" "T" "G" "T" "G" "C" "A" "A" "C" "A" "T" "A"
## [14653] "C" "A" "A" "A" "C" "G" "C" "T" "C" "G" "T" "T" "C" "T" "T" "G" "T" "T"
## [14671] "C" "A" "C" "T" "C" "C" "G" "G" "T" "A" "T" "T" "A" "A" "G" "A" "T" "T"
## [14689] "C" "G" " " "T" "A" "C" "A" "A" "T" "C" "C" "G" "T" "A" "C" "C" "G" "A"
## [14707] "G" "A" "T" "A" "G" "T" "G" "T" "A" "A" "A" "T" "C" "C" "T" "A" "T" "T"
## [14725] "A" "G" "G" "G" "T" "T" "G" "G" "G" "T" "A" "T" "T" "C" "C" "A" "C" "T"
## [14743] "C" "C" "C" "A" "A" "A" "A" "G" "A" "T" "G" "T" "A" "G" "T" "G" "A" "T"
  [14761] "A" " " "T" "T" "T" "G" "T" "C" "A" "A" "A" "A" "A" "T" "T" "G" "T" "A"
## [14779] "T" "A" "A" "C" "A" "C" "G" "G" "T" "T" "G" "G" "T" "G" "G" "T" "A" "T"
## [14797] "C" "T" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "A" "G" "G" "T" "T" "A"
## [14815] "A" "T" "G" "A" "T" "G" "T" "C" "A" "T" "C" "G" "A" "G" "G" "A" "G" "A" "G" "A"
## [14833] " " "T" "C" "A" "C" "C" "G" "C" "G" "A" "T" "A" "A" "C" "T" "A" "A"
[14869] "T" "G" "A" "C" "A" "G" "A" "T" "A" "A" "C" "C" "A" "G" "T" "A" "T" "C"
## [14887] "A" "T" "G" "A" "T" "G" "T" "C" "T" "A" "T" "C" "T" "C" "T" "G" "T" "
## [14905] "G" "G" "T" "C" "G" "A" "T" "G" "C" "C" "A" "C" "G" "C" "T" "C" "G" "A"
## [14923] "G" "A" "T" "A" "A" "G" "A" "A" "A" "C" "G" "T" "G" "A" "T" "T" "A" "C"
## [14941] "C" "G" "T" "A" "T" "G" "A" "A" "T" "C" "T" "A" "A" "A" "G" "T" "A" "A"
## [14959] "A" "C" "T" "C" "A" "A" "T" "A" "T" "C" "A" "T" "C" "C" "C" "T" " " "A"
## [14977] "C" "T" "G" "T" "A" "A" "T" "G" "C" "A" "A" "A" "A" "C" "A" "T" "A" "T"
## [14995] "A" "C" "G" "C" "T" "T" "T" "T" "C" "A" "C" "G" "T" "A" "G" "A" "A" "C"
## [15013] "T" "A" "G" "G" "A" "G" "T" "A" "T" "T" "G" "A" "G" "T" "A" "A" "G" "T"
  [15031] "T" "A" "G" "T" "A" "T" "T" "A" "T" "T" "T" "C" "A" "G" "A" " " " "T" "C"
## [15049] "G" "G" "A" "A" "T" "G" "G" "G" "G" "T" "A" "A" "A" "T" "A" "A" "T" "T"
  [15067] "T" "A" "C" "C" "T" "T" "T" "T" "G" "G" "T" "C" "G" "A" "C" "T" "A" "A"
## [15085] "A" "C" "A" "G" "A" "T" "C" "C" "A" "A" "C" "A" "A" "C" "T" "G" "C" "T"
## [15103] "A" "C" "T" "G" "A" "A" "C" "C" "A" "A" "T" "C" "G" "T" " " "A" "A" "T"
## [15121] "T" "A" "T" "G" "T" "C" "G" "G" "T" "G" "G" "T" "A" "G" "C" "A" "T" "T"
  [15139] "G" "T" "T" "A" "G" "T" "T" "C" "A" "T" "G" "A" "A" "T" "A" "G" "T"
  [15157] "T" "G" "T" "T" "G" "A" "A" "G" "T" "T" "G" "A" "T" "G" "T" "T" "T" "A"
## [15175] "T" "C" "A" "T" "C" "A" "A" "G" "A" "G" "A" "C" "T" " "A" "T" "A" "G"
## [15193] "T" "G" "T" "G" "T" "A" "A" "C" "A" "A" "C" "C" "A" "T" "C" "T" "A" "A"
## [15211] "T" "A" "T" "T" "G" "C" "T" "A" "T" "C" "A" "T" "C" "A" "G" "T" "A" "T"
## [15229] "T" "A" "G" "C" "G" "A" "C" "T" "A" "T" "C" "G" "T" "C" "G" "T" "A" "A"
## [15265] "T" "C" "T" "T" "C" "A" "C" "A" "A" "A" "A" "T" "T" "A" "A" "A" "G" "T" "T"
## [15301] "T" "C" "T" "T" "T" "G" "G" "G" "A" "A" "T" "C" "T" "G" "T" "G" "T" "C"
## [15319] "G" "T" "T" "T" "C" "A" "G" "T" "A" "T" "C" " " "T" "T" "C" "A" "G" "A"
## [15337] "A" "A" "C" "A" "A" "T" "T" "T" "T" "A" "A" "T" "G" "G" "C" "C" "C" "A"
## [15355] "A" "A" "C" "T" "G" "T" "C" "A" "A" "A" "C" "T" "T" "T" "T" "C" "G" "T"
## [15373] "T" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T" "T" "C" "A" "C" "G" "T"
## [15391] "C" "G" "A" "T" "G" "A" "C" "T" "T" "T" "T" "T" "C" "G" "T" "G" "C" "A"
  [15409] "T" "C" "A" "C" "G" "C" "A" "A" "A" "T" "A" "G" "A" "T" "C" "A" "T" "T"
## [15427] "A" "T" "C" "T" "A" "A" "T" "G" "G" "T" "C" "T" "T" "C" "G" "T" "C" "G"
  [15445] "C" "A" "C" "G" "T" "A" "T" "C" "G" "T" "C" "C" "C" "A" "G" "T" "C" "G"
## [15463] "T" "C" "G" "T" "A" "T" "G" "T" "G" " "T" "T" "C" "A" "T" "T" "A" "A"
         "G" "G" "A" "A" "T" "T" "T" "T" "G" "A" "T" "T" "C" "A" "G" "A" "T" "C"
## [15481]
## [15499] "T" "C" "G" "A" "T" "A" "C" "A" "T" "T" "C" "A" "A" "A" "A" "T" "G" "T" "A"
## [15517] "G" "G" "A" "C" "T" "A" "A" "T" "A" "C" "A" "T" "G" "T" "G" "T" "G"
## [15535] "G" "A" "T" "C" "G" "A" "G" "A" " "G" "A" "C" "T" "T" "C" "A" "C" "C"
```

```
## [15553] "A" "T" "A" "G" "G" "T" "C" "A" "A" "C" "T" "T" "T" "G" "A" "T" "G" "T"
  [15571] "T" "T" "A" "C" "C" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "G" "T" "T" "G" "T"
  [15589] "T" "T" "A" "T" "A" "A" "A" "A" "A" "G" "A" "G" "T" "G" "A" "T" "C" "A"
  [15607] "C" "C" "A" "G" "G" "T" "T" " " " "T" "T" "G" "A" "A" "C" "A" "T" "T" "C"
## [15625] "A" "C" "C" "C" "T" "T" "G" "T" "G" "A" "C" "A" "T" "C" "T" "C" "T" "T"
## [15643] "A" "T" "T" "T" "T" "G" "T" "A" "A" "T" "T" "T" "C" "A" "A" "A" "C" "G"
## [15661] "T" "G" "T" "T" "A" "C" "G" "T" "C" "T" "A" "C" "G" "T" "A" "G" "A"
## [15679] "C" "A" "G" "T" "A" "G" " " "G" "T" "T" "T" "G" "T" "C" "A" "A" "T" "T"
  [15697] "G" "T" "G" "T" "T" "A" "A" "A" "C" "C" "C" "A" "C" "C" "A" "T" "A" "C"
  [15733] "T" "T" "A" "T" "T" "G" "C" "C" "A" "G" "T" "T" "T" "C" "T" "C" "A" "A"
## [15787] "A" "G" "G" "G" "T" "G" "A" "A" "T" "T" "A" "C" "A" "T" "T" "C" "C" "G"
## [15805] "A" "A" "A" "C" "A" "A" "T" "T" "C" "A" "G" "T" "C" "A" "C" "A" "G" "T"
## [15823] "T" "G" "T" "A" " "C" "A" "C" "T" "G" "A" "G" "A" "C" "G" "T" "C" "A"
  [15841] "A" "T" "T" "T" "C" "G" "G" "G" "A" "C" "C" "A" "G" "T" "T" "C" "C" "A"
## [15859] "A" "T" "T" "A" "T" "A" "T" "C" "C" "G" "T" "A" "A" "T" "T" "G" "T" "T"
## [15877] "A" "C" "T" "T" "A" "T" "T" "A" "T" "C" "T" "T" "A" "G" "A" "T" "G"
## [15895] "T" "T" "G" " " "T" "C" "C" "T" "T" "G" "A" "G" "G" "T" "G" "A" "T" "G"
## [15913] "G" "A" "C" "C" "G" "C" "A" "C" "C" "A" "A" "A" "A" "C" "A" "T" "A" "C" "T"
## [15931] "T" "T" "A" "G" "T" "G" "G" "C" "T" "T" "T" "A" "G" "T" "A" "T" "G" "G"
## [15949] "T" "C" "A" "A" "T" "G" "G" "T" "A" "A" "C" "T" "C" "T" "A" "G" "A" "A"
## [15967] "C" "T" " "A" "A" "T" "A" "G" "A" "T" "T" "A" "C" "A" "G" "T" "C" "A"
[16003] "A" "A" "A" "G" "C" "G" "T" "A" "C" "C" "G" "T" "A" "G" "T" "G" "T" "C"
## [16021] "T" "T" "A" "A" "C" "A" "T" "G" "A" "C" "A" "A" "A" "A" "A" "A" "T" "T" "G"
  [16039] "T" " " "T" "T" "C" "G" "A" "A" "C" "C" "G" "C" "A" "T" "G" "T" "G" "C"
## [16057] "A" "A" "G" "T" "G" "G" "A" "T" "T" "C" "A" "A" "C" "C" "G" "C" "A" "T"
## [16075] "A" "T" "G" "C" "G" "C" "A" "T" "A" "T" "A" "T" "A" "G" "A" "C" "C"
## [16093] "C" "A" "A" "A" "A" "G" "A" "T" "G" "T" "T" "T" "T" "A" "G" "T" "A" "T"
  [16129] "T" "T" "A" "T" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "G" "T" "G"
## [16147] "T" "T" "A" "A" "C" "A" "T" "A" "C" "A" "C" "T" "G" "T" "T" "C" "A" "T"
## [16165] "A" "A" "A" "G" "A" "A" "A" "A" "T" "T" "A" "C" "A" "C" "A" "G" "T" "
## [16183] "G" "T" "T" "A" "A" "T" "G" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T" "T"
## [16201] "A" "C" "G" "G" "A" "A" "T" "T" "T" "C" "G" "T" "A" "T" "C" "T" "G" "C"
## [16219] "T" "C" "C" "A" "G" "A" "C" "G" "G" "T" "A" "A" "C" "A" "C" "A" "T" "A"
## [16237] "A" "A" "T" "C" "A" "T" "T" "C" "T" "G" "C" "A" "A" "C" "T" "G" " " "C"
## [16255] "A" "C" "T" "A" "T" "A" "T" "A" "C" "A" "C" "A" "T" "G" "G" "T" "A"
## [16273] "C" "A" "G" "T" "G" "G" "C" "A" "G" "A" "T" "A" "A" "G" "A" "T" "T" "T"
## [16309] "T" "C" "G" "T" "T" "G" "T" "C" "G" "A" "C" "C" "T" "G" "T" " " "T" "A"
## [16345] "A" "A" "C" "A" "A" "G" "A" "A" "G" "T" "A" "C" "A" "A" "C" "C" "A"
## [16363] "T" "C" "A" "A" "T" "C" "T" "C" "T" "T" "T" "C" "A" "C" "A" "C" "A" "C" "A" "G"
  [16381] "A" "G" "A" "A" "T" "T" "G" "A" "T" "G" "T" "T" "T" "C" " " "A" "T" "T"
  [16399] "C" "T" "T" "A" "G" "T" "T" "A" "A" "T" "T" "A" "A" "A" "C" "A" "G" "T"
  ## [16435] "T" "T" "C" "G" "C" "T" "G" "T" "T" "G" "T" "T" "A" "A" "T" "C" "A" "A"
## [16453] "A" "A" "A" "T" "C" "C" "T" "T" "A" "A" "A" "T" "C" " " "G" "T" "T" "T"
## [16471] "T" "G" "G" "T" "C" "G" "A" "T" "G" "A" "A" "A" "T" "A" "G" "T" "A" "A" "A"
## [16489] "C" "A" "T" "C" "T" "A" "C" "A" "G" "T" "T" "T" "T" "C" "G" "G" "G" "A"
## [16507] "C" "A" "T" "A" "T" "G" "C" "T" "G" "T" "A" "G" "T" "C" "A" "T" "G" "A"
```

```
## [16525] "T" "C" "A" "C" "G" "G" "A" "C" "A" "C" "G" "G" " " " "C" "G" "T" "G" "C"
  [16543] "C" "A" "C" "A" "T" "T" "C" "T" "G" "C" "C" "C" "G" "A" "C" "G" "T" "G"
## [16561] "A" "A" "T" "G" "T" "G" "G" "C" "G" "T" "T" "T" "G" "G" "G" "C" "A" "A"
## [16579] "A" "T" "T" "T" "T" "G" "C" "T" "A" "A" "C" "A" "C" "G" "T" "A" "G"
## [16597] "T" "C" "G" "A" "C" "T" "G" "A" "C" "T" "T" " " "C" "G" "T" "A" "C" "C"
## [16615] "C" "A" "A" "G" "C" "G" "C" "C" "T" "C" "A" "A" "C" "T" "A" "G" "T" "G"
## [16633] "T" "T" "G" "A" "T" "G" "T" "C" "G" "G" "T" "A" "T" "T" "G" "G" "A" "A"
## [16651] "A" "G" "G" "T" "G" "T" "A" "T" "G" "G" "G" "G" "T" "C" "T" "G" "C" "C"
  [16687] "T" "C" "A" "C" "A" "T" "T" "T" "T" "G" "G" "G" "T" "G" "T" "C" "C" "C"
  [16705] "A" "G" "T" "A" "A" "T" "C" "G" "T" "G" "T" "T" "C" "A" "A" "C" "A" "T"
## [16723] "C" "C" "A" "T" "A" "A" "A" "C" "A" "T" "G" "T" "A" "T" "G" "A" "A" "T"
  [16741] "G" "G" "A" "A" "A" "A" "T" "T" "C" " " "A" "G" "T" "G" "T" "T" "T" "T"
## [16759] "A" "G" "G" "A" "A" "A" "T" "C" "C" "T" "A" "A" "A" "C" "C" "T" "A" "C"
## [16777] "T" "A" "G" "A" "T" "A" "C" "A" "C" "G" "T" "T" "G" "C" "C" "G" "T"
## [16795] "C" "A" "T" "G" "T" "C" "T" "G" "T" "G" "T" "G" "T" "G" "C" "T" "A" "C" "G"
  [16813] "T" "G" "G" "T" "G" "G" "T" "T" "T" " "T" "C" "C" "T" "A" "A" "G" "A" "A"
  [16831] "C" "T" "A" "G" "G" "T" "A" "T" "A" "A" "C" "C" "G" "A" "A" "G" "G" "C"
## [16849] "C" "A" "C" "A" "C" "T" "G" "A" "C" "A" "A" "T" "A" "A" "C" "G" "G" "A"
## [16867] "C" "T" "G" "G" "T" "C" "A" "T" "G" "G" "T" "C" "A" "C" "A" "C" "A" "C" "A" "C"
## [16885] "A" "T" "G" "T" "G" "T" "T" " " "G" "T" "A" "G" "A" "A" "T" "T" "G" "T"
## [16903] "G" "T" "T" "A" "A" "T" "C" "A" "C" "T" "A" "A" "C" "C" "A" "A" "C" "A"
## [16921] "G" "G" "G" "G" "G" "T" "G" "A" "T" "C" "G" "A" "T" "C" "T" "A" "T" "T"
## [16939] "A" "G" "A" "A" "A" "C" "A" "T" "T" "C" "G" "A" "A" "A" "T" "C" "G" "T"
## [16957] "C" "G" "T" "A" "G" "A" " " "T" "G" "T" "C" "G" "T" "T" "T" "T" "T" "C" "G"
  [16975] "T" "G" "T" "C" "T" "T" "T" "C" "T" "A" "T" "T" "A" "T" "G" "T" "C" "A"
## [16993] "A" "C" "T" "T" "A" "A" "C" "C" "G" "T" "C" "G" "T" "G" "A" "A" "G"
## [17011] "A" "C" "A" "A" "C" "G" "T" "A" "A" "T" "G" "G" "T" "C" "G" "A" "A" "C"
## [17029] "A" "T" "C" "T" "G" " " "C" "A" "T" "G" "A" "C" "A" "C" "C" "G" "T" "C"
## [17047] "G" "A" "T" "T" "T" "G" "A" "T" "G" "G" "T" "T" "C" "A" "T" "G" "G" "T"
## [17065] "A" "T" "G" "G" "A" "G" "A" "T" "A" "A" "A" "T" "C" "C" "A" "A" "C" "A"
  [17083] "A" "A" "T" "T" "A" "G" "G" "A" "A" "A" "T" "T" "A" "T" "T" "C" "A"
## [17101] "T" "A" "T" "T" " " "T" "A" "T" "G" "A" "A" "G" "T" "G" "A" "A" "A" "T"
## [17119] "C" "C" "T" "G" "G" "A" "A" "A" "T" "C" "C" "A" "C" "A" "C" "A" "G" "A"
## [17137] "C" "A" "T" "T" "G" "T" "T" "G" "G" "A" "T" "G" "T" "T" "C" "C" "A"
## [17155] "C" "C" "A" "A" "G" "G" "T" "C" "A" "A" "G" "A" "C" "A" "T" "A" "T" "C"
## [17173] "T" "A" "T" " "C" "A" "T" "G" "G" "T" "C" "A" "A" "G" "G" "T" "A" "G"
## [17191] "T" "G" "A" "G" "A" "A" "T" "C" "C" "C" "T" "T" "A" "G" "A" "T" "C" "G"
## [17209] "G" "G" "T" "A" "A" "A" "G" "T" "T" "T" "A" "G" "G" "A" "C" "A" "T" "T"
## [17227] "T" "A" "G" "C" "C" "T" "A" "T" "T" "G" "T" "C" "A" "C" "G" "T" "T" "C"
## [17245] "A" "T" " "G" "T" "T" "G" "G" "A" "T" "G" "G" "A" "G" "G" "A" "G" "G" "A"
## [17263] "A" "A" "C" "A" "A" "C" "A" "C" "A" "C" "A" "T" "C" "A" "T" "T" "C"
## [17281] "G" "A" "T" "T" "G" "C" "G" "T" "A" "A" "C" "A" "G" "T" "A" "G" "T" "C"
## [17299] "A" "C" "G" "T" "T" "C" "G" "T" "C" "A" "A" "A" "C" "A" "C" "A" "T" "C"
## [17317] "A" " " "T" "G" "G" "C" "C" "G" "T" "C" "G" "T" "G" "T" "G" "T" "G"
## [17335] "T" "A" "G" "A" "C" "A" "G" "C" "A" "T" "C" "A" "C" "G" "T" "T" "G" "T"
  [17353] "C" "C" "T" "G" "A" "T" "T" "C" "G" "A" "G" "T" "A" "A" "T" "A" "A" "A" "G"
## [17371] "A" "C" "A" "T" "T" "A" "A" "A" "C" "T" "G" "T" "C" "G" "T" "C" "T" "T"
## [17389] " " "A" "A" "C" "C" "G" "G" "G" "A" "A" "T" "T" "T" "C" "G" "A" "C" "A"
## [17407] "A" "T" "G" "T" "T" "A" "T" "T" "C" "T" "C" "C" "G" "G" "T" "A" "C" "G"
## [17425] "A" "T" "T" "A" "A" "A" "C" "C" "A" "C" "T" "T" "A" "A" "C" "A" "G"
## [17443] "G" "T" "A" "T" "G" "A" "T" "T" "A" "A" "A" "G" "T" "G" "A" "T" "T" "
## [17461] "C" "A" "A" "C" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "G" "A" "T" "A"
## [17479] "G" "A" "C" "G" "T" "A" "G" "A" "T" "G" "T" "T" "G" "G" "A" "C" "A" "A"
```

```
## [17497] "C" "C" "T" "A" "A" "A" "G" "G" "G" "T" "G" "T" "T" "A" "C" "G" "A" "C"
  [17515] "T" "A" "C" "G" "T" "A" "T" "T" "C" "A" "T" "T" "T" "A" "C" "A" "C" "A" " "A"
## [17533] "C" "A" "T" "G" "G" "T" "A" "G" "T" "G" "T" "G" "C" "A" "T" "A" "A" "A" "A"
## [17551] "A" "A" "T" "A" "T" "A" "C" "A" "C" "A" "A" "T" "A" "T" "C" "A" "G" "A"
## [17569] "C" "C" "A" "T" "A" "C" "T" "G" "T" "T" "G" "G" "T" "A" "A" "T" "C" "A"
## [17587] "A" "A" "C" "C" "G" "A" "C" "G" "A" "C" "A" "A" "C" "A" "T" " "T" "C"
## [17605] "T" "C" "C" "A" "T" "A" "A" "T" "A" "C" "A" "A" "G" "T" "T" "C" "C" "C"
## [17623] "T" "T" "G" "T" "G" "T" "G" "G" "T" "A" "G" "A" "G" "A" "A" "C" "G"
  [17641] "T" "A" "A" "C" "A" "A" "C" "T" "A" "T" "T" "A" "C" "A" "A" "C" "A" "A"
## [17659] "C" "T" "C" "A" "C" "G" "T" "A" "G" "T" "A" "A" "T" "A" " " "G" "G" "T"
  [17677] "T" "G" "A" "A" "A" "G" "A" "T" "T" "C" "G" "T" "A" "T" "C" "A" "C" "T"
## [17695] "T" "T" "C" "G" "T" "A" "A" "C" "A" "G" "A" "C" "G" "T" "A" "T" "C"
## [17713] "G" "T" "G" "A" "T" "C" "A" "T" "G" "A" "A" "A" "A" "A" "C" "G" "G" "G"
## [17731] "A" "G" "A" "A" "C" "A" "G" "G" "A" "G" "T" "C" "T" " " "A" "G" "A" "T"
## [17749] "C" "G" "G" "A" "C" "A" "A" "A" "T" "A" "T" "G" "T" "A" "A" "A" "A" "C" "C"
## [17767] "C" "A" "G" "T" "A" "T" "C" "G" "A" "A" "C" "T" "A" "G" "T" "C" "G" "G"
## [17785] "T" "A" "G" "A" "A" "A" "A" "G" "G" "T" "T" "G" "A" "A" "T" "G" "C" "A"
## [17803] "A" "C" "G" "T" "A" "C" "C" "G" "A" "C" "G" "T" " " "A" "G" "T" "G" "C"
## [17821] "C" "A" "G" "T" "T" "T" "A" "A" "G" "T" "C" "T" "A" "A" "A" "T" "C" "G"
## [17839] "G" "T" "G" "T" "A" "A" "G" "T" "T" "T" "C" "T" "G" "A" "A" "G" "A" "A" "A"
## [17857] "G" "T" "T" "G" "A" "A" "A" "A" "T" "T" "C" "T" "T" "G" "T" "T" "G"
## [17875] "A" "A" "G" "T" "C" "T" "T" "A" "G" "T" "G" " " "G" "T" "A" "A" "T" "C"
## [17893] "G" "T" "T" "G" "T" "C" "G" "G" "A" "C" "G" "A" "G" "T" "A" "T" "T" "C"
## [17911] "G" "A" "A" "G" "A" "A" "C" "T" "C" "G" "T" "C" "A" "T" "C" "G" "T" "T"
## [17929] "T" "T" "C" "G" "A" "C" "G" "T" "A" "T" "A" "C" "T" "A" "C" "C" "T" "T"
## [17947] "C" "C" "C" "T" "T" "G" "A" "T" "T" "T" " " "G" "A" "G" "A" "C" "T" "C"
## [17965] "C" "G" "A" "T" "A" "T" "C" "G" "A" "A" "C" "A" "T" "T" "C" "C" "A" "A"
## [17983] "C" "G" "G" "G" "A" "C" "A" "A" "C" "A" "G" "G" "T" "C" "G" "T" "A" "A"
## [18001] "A" "G" "A" "A" "G" "T" "G" "T" "T" "T" "C" "G" "A" "A" "C" "A" "A" "A" "A"
## [18019] "T" "A" "C" "A" "G" "A" "T" "G" "T" " " "C" "G" "T" "G" "G" "G" "A" "C"
[18055] "T" "T" "C" "A" "T" "C" "A" "C" "T" "T" "T" "G" "G" "T" "A" "A" "A" "A"
## [18073] "A" "A" "G" "T" "T" "T" "C" "C" "G" "A" "A" "G" "T" "C" "A" "T" "C" "A"
## [18091] "T" "A" "G" "A" "A" "A" "T" "C" " " "G" "A" "T" "T" "C" "T" "T" "T"
## [18109] "A" "C" "A" "G" "T" "A" "A" "C" "A" "C" "A" "T" "T" "G" "A" "C" "C" "T"
## [18127] "G" "T" "G" "T" "A" "A" "C" "T" "C" "G" "G" "G" "T" "G" "T" "T" "A" "A"
## [18145] "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A" "G" "A" "T" "G" "A" "G"
## [18163] "A" "C" "T" "C" "A" "A" "C" " " "A" "A" "C" "G" "T" "T" "T" "T" "G" "A"
## [18181] "C" "T" "C" "T" "C" "A" "T" "T" "C" "T" "G" "A" "T" "G" "A" "C" "T" "A"
## [18199] "C" "A" "C" "G" "T" "G" "A" "A" "A" "T" "G" "T" "A" "G" "A" "C" "T" "G"
## [18217] "T" "A" "A" "A" "A" "T" "C" "T" "G" "A" "C" "A" "T" "G" "T" "C" "A" "C"
## [18235] "C" "G" "A" "T" "G" "A" " " "A" "A" "C" "T" "A" "T" "G" "T" "T" "C" "C"
## [18271] "G" "T" "T" "A" "A" "A" "T" "T" "A" "C" "A" "A" "C" "T" "C" "A" "A" "A" "A"
## [18289] "C" "T" "T" "C" "C" "G" "T" "A" "G" "A" "T" "A" "C" "G" "A" "T" "A" "A"
[18325] "G" "G" "A" "C" "A" "C" "T" "T" "A" "A" "G" "T" "A" "T" "A" "T" "A" "G"
  [18343] "A" "T" "T" "T" "G" "A" "G" "G" "A" "C" "A" "C" "A" "T" "C" "T" "T" "T"
## [18361] "G" "A" "T" "T" "C" "A" "T" "T" "A" "G" "T" "A" "T" "T" "T" "G"
## [18379] "G" "T" "T" "C" " " "T" "C" "A" "G" "T" "C" "A" "G" "A" "T" "T" "T" "T" "C"
## [18397] "A" "T" "C" "G" "C" "C" "A" "A" "C" "T" "C" "A" "T" "T" "T" "G" "T" "T"
## [18415] "T" "T" "C" "T" "C" "C" "G" "G" "T" "T" "T" "C" "A" "T" "T" "G" "T" "T"
## [18433] "C" "A" "T" "G" "T" "T" "T" "T" "A" "T" "C" "G" "G" "A" "T" "T" "C"
## [18451] "T" "T" "T" " "G" "T" "T" "A" "T" "T" "T" "G" "A" "T" "C" "G" "T" "A"
```

```
## [18469] "A" "T" "A" "T" "G" "T" "G" "A" "C" "T" "T" "C" "A" "C" "A" "T" "A" "A"
  [18487] "T" "G" "G" "T" "C" "A" "A" "T" "A" "C" "T" "T" "C" "T" "T" "T" "T" "A"
## [18505] "T" "C" "C" "C" "G" "T" "T" "A" "T" "G" "A" "G" "T" "T" "G" "T" "G" "T"
## [18541] "A" "C" "C" "G" "G" "T" "T" "T" "T" "T" "G" "T" "A" "C" "T" "G" "T" "C"
## [18559] "A" "A" "C" "A" "T" "T" "G" "A" "T" "G" "T" "G" "G" "A" "C" "T" "C" "A"
## [18577] "T" "C" "A" "A" "T" "C" "T" "C" "A" "T" "G" "T" "C" "T" "C" "T"
## [18595] "A" " " "A" "T" "A" "T" "C" "T" "C" "G" "G" "G" "T" "G" "T" "A" "C"
## [18613] "C" "T" "T" "T" "A" "C" "C" "G" "A" "A" "C" "T" "A" "G" "A" "T" "T" "T"
[18649] "A" "A" "T" "A" "T" "T" "T" "G" "C" "T" "C" "A" "C" "A" "G" "T" "T" "C"
## [18667] " " "T" "G" "T" "A" "A" "G" "T" "A" "T" "T" "C" "A" "C" "A" "G" "G" "T"
## [18685] "G" "T" "G" "A" "G" "A" "G" "G" "A" "T" "C" "G" "T" "G" "G" "T" "A" "G"
## [18703] "T" "A" "G" "T" "A" "T" "G" "T" "G" "T" "C" "A" "A" "G" "A" "A" "C" "G"
## [18721] "A" "C" "A" "G" "T" "A" "T" "T" "C" "C" "T" "A" "A" "T" "C" "A" "T" " "
## [18739] "T" "G" "T" "G" "A" "T" "G" "T" "C" "G" "A" "C" "T" "A" "C" "G" "T" "A"
  [18757] "T" "G" "T" "A" "T" "T" "G" "T" "G" "T" "C" "A" "G" "A" "A" "A" "A" "T"
## [18775] "C" "G" "A" "A" "T" "T" "T" "T" "G" "A" "T" "C" "A" "T" "A" "G" "T" "T"
## [18793] "G" "G" "T" "A" "T" "A" "G" "G" "T" "T" "G" "G" "T" "A" "C" "A" " " "G"
## [18811] "T" "A" "T" "T" "A" "T" "G" "C" "G" "T" "A" "G" "T" "G" "G" "G" "T" "T"
## [18829] "G" "A" "T" "C" "G" "T" "C" "G" "T" "A" "T" "A" "T" "A" "T" "C" "T" "G" "G"
## [18865] "C" "A" "C" "C" "G" "T" "T" "C" "T" "C" "T" "T" "C" "C" "A" " " "T" "T"
## [18883] "G" "T" "T" "T" "T" "T" "G" "T" "T" "G" "T" "C" "T" "C" "T" "C" "T" "T" "T"
## [18901] "A" "C" "G" "T" "A" "C" "G" "A" "A" "T" "A" "C" "A" "A" "A" "C" "T" "G"
  [18919] "T" "T" "T" "G" "T" "A" "G" "T" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G"
## [18937] "T" "C" "T" "G" "T" "A" "T" "C" "G" "T" "A" "T" "A" "T" "A" "T" "G"
## [18955] "G" "G" "T" "A" "T" "C" "G" "T" "T" "T" "T" "C" "C" "A" "T" "T" "T" "T"
## [18973] "T" "C" "C" "G" "T" "A" "A" "A" "G" "T" "A" "T" "G" "T" "T" "T" "T"
## [18991] "T" "T" "T" "T" "C" "T" "T" "G" "T" "T" "T" "C" "T" "G" "G" "T" "A" "A"
## [19009] "C" "T" "C" "A" "T" "G" "A" "G" "A" "C" "C" "T" "G" " " "A" "T" "T" "T"
  [19027] "T" "G" "A" "T" "T" "T" "T" "C" "A" "C" "T" "T" "C" "A" "G" "T" "T" "T"
## [19045] "T" "A" "A" "C" "A" "C" "T" "C" "A" "T" "T" "G" "T" "T" "G" "G" "T" "C"
## [19063] "A" "C" "C" "A" "C" "A" "C" "A" "G" "G" "G" "A" "A" "A" "C" "T" "A" "A"
## [19081] "C" "A" "A" "G" "A" "A" "A" "A" "G" "T" "G" "A" " " "C" "G" "T" "G" "A"
## [19099] "A" "A" "C" "C" "T" "T" "T" "C" "A" "T" "T" "G" "T" "G" "G" "A" "C" "T"
## [19117] "C" "G" "T" "A" "A" "C" "A" "G" "A" "T" "T" "G" "T" "T" "G" "T" "A" "G"
## [19135] "T" "T" "T" "T" "C" "C" "A" "C" "A" "T" "T" "T" "A" "A" "G" "T" "A" "G"
## [19153] "A" "A" "G" "A" "T" "T" "A" "T" "T" "T" "C" " " "G" "T" "G" "A" "T" "G"
## [19171] "G" "G" "T" "T" "A" "T" "A" "C" "C" "A" "T" "G" "C" "A" "G" "G" "T" "A"
## [19189] "A" "G" "T" "A" "T" "G" "G" "T" "A" "A" "A" "A" "C" "G" "T" "C" "A" "T"
## [19207] "T" "A" "A" "G" "A" "A" "A" "A" "T" "T" "A" "C" "T" "T" "C" "G" "T" "G"
## [19225] "T" "G" "T" "A" "T" "A" "G" "A" "T" "T" "T" "T" "T" "G" "C" "C" "G" "T"
## [19243] "T" "A" "A" "G" "G" "T" "C" "A" "A" "A" "C" "T" "C" "G" "T" "C" "T" "T"
## [19261] "T" "C" "T" "C" "C" "A" "G" "G" "A" "T" "C" "A" "T" "A" "C" "A" "G" "T"
## [19279] "T" "G" "T" "A" "C" "C" "A" "G" "A" "A" "C" "A" "C" "A" "A" "T" "C" "T"
  [19297] "C" "C" "A" "A" "G" "T" "A" "T" "T" " " "A" "A" "C" "A" "T" "G" "A" "A"
## [19315] "G" "T" "A" "T" "C" "G" "G" "T" "G" "T" "C" "C" "A" "A" "T" "T" "T"
## [19333] "C" "A" "G" "T" "A" "A" "T" "T" "C" "T" "C" "A" "A" "C" "A" "C" "A" "C" "A"
## [19351] "T" "T" "A" "G" "C" "T" "A" "A" "C" "T" "C" "T" "T" "T" "T" "G" "G" "T"
         "G" "G" "A" "C" "A" "G" "A" "G" " " "G" "T" "A" "A" "A" "T" "A" "T" "T"
## [19369]
## [19387] "G" "T" "C" "G" "T" "C" "G" "C" "A" "T" "G" "T" "T" "G" "G" "T" "T" "C"
## [19405] "G" "A" "T" "T" "T" "T" "G" "T" "A" "A" "T" "T" "G" "A" "C" "A" "T" "T"
## [19423] "A" "T" "C" "A" "A" "C" "A" "C" "A" "G" "G" "C" "A" "T" "G" "G" "T" "C"
```

```
## [19441] "G" "A" "C" "G" "A" "A" "C" " " "A" "C" "G" "A" "C" "A" "A" "A" "A" "C" "G"
  [19459] "G" "A" "C" "A" "G" "T" "T" "G" "T" "T" "T" "T" "T" "C" "C" "A" "G" "G" "T"
## [19477] "A" "T" "T" "T" "T" "C" "A" "A" "T" "G" "G" "A" "A" "G" "A" "T" "T" "C"
## [19495] "A" "G" "A" "C" "A" "C" "G" "G" "T" "C" "G" "T" "A" "C" "T" "T" "G" "A"
## [19513] "G" "G" "T" "C" "A" "A" " " "C" "C" "A" "T" "T" "A" "A" "G" "G" "T" "A"
## [19531] "T" "A" "C" "C" "A" "C" "G" "T" "A" "C" "A" "T" "T" "G" "T" "T" "T" "T"
## [19549] "T" "C" "T" "C" "T" "G" "T" "G" "T" "C" "A" "G" "T" "A" "T" "T" "A" "G"
## [19567] "A" "T" "A" "C" "A" "A" "T" "T" "T" "G" "G" "G" "T" "G" "T" "G" "A"
## [19585] "T" "G" "G" "T" "G" " " "T" "A" "C" "T" "T" "G" "G" "T" "A" "A" "T" "T"
## [19603] "C" "C" "T" "T" "A" "C" "T" "T" "G" "G" "G" "A" "A" "T" "T" "A" "T" "C"
  [19621] "A" "C" "T" "T" "T" "A" "A" "C" "A" "C" "G" "G" "A" "G" "T" "A" "T" "C"
## [19639] "G" "T" "G" "T" "A" "A" "C" "C" "A" "T" "T" "T" "G" "T" "G" "G" "T" "C"
## [19657] "T" "A" "C" "C" " " "A" "C" "T" "T" "G" "G" "T" "A" "A" "C" "A" "T" "T"
## [19675] "G" "T" "T" "C" "G" "A" "T" "T" "G" "T" "G" "A" "C" "T" "T" "T" "T" "T" "T"
## [19693] "C" "A" "G" "A" "C" "A" "G" "G" "G" "C" "A" "C" "C" "A" "A" "C" "T" "T" "A" "C"
## [19711] "G" "C" "T" "T" "G" "T" "T" "G" "A" "A" "T" "A" "T" "G" "A" "A" "T"
  [19729] "C" "C" "A" " "C" "A" "G" "A" "A" "T" "C" "C" "T" "A" "A" "C" "C" "G"
  [19747] "A" "C" "A" "T" "A" "G" "T" "T" "G" "G" "A" "A" "T" "T" "C" "G" "A" "A"
  [19765] "T" "T" "C" "A" "T" "G" "T" "G" "T" "T" "A" "A" "A" "A" "A" "C" "G" "T" "A"
## [19783] "T" "C" "T" "T" "A" "C" "A" "G" "G" "T" "T" "A" "T" "T" "G" "G" "G" "A"
## [19801] "C" "T" " " "C" "A" "A" "C" "T" "T" "G" "T" "A" "A" "T" "G" "G" "T" "C"
## [19819] "G" "G" "A" "C" "A" "T" "G" "G" "T" "T" "C" "T" "T" "T" "A" "A" "T" "A"
## [19837] "C" "T" "A" "A" "T" "C" "T" "G" "A" "A" "T" "G" "C" "T" "T" "A" "C" "T"
## [19855] "C" "A" "T" "T" "T" "A" "G" "A" "A" "G" "T" "A" "T" "T" "A" "A" "T" "C"
## [19873] "C" " " "C" "A" "A" "T" "T" "C" "G" "T" "A" "C" "A" "G" "A" "A" "G" "A" "G" "T"
  [19891] "C" "T" "C" "C" "A" "C" "G" "T" "C" "T" "A" "G" "T" "G" "T" "A" "C" "A"
## [19909] "G" "A" "A" "C" "C" "T" "G" "T" "C" "A" "T" "T" "T" "G" "A" "T" "G" "C"
## [19927] "A" "G" "T" "A" "G" "T" "T" "C" "G" "G" "T" "T" "T" "C" "T" "G" "G" "C"
## [19945] " " "A" "A" "T" "T" "C" "A" "C" "A" "T" "C" "A" "A" "C" "A" "T" "G" "G"
## [19963] "T" "G" "T" "T" "C" "A" "A" "T" "G" "A" "A" "C" "A" "T" "G" "G" "T" "A"
## [19981] "T" "G" "T" "T" "G" "G" "G" "A" "G" "T" "T" "G" "A" "A" "A" "T" "G" "G"
  [19999] "T" "C" "T" "A" "C" "C" "C" "T" "A" "C" "G" "G" "G" "T" "A" "A" "A" " "
  [20017] "A" "A" "G" "A" "T" "T" "T" "T" "G" "G" "T" "G" "A" "G" "A" "C" "G" "T"
  [20035] "T" "T" "T" "G" "T" "C" "G" "A" "C" "T" "C" "C" "A" "C" "T" "A" "T" "C"
## [20071] "T" "T" "T" "C" "T" "T" "G" "T" "A" "G" "T" "C" "T" "T" "G" "G" " " "A"
## [20089] "C" "T" "C" "A" "A" "T" "G" "A" "C" "T" "T" "C" "A" "G" "T" "A" "A" "C"
## [20107] "T" "C" "T" "C" "G" "G" "A" "A" "A" "C" "G" "C" "T" "C" "T" "A" "C" "T"
## [20125] "G" "T" "T" "G" "T" "T" "C" "G" "T" "C" "G" "A" "A" "G" "A" "G" "A" "C"
  [20143] "A" "T" "C" "G" "A" "T" "C" "A" "A" "C" "A" "T" "A" "G" "G" " " "T" "A"
##
  [20161] "A" "C" "G" "A" "G" "G" "T" "G" "A" "T" "T" "T" "T" "A" "T" "G" "A" "A"
## [20215] "G" "C" "A" "T" "T" "C" "T" "C" "C" "A" "T" "T" "A" "T" " "C" "G" "T"
## [20233] "G" "T" "A" "G" "T" "G" "A" "T" "G" "C" "G" "T" "T" "G" "A" "A" "A" "T"
## [20251] "C" "T" "A" "T" "G" "T" "A" "A" "A" "G" "A" "A" "A" "T" "A" "A" "A" "T"
  [20269] "T" "G" "T" "T" "T" "T" "T" "C" "C" "A" "C" "G" "T" "G" "T" "C" "G" "C"
  [20287] "G" "T" "C" "G" "A" "A" "G" "A" "A" "G" "T" "T" "T" "T" " "T" "C" "A" "T"
  [20305] "G" "A" "T" "T" "T" "C" "C" "T" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T"
## [20323] "T" "T" "C" "T" "G" "A" "T" "G" "T" "G" "C" "A" "G" "A" "G" "A" "A" "A" "A"
          "T" "C" "C" "A" "T" "T" "A" "A" "T" "G" "A" "T" "T" "T" "C" "T" "T" "G"
  [20341]
## [20359] "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "G" " " "A" "A" "A" "C" "A"
## [20377] "C" "C" "T" "T" "T" "A" "T" "G" "T" "T" "T" "A" "C" "T" "A" "T" "A" "T"
## [20395] "T" "C" "G" "T" "T" "A" "A" "C" "A" "A" "T" "A" "G" "G" "T" "C" "T" "T"
```

```
## [20413] "T" "C" "C" "A" "T" "G" "A" "T" "T" "T" "C" "C" "A" "C" "A" "C" "T" "T"
  [20431] "G" "T" "A" "T" "T" "G" "G" "T" "A" "G" "G" " "T" "T" "G" " "T" "T"
  [20467] "G" "T" "A" "G" "T" "A" "A" "T" "C" "A" "T" "T" "C" "T" "A" "T" "A" "T" "T"
## [20485] "T" "A" "C" "A" "G" "T" "T" "C" "A" "T" "G" "T" "T" "C" "A" "T" "T" "T"
## [20503] "A" "T" "T" "G" "T" "C" "T" "T" "A" "T" " "T" "T" "G" "T" "G" "G" "T"
## [20521] "C" "C" "A" "T" "T" "C" "T" "T" "A" "C" "T" "C" "A" "T" "T" "T" "T" "G" "A"
## [20539] "C" "C" "A" "C" "A" "A" "T" "T" "T" "G" "T" "C" "T" "C" "A" "T" "G" "T"
  [20557] "C" "A" "C" "T" "T" "A" "C" "T" "G" "T" "A" "T" "A" "T" "C" "C" "T" "A"
  [20575] "T" "C" "A" "T" "T" "T" "C" "A" "T" " "A" "A" "T" "T" "T" "C" "C" "G"
  [20593] "T" "T" "G" "A" "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "A" "A" "G"
## [20611] "T" "G" "G" "T" "T" "T" "T" "C" "G" "A" "G" "A" "A" "G" "A" "T" "T" "T" "T"
  [20629] "G" "G" "A" "G" "T" "A" "T" "T" "T" "T" "A" "T" "C" "A" "T" "C" "C" "G"
## [20647] "T" "T" "C" "C" "G" "T" "A" "C" " " "A" "A" "T" "G" "A" "T" "G" "C" "T"
## [20665] "A" "T" "C" "G" "A" "T" "G" "T" "A" "T" "G" "G" "T" "C"
## [20683] "G" "A" "T" "G" "A" "T" "A" "T" "C" "T" "A" "C" "G" "A" "C" "T" "A" "T"
  [20701] "A" "C" "A" "G" "G" "T" "T" "T" "C" "G" "T" "G" "G" "T" "T" "A" "T" "C"
  [20719] "C" "A" "A" "C" "T" "T" "A" " "A" "T" "C" "A" "C" "C" "A" "C" "A" "C" "A" "T"
  [20737] "T" "T" "G" "T" "A" "T" "A" "A" "T" "C" "A" "T" "T" "C" "A" "T" "T" "T"
## [20755] "A" "A" "A" "T" "G" "T" "C" "G" "T" "A" "G" "A" "T" "G" "T" "G" "G" "T"
## [20773] "G" "T" "C" "T" "T" "T" "G" "A" "G" "G" "A" "C" "C" "A" "T" "T" "T"
## [20791] "C" "T" "A" "G" "A" "C" " " "A" "T" "T" "A" "T" "T" "A" "G" "T" "A" "A" "A"
## [20809] "C" "A" "A" "T" "T" "C" "A" "T" "G" "G" "G" "T" "A" "G" "A" "T" "G" "G"
## [20827] "T" "G" "A" "T" "C" "A" "T" "C" "T" "A" "T" "G" "T" "G" "T" "T" "T" "T" "G"
  [20845] "T" "G" "G" "T" "C" "G" "A" "A" "G" "A" "C" "T" "A" "G" "A" "A" "A" "G"
  [20863] "T" "G" "T" "T" "C" " " "A" "C" "G" "G" "C" "A" "C" "G" "G" "A" "T" "G"
## [20881] "T" "C" "A" "T" "G" "A" "G" "T" "C" "T" "A" "G" "T" "T" "T" "T" "C"
  [20899] "A" "A" "C" "A" "A" "T" "G" "G" "T" "G" "A" "G" "A" "T" "T" "G" "T" "C"
## [20917] "T" "T" "G" "G" "A" "A" "G" "T" "T" "C" "C" "A" "T" "C" "C" "A" "C" "A"
## [20935] "A" "T" "C" "C" " " "T" "T" "T" "A" "A" "C" "T" "T" "A" "T" "T" "A" "T"
## [20953] "C" "T" "C" "G" "G" "T" "A" "G" "T" "A" "C" "T" "C" "G" "T" "G" "T"
  [20971] "A" "T" "T" "G" "C" "A" "C" "A" "C" "A" "G" "T" "C" "C" "C" "C" "A"
  [20989] "T" "T" "T" "G" "A" "A" "A" "G" "T" "A" "T" "T" "C" "G" "T" "T" "G" "T"
## [21007] "C" "T" "T" " " "G" "G" "A" "A" "G" "A" "T" "C" "A" "T" "G" "T" "A" "A"
## [21025] "C" "C" "A" "T" "A" "G" "T" "A" "T" "T" "G" "T" "T" "A" "T" "A" "C" "C"
## [21043] "A" "T" "G" "A" "C" "C" "G" "A" "A" "T" "G" "G" "T" "C" "T" "T" "C" "G"
## [21061] "T" "A" "G" "A" "A" "A" "T" "T" "T" "T" "A" "A" "C" "A" "T" "G" "T"
## [21079] "A" "A" " " "G" "T" "C" "G" "T" "C" "G" "T" "T" "T" "T" "T" "T" "T" "G"
## [21097] "T" "T" "C" "G" "A" "C" "T" "A" "C" "A" "A" "C" "G" "T" "T" "T" "C" "A"
  [21115] "G" "T" "C" "A" "C" "A" "T" "G" "A" "G" "A" "T" "A" "T" "T" "T" "C" "A" "A"
##
  [21133] "A" "A" "C" "T" "A" "C" "C" "A" "C" "A" "C" "A" "T" "T" "G" "T" "C" "T"
## [21151] "A" " " "C" "A" "A" "T" "G" "G" "T" "T" "G" "A" "C" "G" "T" "G" "A" "T"
  ## [21187] "A" "C" "G" "T" "T" "T" "T" "C" "A" "G" "T" "G" "G" "T" "A" "A" "T"
## [21205] "C" "A" "A" "C" "A" "C" "G" "C" "A" "T" "T" "A" "T" "A" "G" "C" "A" "C"
## [21223] " " "G" "G" "T" "C" "C" "G" "T" "T" "T" "G" "G" "T" "C" "C" "G" "T" "G"
  [21241] "C" "T" "G" "T" "T" "T" "T" "G" "G" "G" "T" "G" "A" "A" "G" "A" "G" "A"
## [21259] "A" "C" "A" "A" "T" "A" "C" "T" "G" "A" "C" "G" "T" "C" "G" "T" "T" "A"
  [21277] "G" "T" "T" "A" "C" "C" "C" "G" "T" "T" "C" "G" "A" "A" "A" "A" "C" "A" " "
## [21295] "G" "T" "A" "A" "T" "C" "A" "T" "A" "T" "T" "G" "A" "T" "G" "G" "T" "G"
  [21313] "G" "T" "G" "C" "G" "A" "C" "C" "G" "A" "T" "T" "T" "G" "G" "T" "A" "C"
## [21331] "A" "C" "A" "G" "T" "T" "T" "T" "A" "G" "T" "C" "G" "T" "A" "C" "A" "A"
## [21349] "A" "C" "A" "A" "T" "C" "G" "T" "T" "T" "T" "G" "T" "T" "C" "A" " " "T"
## [21367] "A" "G" "A" "C" "A" "T" "C" "T" "A" "C" "G" "A" "T" "A" "C" "A" "G" "T"
```

```
## [21385] "G" "C" "T" "C" "A" "C" "T" "G" "T" "G" "G" "T" "G" "G" "T" "A" "G" "T"
  [21403] "T" "A" "T" "C" "G" "G" "A" "A" "C" "A" "T" "A" "G" "G" "A" "T" "A" "C"
## [21421] "T" "A" "A" "A" "G" "T" "G" "A" "A" "C" "T" "T" "T" "T" "C" " " "A" "G"
## [21439] "T" "C" "A" "T" "A" "C" "A" "A" "A" "T" "C" "T" "G" "T" "A" "C" "T" "G"
## [21457] "T" "A" "C" "T" "T" "G" "T" "C" "C" "A" "C" "A" "A" "T" "A" "A" "T" "T"
## [21475] "T" "A" "T" "C" "T" "T" "T" "T" "A" "T" "C" "G" "T" "C" "G" "T" "T" "G"
## [21493] "T" "T" "T" "T" "T" "C" "C" "T" "T" "G" "T" "G" "T" "T" " " "C" "A" "C"
## [21511] "A" "T" "T" "G" "A" "A" "A" "T" "T" "A" "A" "T" "T" "G" "A" "C" "G" "A"
  [21529] "A" "G" "T" "T" "G" "G" "T" "T" "A" "A" "T" "A" "A" "T" "T" "G" "T" "T"
  [21547] "A" "A" "A" "A" "T" "G" "G" "T" "G" "G" "G" "A" "A" "T" "T" "C" "A" "C"
  [21565] "G" "A" "T" "A" "G" "A" "A" "A" "C" "A" "A" "C" "A" " " "A" "T" "G" "T"
## [21583] "T" "G" "T" "A" "A" "T" "T" "G" "T" "T" "G" "A" "A" "C" "A" "G" "A" "T"
  [21601] "C" "A" "T" "C" "A" "A" "C" "G" "T" "G" "T" "A" "C" "A" "G" "T" "T" "G"
## [21619] "A" "A" "T" "T" "T" "C" "C" "A" "T" "C" "A" "A" "T" "A" "A" "A" "G"
## [21637] "A" "A" "A" "A" "A" "T" "C" "G" "T" "C" "G" "T" " " "G" "A" "T" "G" "C"
## [21655] "A" "T" "A" "A" "A" "C" "A" "A" "A" "A" "G" "C" "A" "T" "C" "A" "A" "C"
  [21673] "A" "A" "G" "T" "C" "T" "G" "T" "A" "C" "T" "G" "T" "A" "C" "T" "T"
  [21691] "T" "A" "G" "A" "A" "A" "T" "T" "G" "C" "A" "A" "G" "G" "T" "A" "T" "A"
  [21709] "G" "T" "T" "T" "C" "A" "T" "T" "A" "C" "A" " "A" "C" "A" "C" "A" "C" "T" "G"
## [21727] "A" "A" "A" "A" "A" "C" "G" "A" "T" "G" "G" "A" "C" "G" "C" "G" "T" "A"
## [21745] "A" "T" "T" "A" "T" "A" "C" "T" "G" "C" "G" "C" "G" "C" "G" "T" "G"
## [21763] "T" "C" "A" "G" "T" "T" "A" "T" "G" "T" "T" "C" "G" "T" "G" "G" "T" "T"
## [21781] "C" "C" "A" "G" "T" "G" "C" "C" "C" "C" " " "A" "C" "A" "G" "T" "A" "C"
## [21799] "A" "A" "A" "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "A" "T" "A" "T" "C"
[21835] "G" "T" "T" "G" "A" "T" "A" "G" "C" "G" "G" "T" "C" "A" "T" "T" "G" "A"
## [21853] "A" "G" "A" "T" "A" "C" "A" "G" "T" " " "C" "T" "A" "A" "C" "T" "A" "C"
## [21871] "A" "C" "T" "G" "T" "T" "A" "A" "A" "T" "T" "C" "T" "G" "T" "A" "A" "G"
## [21889] "T" "T" "G" "T" "T" "G" "T" "A" "G" "A" "A" "A" "T" "C" "A" "A" "A" "G"
## [21907] "A" "T" "G" "T" "A" "G" "A" "C" "T" "T" "A" "G" "T" "T" "G" "T" "T" "T"
## [21925] "G" "G" "G" "A" "A" "C" "G" "G" " " " "C" "T" "C" "G" "A" "C" "G" "A" "C"
  [21943] "T" "T" "T" "A" "T" "T" "T" "T" "C" "A" "T" "C" "A" "T" "C" "T"
## [21961] "G" "T" "A" "A" "C" "A" "G" "A" "T" "T" "C" "C" "T" "G" "T" "G" "T" "A"
## [21979] "A" "G" "A" "A" "A" "C" "G" "T" "T" "C" "A" "A" "G" "T" "C" "G" "A" "A"
## [21997] "G" "A" "C" "G" "T" "C" "A" " "A" "C" "G" "T" "T" "G" "A" "T" "C" "A"
## [22015] "C" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A" "A" "A" "G" "G" "T" "A" "A"
## [22033] "C" "C" "A" "T" "G" "C" "A" "A" "T" "T" "T" "T" "C" "A" "A" "C" "T" "A"
## [22051] "C" "T" "T" "T" "T" "G" "C" "A" "T" "A" "A" "T" "T" "G" "C" "A" "T" "T"
## [22069] "C" "G" "T" "A" "G" "T" " "T" "T" "G" "T" "A" "A" "A" "A" "T" "T" "G"
## [22087] "A" "C" "G" "T" "T" "G" "A" "A" "G" "G" "C" "G" "T" "G" "A" "T" "A" "G"
## [22105] "T" "G" "G" "T" "T" "G" "T" "A" "G" "T" "C" "T" "G" "T" "G" "A" "T" "T"
## [22123] "A" "C" "G" "G" "A" "C" "T" "A" "G" "A" "T" "C" "A" "T" "T" "G" "A" "T" "C"
## [22141] "A" "T" "A" "T" "C" " " "C" "A" "A" "C" "T" "G" "T" "G" "T" "A" "T" "T"
## [22159] "C" "G" "A" "C" "T" "G" "A" "C" "A" "T" "C" "A" "T" "T" "T" "G" "T" "C"
## [22177] "T" "G" "C" "G" "A" "C" "T" "A" "A" "A" "A" "C" "G" "T" "C" "T" "A" "C"
## [22195] "T" "A" "A" "G" "A" "A" "G" "T" "G" "T" "A" "A" "A" "A" "C" "T" "A" "A"
  [22213] "A" "T" "G" "G" " " "T" "A" "G" "T" "T" "T" "T" "T" "G" "A" "T" "A" "T"
## [22231] "T" "G" "T" "A" "A" "T" "T" "A" "T" "C" "C" "G" "T" "T" "A" "C" "T" "T"
## [22249] "G" "G" "A" "A" "A" "T" "C" "A" "C" "A" "A" "T" "A" "A" "T" "C" "G" "A"
## [22267] "G" "A" "G" "T" "C" "C" "A" "A" "C" "A" "G" "A" "T" "T" "C" "A" "A" "T"
          "T" "G" "T" " " "T" "T" "T" "A" "C" "T" "C" "T" "C" "T" "C" "T" "C" "T"
## [22285]
## [22303] "T" "A" "C" "A" "G" "A" "A" "G" "T" "A" "T" "T" "C" "A" "G" "A" "A"
## [22321] "A" "A" "C" "T" "G" "G" "T" "C" "G" "A" "A" "A" "T" "A" "G" "T" "T" "T"
## [22339] "C" "A" "T" "T" "T" "C" "T" "A" "C" "C" "T" "A" "C" "C" "T" "T" "T" "G" "G"
```

```
## [22357] "T" "A" " "A" "G" "A" "G" "T" "G" "A" "C" "A" "T" "T" "G" "T" "G"
  [22375] "A" "T" "A" "G" "T" "T" "G" "C" "T" "A" "C" "A" "T" "T" "C" "T" "T" "C"
## [22393] "T" "G" "A" "C" "C" "A" "G" "T" "C" "A" "T" "C" "C" "T" "A" "A" "A" "A" "T"
## [22411] "A" "A" "C" "C" "A" "G" "A" "A" "A" "A" "T" "T" "T" "G" "A" "C" "A" "T"
## [22429] "C" " "A" "C" "T" "G" "T" "T" "C" "A" "G" "A" "G" "A" "G" "C" "G" "T"
## [22447] "T" "G" "A" "A" "G" "T" "A" "G" "T" "G" "A" "T" "T" "A" "T" "T" "T" "A"
## [22465] "C" "A" "T" "G" "A" "T" "G" "G" "T" "C" "G" "T" "G" "T" "C" "T" "T" "A"
## [22483] "C" "A" "T" "A" "G" "T" "G" "T" "A" "A" "T" "T" "G" "T" "G" "T" "T"
  [22501] " " "A" "A" "G" "G" "T" "T" "A" "A" "C" "A" "C" "A" "T" "C" "A" "A" "A" "A"
  [22519] "C" "G" "T" "T" "T" "T" "C" "G" "G" "A" "A" "A" "T" "G" "G" "A" "G" "G"
  [22537] "T" "A" "A" "T" "C" "G" "T" "A" "T" "C" "T" "G" "T" "A" "T" "T" "T" "T"
## [22555] "C" "C" "T" "G" "G" "A" "A" "G" "A" "T" "T" "G" "T" "G" "G" "T" "A" " "
  [22573] "A" "T" "T" "G" "T" "T" "A" "T" "C" "A" "A" "C" "A" "T" "G" "T" "A" "A"
## [22591] "G" "C" "T" "G" "A" "G" "A" "A" "C" "A" "A" "C" "G" "A" "G" "A" "T" "A"
## [22609] "A" "T" "G" "C" "A" "A" "A" "C" "A" "T" "T" "G" "T" "G" "T" "A" "G" "T"
## [22627] "A" "T" "G" "T" "T" "C" "A" "A" "C" "T" "A" "C" "T" "A" "A" "A" "A" " "T"
  [22645]
         "G" "T" "T" "G" "G" "C" "A" "G" "A" "T" "G" "T" "T" "G" "T" "A" "C" "G"
## [22663] "T" "G" "T" "A" "T" "T" "G" "A" "A" "A" "A" "G" "G" "T" "A" "T" "G" "T"
## [22681] "A" "T" "T" "A" "T" "T" "T" "T" "A" "C" "T" "A" "C" "G" "T" "T" "T" "C"
## [22699] "T" "T" "C" "T" "A" "C" "A" "T" "G" "T" "A" "A" "G" "A" "T" " " "T" "G"
## [22717] "G" "T" "A" "T" "C" "G" "A" "C" "T" "T" "T" "A" "G" "C" "C" "C" "C" "G"
## [22735] "G" "T" "A" "A" "A" "C" "A" "T" "G" "T" "T" "C" "T" "A" "A" "T" "T" "A"
## [22753] "A" "T" "A" "A" "T" "T" "G" "G" "T" "G" "T" "A" "T" "T" "C" "G" "G" "T"
## [22789] "C" "A" "T" "G" "A" "C" "G" "T" "T" "T" "T" "A" "T" "C" "G" "A" "C" "T"
## [22807] "T" "T" "T" "T" "G" "T" "T" "A" "A" "C" "G" "T" "A" "C" "T" "A" "A" "C"
## [22825] "G" "T" "C" "G" "G" "T" "T" "A" "G" "G" "T" "T" "C" "A" "T" "G" "T" "A"
## [22843] "T" "C" "T" "T" "T" "T" "T" "G" "G" "A" "T" "C" "A" " " "C" "T" "T" "T" "T"
## [22861] "T" "C" "T" "T" "A" "T" "A" "T" "A" "C" "G" "G" "T" "T" "T" "T" "T" "T" "G"
## [22879] "G" "T" "G" "A" "G" "A" "C" "G" "T" "T" "G" "A" "T" "T" "C" "G" "G" "T"
## [22897] "T" "T" "T" "C" "G" "T" "C" "A" "A" "T" "T" "T" "A" "G" "G" "G" "T" "A"
  [22915] "A" "A" "T" "T" "T" "T" "C" "T" "A" "C" "T" "T" "T" " " "T" "A" "C" "C" "A"
## [22933] "T" "T" "A" "A" "A" "C" "A" "T" "A" "T" "C" "A" "A" "A" "G" "A" "T" "T"
## [22951] "T" "C" "T" "T" "C" "C" "T" "A" "T" "C" "C" "A" "G" "A" "T" "T"
## [22969] "T" "C" "T" "T" "A" "G" "A" "T" "T" "T" "G" "G" "T" "G" "A" "T" "T" "C"
## [22987] "T" "G" "T" "T" "T" "G" "T" "G" "A" "T" "G" " " "T" "T" "C" "C" "A" "T"
## [23023] "A" "A" "C" "G" "T" "T" "A" "T" "C" "A" "C" "T" "G" "T" "A" "A" "T" "C"
## [23041] "A" "T" "C" "T" "C" "A" "A" "G" "T" "T" "T" "A" "T" "C" "G" "G" "A" "A"
  [23059] "G" "A" "G" "A" "C" "A" "T" "T" "G" "G" " " "T" "C" "A" "T" "G" "T" "C"
##
## [23077] "A" "T" "T" "C" "T" "T" "C" "G" "G" "T" "A" "C" "G" "G" "A" "T" "T" "T"
## [23095] "A" "A" "T" "C" "T" "G" "T" "A" "A" "T" "T" "T" "T" "T" "G" "T" "G" "A"
## [23113] "T" "T" "T" "C" "G" "T" "C" "G" "C" "A" "A" "A" "C" "T" "C" "A" "T" "C"
## [23131] "T" "A" "A" "T" "T" "T" "C" "T" "T" " "G" "G" "A" "T" "C" "C" "G" "T"
## [23149] "T" "T" "G" "T" "G" "A" "A" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "T" "T"
[23185] "G" "T" "C" "A" "A" "A" "T" "C" "T" "T" "T" "T" "T" "A" "A" "T" "C" "C"
  [23203] "A" "C" "T" "G" "A" "A" "G" "T" " "T" "T" "A" "T" "T" "A" "T" "T"
  [23221] "T" "A" "C" "T" "T" "C" "G" "G" "A" "G" "A" "T" "C" "T" "G" "T" "T" "T"
## [23239] "T" "A" "A" "A" "T" "G" "G" "C" "T" "G" "T" "G" "A" "G" "A" "A" "T" "T"
         "G" "T" "C" "A" "T" "A" "A" "G" "A" "A" "A" "C" "G" "A" "T" "A" "T" "C"
  [23257]
## [23275] "A" "T" "C" "A" "G" "C" "C" " " "G" "T" "A" "T" "C" "T" "A" "C" "G" "A"
## [23293] "A" "A" "T" "T" "A" "A" "G" "A" "T" "C" "T" "T" "A" "A" "A" "C" "A" "T"
## [23311] "G" "A" "A" "G" "A" "T" "C" "A" "T" "T" "T" "T" "C" "A" "T" "G" "T" "G"
```

```
## [23329] "T" "T" "A" "A" "C" "A" "T" "C" "G" "T" "T" "A" "T" "T" "T" "T" "C" "A" "T"
   [23347] "T" "T" "C" "T" "T" "T" "T" " "A" "T" "T" "C" "C" "G" "T" "A" "T" "A" "T"
  [23365] "T" "A" "A" "T" "C" "A" "T" "G" "T" "T" "T" "G" "T" "G" "C" "C" "A" "A"
## [23383] "A" "T" "T" "T" "G" "T" "G" "G" "C" "A" "C" "A" "T" "T" "G" "A" "T" "A"
## [23401] "C" "A" "A" "T" "C" "A" "T" "C" "A" "A" "C" "A" "T" "G" "A" "T" "T" "G"
## [23419] "T" "T" "G" "A" "A" " " "A" "C" "A" "A" "T" "T" "C" "T" "T" "T" "T" "T" "C"
## [23437] "C" "G" "A" "A" "T" "C" "G" "T" "A" "T" "T" "A" "A" "T" "C" "G" "A" "T"
## [23455] "A" "T" "C" "A" "T" "A" "G" "G" "G" "T" "T" "C" "C" "C" "T" "G" "T" "G"
## [23473] "A" "T" "A" "A" "T" "T" "G" "T" "C" "G" "T" "C" "G" "A" "T" "T" "T" "T" "G"
  [23491] "G" "T" "A" "C" " " "T" "C" "A" "T" "C" "G" "T" "T" "C" "C" "C" "A" "A"
  [23509] "A" "A" "G" "T" "T" "T" "G" "G" "A" "T" "T" "A" "T" "G" "A" "G" "A" "T"
## [23527] "C" "T" "A" "T" "T" "A" "A" "G" "T" "A" "A" "T" "C" "C" "A" "A" "A" "G"
## [23545] "A" "A" "T" "T" "A" "T" "C" "A" "T" "C" "A" "T" "C" "T" "G" "A" "T" "C" "T" "T"
## [23563] "A" "A" "C" " "A" "G" "A" "T" "G" "T" "A" "T" "T" "C" "G" "T" "C" "G"
## [23581] "G" "T" "A" "A" "T" "C" "T" "A" "G" "A" "C" "A" "C" "A" "C" "A" "C" "G" "G"
## [23599] "T" "T" "G" "G" "A" "G" "A" "G" "A" "C" "A" "T" "T" "A" "A" "A" "A" "A"
  ## [23635] "T" "T" " "C" "A" "T" "A" "T" "A" "C" "A" "G" "A" "G" "G" "A" "T"
## [23653] "G" "T" "T" "G" "A" "A" "G" "C" "C" "A" "T" "C" "A" "A" "A" "A" "A" "G" "T"
## [23671] "G" "T" "A" "A" "T" "G" "T" "G" "A" "G" "T" "T" "C" "T" "T" "G" "C" "A"
## [23689] "G" "A" "A" "A" "G" "A" "C" "A" "T" "A" "C" "C" "A" "T" "C" "C" "T" "A"
## [23707] "A" " "A" "A" "G" "G" "T" "G" "A" "T" "G" "A" "A" "G" "A" "A" "G" "A" "A" "G" "T"
## [23725] "C" "T" "C" "T" "G" "A" "C" "C" "A" "A" "A" "A" "T" "C" "T" "A" "G" "A"
## [23743] "A" "G" "C" "G" "T" "C" "C" "G" "T" "T" "C" "T" "A" "A" "T" "A" "G" "G"
## [23761] "T" "A" "A" "G" "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "A" "G" "A"
  [23779] " " "C" "T" "G" "A" "A" "G" "T" "C" "A" "T" "G" "T" "A" "G" "T" "T" "T"
## [23797] "G" "C" "T" "T" "A" "A" "A" "C" "T" "A" "C" "A" "A" "A" "G" "T" "T" "G"
  [23815] "A" "C" "C" "A" "A" "A" "A" "C" "A" "C" "G" "A" "G" "G" "T" "T" "T" "C"
## [23833] "T" "G" "T" "T" "G" "C" "A" "T" "A" "T" "G" "T" "G" "G" "T" "C" "C" " "
## [23851] "A" "T" "A" "A" "A" "C" "C" "A" "A" "A" "T" "A" "T" "G" "C" "A" "C" "C"
## [23869] "G" "A" "A" "A" "T" "A" "A" "T" "C" "A" "A" "C" "G" "T" "A" "A" "C" "A"
          "A" "T" "T" "G" "T" "A" "C" "G" "G" "T" "T" "T" "G" "T" "T" "A" "T" "C"
  [23887]
## [23905] "C" "A" "A" "A" "T" "A" "C" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" " "T"
## [23923] "C" "G" "A" "G" "G" "A" "A" "A" "A" "T" "T" "T" "T" "T" "C" "T" "C"
## [23941] "C" "C" "A" "C" "A" "C" "A" "T" "C" "A" "C" "A" "A" "A" "A" "T" "A" "T" "T"
## [23959] "A" "G" "T" "T" "A" "T" "C" "G" "G" "T" "G" "T" "G" "T" "A" "G" "T"
## [23977] "G" "G" "T" "A" "A" "A" "T" "T" "C" "A" "G" "T" "C" "C" "C" " " "T" "T"
## [23995] "T" "T" "T" "A" "C" "A" "T" "T" "G" "A" "A" "A" "A" "T" "T" "C" "G" "A" "G"
## [24013] "A" "G" "A" "A" "C" "T" "T" "C" "G" "T" "C" "C" "A" "A" "A" "A" "G" "A" "A"
## [24031] "T" "A" "T" "T" "G" "G" "T" "C" "A" "A" "T" "T" "G" "A" "C" "C" "A" "A"
## [24049] "A" "T" "T" "T" "A" "G" "T" "A" "G" "T" "C" "G" "T" "T" "T" " "T" "A" "A"
## [24067] "A" "C" "T" "A" "T" "A" "A" "T" "A" "G" "T" "G" "T" "A" "T" "G" "T" "T"
## [24085] "T" "G" "A" "A" "T" "T" "T" "T" "A" "A" "G" "C" "T" "T" "C" "G"
## [24103] "A" "A" "C" "G" "C" "A" "A" "A" "C" "C" "T" "A" "T" "A" "C" "C" "A" "A"
## [24121] "C" "C" "A" "A" "A" "C" "C" "A" "T" "G" "T" "T" "C" " " "T" "A" "G" "T"
## [24139] "T" "A" "A" "C" "C" "A" "A" "C" "G" "A" "G" "A" "C" "A" "C" "T" "T" "T"
   [24157] "A" "T" "T" "C" "T" "T" "A" "A" "C" "A" "G" "A" "A" "A" "G" "A" "A" "A" "T"
## [24175] "A" "T" "T" "A" "T" "A" "A" "C" "A" "G" "G" "T" "T" "G" "A" "A" "T"
  [24193] "C" "C" "C" "A" "G" "T" "T" "A" "A" "A" "G" "A" " " "C" "A" "T" "G" "T"
## [24211] "T" "T" "G" "T" "T" "G" "T" "G" "G" "T" "A" "G" "G" "T" "T" "A" "A" "A"
          "T" "A" "T" "T" "C" "A" "T" "T" "G" "A" "C" "C" "A" "A" "A" "A" "A" "T" "A"
## [24229]
## [24247] "C" "C" "A" "A" "C" "A" "C" "A" "C" "A" "T" "T" "G" "A" "C" "A" "A"
## [24265] "A" "A" "G" "A" "A" "A" "C" "A" "T" "C" "T" " " "T" "T" "T" "T" "G" "T" "A"
## [24283] "G" "G" "C" "A" "T" "T" "A" "T" "C" "C" "T" "G" "G" "A" "A" "A" "A" "C" "A"
```

```
## [24301] "T" "A" "A" "G" "A" "C" "T" "C" "C" "T" "G" "A" "A" "A" "C" "A" "T" "T"
  [24319] "C" "A" "T" "T" "T" "C" "G" "T" "G" "G" "C" "A" "G" "A" "T" "A" "T" "A" "C" "G"
## [24337] "T" "T" "A" "T" "G" "T" "T" "T" "C" "A" " " "A" "A" "G" "A" "A" "A" "A" "T"
## [24355] "C" "T" "T" "C" "A" "A" "T" "A" "T" "A" "C" "A" "A" "A" "A" "T" "A" "T" "C"
## [24373] "A" "C" "T" "G" "G" "T" "G" "T" "G" "A" "C" "C" "A" "T" "T" "A" "A" "T"
## [24391] "G" "G" "T" "C" "A" "C" "A" "T" "G" "A" "G" "T" "G" "A" "T" "C" "G" "T"
## [24409] "G" "T" "T" "T" "A" "T" "T" "A" " " "C" "A" "T" "G" "G" "T" "A" "C"
## [24427] "G" "A" "A" "T" "T" "C" "A" "A" "G" "T" "A" "T" "G" "A" "C" "T" "C" "G"
## [24445] "T" "C" "C" "A" "C" "C" "A" "C" "G" "A" "C" "T" "G" "T" "A" "G" "T" "A"
## [24463] "T" "T" "G" "T" "T" "T" "T" "C" "C" "A" "C" "T" "G" "A" "G" "G" "A" "C"
  [24481] "A" "A" "C" "A" "T" "G" "A" "T" " " "C" "T" "A" "T" "A" "A" "A" "A" "A" "A" "C"
## [24499] "A" "T" "C" "G" "A" "A" "C" "A" "A" "A" "T" "G" "G" "T" "G" "T" "G" "C"
## [24517] "A" "T" "G" "T" "T" "C" "C" "A" "T" "A" "G" "A" "C" "T" "T" "G" "T" "G"
## [24535] "G" "A" "A" "A" "G" "A" "A" "T" "T" "T" "A" "A" "C" "A" "A" "G" "T" "A"
## [24553] "T" "T" "C" "T" "T" "C" " " "A" "C" "A" "C" "G" "G" "G" "T" "A" "C"
## [24571] "A" "T" "G" "T" "A" "T" "T" "G" "T" "C" "G" "A" "A" "G" "A" "T" "G" "T"
  [24589]
          "G" "G" "G" "A" "A" "T" "T" "C" "C" "C" "A" "A" "C" "A" "G" "A" "C" "A" "C" "A" "C" "A" "C" "G"
## [24607] "A" "C" "A" "A" "C" "A" "G" "G" "T" "G" "T" "T" "C" "A" "A" "A" "A" "T"
## [24625] "G" "T" "G" "T" "G" "G" " " "T" "G" "C" "A" "A" "G" "T" "T" "C" "T" "G"
## [24643] "A" "G" "A" "A" "A" "A" "C" "G" "T" "T" "C" "T" "T" "A" "G" "A" "T" "T"
## [24661] "T" "A" "A" "C" "C" "G" "T" "A" "C" "A" "A" "C" "T" "T" "T" "G" "T" "T"
## [24679] "C" "A" "T" "T" "G" "A" "G" "T" "A" "A" "C" "A" "A" "A" "G" "A" "G" "A"
## [24697] "T" "T" "G" "T" "A" " " "G" "T" "G" "G" "A" "T" "T" "G" "A" "G" "A" "G" "T" "G"
## [24715] "G" "A" "T" "G" "A" "C" "A" "G" "A" "A" "T" "A" "A" "T" "G" "T" "C" "A"
## [24733] "T" "C" "C" "G" "A" "T" "T" "C" "T" "A" "T" "T" "C" "A" "C" "G" "T" "G"
## [24751] "T" "T" "T" "T" "C" "A" "A" "T" "C" "G" "G" "C" "G" "A" "A" "A" "G" "T" "G"
## [24769] "G" "T" "C" "G" " " "G" "G" "A" "A" "C" "G" "A" "C" "A" "T" "T"
## [24787] "A" "T" "T" "C" "G" "T" "A" "G" "A" "A" "C" "A" "T" "C" "T" "C" "G" "T"
## [24805] "C" "C" "A" "C" "C" "T" "A" "A" "T" "T" "T" "G" "A" "A" "G" "T" "T" "G"
## [24823] "A" "G" "A" "T" "A" "A" "A" "C" "A" "A" "C" "C" "T" "C" "A" "C" "A" "A"
## [24841] "T" "T" "G" " " "T" "T" "A" "C" "G" "T" "C" "A" "C" "C" "G" "T" "T" "C"
  [24859]
          "T" "A" "T" "T" "G" "T" "C" "A" "A" "C" "A" "A" "T" "A" "G" "A" "G" "G"
## [24877] "G" "G" "T" "A" "A" "A" "T" "T" "A" "T" "C" "T" "T" "C" "A" "A" "T" "T"
## [24895] "T" "G" "G" "T" "A" "A" "T" "T" "G" "A" "A" "C" "A" "C" "C" "C" "A" "T"
## [24913] "A" "A" " " "A" "G" "G" "T" "G" "A" "A" "A" "A" "A" "T" "C" "A" "C" "A"
## [24931] "C" "T" "A" "A" "A" "T" "T" "A" "C" "G" "A" "C" "T" "G" "T" "A" "C" "A"
## [24949] "T" "G" "G" "A" "T" "G" "G" "G" "T" "C" "T" "T" "T" "T" "G" "A" "T" "C"
## [24967] "C" "T" "A" "G" "T" "C" "A" "A" "C" "A" "C" "A" "C" "A" "C" "A" "T" "C" "A"
## [24985] "T" " "G" "A" "G" "T" "T" "T" "T" "C" "G" "G" "A" "G" "T" "T" "G" "T"
  [25003] "G" "C" "A" "T" "C" "T" "C" "A" "C" "A" "G" "T" "A" "G" "T" "A" "G" "T" "A" "A" "A" "T"
##
## [25021] "C" "C" "A" "T" "T" "T" "T" "G" "T" "A" "T" "T" "T" "T" "A" "C" "A" "A"
## [25039] "A" "A" "T" "G" "G" "A" "A" "G" "T" "A" "C" "A" "C" "T" "T" "A" "A" "T"
## [25075] "T" "T" "G" "T" "A" "G" "T" "C" "G" "A" "G" "G" "T" "A" "G" "G" "T" "T"
## [25093] "T" "A" "T" "T" "C" "A" "A" "C" "C" "T" "G" "G" "T" "T" "T" "T" "G" "A" "C"
## [25111] "A" "A" "C" "A" "G" "G" "T" "A" "T" "A" "C" "A" "G" "T" "A" "C" "
   [25129] "T" "G" "T" "A" "C" "A" "G" "G" "T" "G" "T" "T" "G" "A" "A" "C" "G" "C"
  [25147] "A" "C" "A" "C" "C" "T" "C" "C" "A" "A" "T" "T" "A" "C" "A" "A" "C" "A"
  [25165] "G" "A" "T" "G" "A" "C" "A" "A" "C" "A" "T" "T" "T" "G" "T" "G" "G" "A"
## [25183] "A" "T" "T" "A" "T" "C" "A" "G" "G" "A" "G" "T" "G" "A" "A" "G" " " "A"
  ## [25219] "A" "A" "T" "T" "C" "T" "A" "A" "C" "A" "G" "T" "T" "T" "C" "C" "A" "C"
## [25237] "T" "A" "T" "T" "G" "A" "A" "G" "T" "G" "T" "A" "G" "A" "T" "C" "C"
## [25255] "A" "C" "C" "T" "T" "A" "C" "A" "C" "A" "T" "C" "C" "T" " " "A" "A"
```

```
## [25273] "T" "G" "A" "T" "C" "A" "C" "A" "T" "T" "A" "T" "A" "T" "G" "T" "G" "A"
   [25291] "A" "A" "A" "T" "A" "G" "T" "G" "G" "A" "G" "A" "G" "A" "A" "A" "T" "T" "C"
  [25309] "T" "T" "T" "A" "A" "G" "A" "T" "A" "T" "G" "G" "A" "T" "C" "A" "A" "C"
  [25327] "A" "C" "A" "T" "C" "T" "A" "A" "C" "A" "G" "G" "T" "C" " "T" "T" "A"
## [25345] "T" "C" "C" "T" "G" "G" "T" "T" "A" "G" "A" "A" "A" "T" "A" "T" "C" "C"
## [25363] "T" "T" "G" "G" "T" "C" "G" "T" "T" "C" "A" "C" "T" "C" "T" "A" "C" "C"
## [25381] "A" "A" "A" "G" "T" "T" "A" "T" "T" "T" "A" "C" "A" "A" "G" "A" "A"
## [25399] "G" "T" "C" "C" "A" "C" "A" "A" "A" "A" "T" "C" "T" " " "T" "C" "T" "T"
  [25417] "C" "T" "T" "C" "A" "T" "T" "C" "T" "A" "T" "G" "G" "T" "A" "A" "T"
  [25435] "A" "T" "G" "C" "G" "A" "C" "A" "T" "T" "G" "T" "C" "G" "T" "A" "G" "T"
  [25453] "C" "C" "A" "C" "T" "T" "C" "T" "T" "T" "G" "T" "C" "T" "T" "T" "G" "A"
## [25471] "C" "A" "T" "C" "G" "A" "C" "C" "G" "T" "G" "A" " " "A" "A" "C" "T" "C"
  [25489] "T" "C" "T" "A" "G" "A" "G" "T" "A" "T" "A" "T" "G" "G" "C" "T" "C" "G"
## [25507] "T" "C" "G" "A" "A" "G" "A" "A" "G" "T" "T" "T" "A" "A" "A" "A" "T" "T"
## [25525] "C" "G" "G" "T" "A" "C" "A" "C" "A" "T" "G" "T" "A" "T" "C" "G" "G"
## [25543] "T" "T" "C" "A" "C" "C" "G" "T" "A" "A" "C" " " "A" "T" "T" "G" "T" "T"
  [25561]
          "C" "T" "C" "A" "A" "A" "G" "T" "A" "A" "A" "T" "C" "T" "A" "G" "C" "A"
  [25579] "A" "T" "T" "C" "A" "C" "A" "C" "A" "A" "C" "T" "A" "T" "T" "C" "A" "C"
  [25597] "T" "G" "C" "G" "A" "T" "G" "T" "C" "A" "A" "C" "A" "A" "A" "A" "A" "T" "G"
## [25615] "A" "C" "C" "A" "C" "A" "T" "T" "T" "T" "T" " "C" "A" "T" "T" "T" "T" "A"
## [25633] "G" "A" "T" "C" "G" "T" "G" "G" "T" "A" "T" "A" "G" "G" "T" "T" "G" "G"
## [25651] "T" "G" "T" "G" "G" "G" "A" "G" "A" "A" "C" "A" "T" "A" "A" "A" "A" "A" "T"
## [25669] "T" "A" "T" "G" "G" "G" "A" "A" "T" "A" "T" "A" "A" "A" "T" "G" "C" "G"
## [25687] "A" "C" "A" "T" "A" "T" "C" "A" "A" " " "C" "T" "T" "T" "G" "A" "T" "A"
## [25705] "C" "C" "G" "A" "A" "A" "T" "C" "A" "A" "A" "G" "G" "T" "G" "T" "G" "T"
  [25723] "C" "T" "G" "T" "C" "C" "G" "T" "A" "A" "T" "T" "A" "A" "A" "A" "C" "G" "C"
## [25741] "A" "C" "A" "A" "A" "G" "A" "G" "A" "C" "G" "T" "A" "C" "A" "C" "G"
  [25759] "T" "T" "C" "G" "T" "A" "A" "A" " "" "G" "A" "G" "C" "G" "T" "T" "T" "A"
## [25777] "A" "G" "G" "T" "T" "C" "T" "T" "G" "T" "C" "A" "A" "G" "G" "T" "T"
## [25795] "C" "T" "T" "A" "A" "G" "A" "A" "C" "G" "A" "A" "G" "A" "G" "T" "A"
## [25813] "A" "T" "C" "T" "C" "T" "A" "T" "A" "T" "C" "T" "A" "C" "C" "A" "T"
          "C" "T" "T" "A" "C" "A" "T" " "T" "T" "T" "C" "C" "G" "T" "G" "A" "A"
  [25831]
  [25849] "A" "A" "T" "G" "T" "G" "A" "A" "A" "A" "A" "T" "T" "C" "G" "T" "G" "A"
## [25867] "C" "A" "G" "A" "A" "A" "C" "G" "G" "G" "A" "G" "A" "T" "G" "T"
## [25885] "C" "A" "C" "A" "T" "T" "G" "G" "T" "A" "A" "A" "T" "T" "T" "G" "G" "G"
## [25903] "A" "C" "T" "G" "G" "G" " " "C" "C" "C" "A" "T" "T" "C" "A" "C" "C" "A"
## [25921] "A" "T" "A" "T" "A" "T" "A" "C" "A" "G" "A" "C" "A" "C" "C"
## [25939] "G" "T" "G" "A" "A" "A" "A" "G" "A" "G" "T" "T" "T" "C" "G" "A" "A" "A" "A"
## [25957] "G" "C" "G" "A" "T" "C" "G" "T" "A" "A" "A" "G" "T" "C" "A" "T" "C" "A"
  [25975] "C" "G" "G" "T" "G" " " "G" "T" "C" "G" "G" "A" "A" "A" "A" "A" "A" "T" "C"
##
## [25993] "A" "T" "C" "C" "A" "T" "A" "T" "G" "G" "T" "G" "T" "C" "G" "T" "C"
## [26011] "A" "A" "T" "T" "T" "T" "G" "T" "G" "G" "A" "G" "A" "A" "A" "C" "T" "T"
## [26029] "G" "T" "T" "G" "T" "A" "G" "T" "G" "G" "T" "G" "A" "T" "A" "T" "A"
## [26065] "T" "T" "C" "T" "T" "C" "A" "C" "T" "A" "C" "A" "G" "T" "T" "A" "C"
## [26083] "A" "G" "T" "G" "A" "T" "T" "G" "T" "T" "C" "T" "C" "A" "C" "C" "G" "T"
   [26101] "C" "T" "T" "A" "G" "A" "C" "C" "T" "A" "C" "T" "T" "C" "T" "A" "A" "C"
  [26119] "G" "G" "T" " "A" "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "T" "A" "T"
  [26137] "T" "T" "C" "A" "T" "T" "G" "T" "T" "C" "A" "A" "A" "A" "A" "G" "A" "C" "A"
  [26155] "C" "T" "C" "C" "T" "T" "G" "A" "A" "T" "C" "A" "A" "A" "A" "G" "A" "A" "G"
  [26173] "G" "T" "C" "T" "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "G" "A" "A" "G"
## [26191] "A" "A" " "G" "T" "T" "G" "T" "T" "C" "G" "A" "A" "A" "C" "T"
## [26209] "A" "A" "A" "A" "G" "A" "A" "T" "A" "G" "T" "A" "G" "A" "A" "C" "A" "A"
## [26227] "A" "A" "G" "A" "G" "A" "C" "A" "A" "G" "T" "T" "G" "A" "C" "T" "T" "C"
```

```
## [26245] "C" "A" "A" "A" "T" "G" "A" "A" "A" "G" "T" "C" "A" "A" "T" "A" "T" "T"
  [26263] "T" " " "A" "C" "C" "G" "A" "A" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A"
  [26281] "A" "A" "T" "C" "C" "T" "T" "A" "G" "A" "G" "T" "C" "G" "C" "T" "A" "G"
  [26299] "A" "A" "A" "A" "C" "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "A" "A" "A"
  [26317] "A" "G" "T" "G" "A" "G" "A" "G" "T" "A" "A" "A" "A" "G" "G" "T" "T"
  [26335] " " "T" "T" "C" "G" "A" "A" "C" "T" "T" "T" "G" "T" "T" "C" "A" "A" "A" "A"
##
## [26353] "C" "A" "G" "T" "A" "T" "C" "T" "C" "T" "A" "A" "A" "A" "A" "A" "T" "A" "G"
## [26371] "T" "T" "C" "T" "G" "T" "C" "G" "A" "T" "C" "A" "T" "C" "A" "T" "C" "T" "G"
  [26389] "T" "A" "A" "A" "C" "A" "C" "G" "C" "T" "T" "G" "T" "C" "A" "T" "A" " "
  [26407] "G" "A" "T" "G" "T" "G" "T" "T" "T" "G" "A" "G" "A" "A" "T" "T" "T" "C"
  [26425] "T" "T" "A" "C" "A" "T" "A" "T" "C" "C" "C" "A" "G" "T" "C" "G" "T" "G"
## [26443] "G" "T" "T" "T" "T" "A" "T" "G" "G" "T" "C" "G" "A" "C" "T" "A" "T"
  [26461] "T" "A" "T" "T" "A" "C" "C" "A" "C" "G" "T" "T" "C" "A" "T" "C" " "T"
## [26479] "T" "G" "A" "A" "G" "C" "A" "C" "G" "A" "C" "T" "A" "A" "T" "T" "T" "T"
## [26497] "A" "A" "A" "A" "G" "T" "A" "T" "T" "C" "G" "T" "G" "A" "G" "A" "A" "T"
## [26515] "T" "C" "T" "T" "C" "A" "A" "C" "T" "T" "A" "C" "A" "G" "A" "A" "G" "T"
  [26533]
         "G" "G" "A" "A" "A" "C" "A" "A" "T" "T" "G" "T" "A" "A" "A" "A" " " "C" "C"
  [26551] "C" "G" "G" "C" "T" "G" "T" "T" "G" "T" "A" "C" "T" "T" "C" "T" "G" "T"
  [26569] "C" "A" "C" "A" "A" "A" "A" "T" "C" "G" "T" "T" "C" "T" "A" "A" "C" "A" "C"
## [26587] "A" "G" "G" "C" "G" "A" "A" "T" "T" "T" "T" "G" "T" "G" "T" "T" "G" "A"
## [26605] "T" "G" "G" "T" "G" "G" "T" "G" "A" "A" "A" "A" "T" "T" " " "C" "A" "C"
## [26623] "C" "A" "G" "G" "T" "A" "A" "T" "C" "A" "T" "C" "G" "A" "T" "A" "C" "A"
## [26641] "T" "T" "A" "G" "T" "A" "G" "T" "C" "T" "A" "A" "G" "T" "T" "G" "A" "A"
## [26659] "C" "G" "T" "A" "C" "C" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T" "C"
## [26677] "G" "G" "A" "A" "T" "A" "A" "T" "T" "C" "C" "G" " "G" " " "A" "G" "G" "A"
  [26695] "C" "G" "T" "T" "G" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "A" "C" "A"
## [26713] "A" "A" "T" "T" "C" "C" "A" "T" "T" "G" "T" "A" "A" "A" "C" "C" "G" "A"
  ## [26749] "C" "C" "A" "A" "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "A" "A" "T" "C" "G"
## [26767] "A" "A" "G" "A" "A" "G" "G" "T" "G" "T" "A" "C" "A" "G" "A" "C" "G"
## [26785] "T" "A" "A" "A" "A" "A" "T" "T" "A" "C" "A" "T" "A" "T" "G" "T" "A" "A"
         "C" "A" "G" "T" "C" "A" "T" "T" "C" "A" "A" "A" "A" "T" "T" "T" "A" "T"
  [26803]
  [26821] "T" "G" "G" "T" "G" "A" "T" "T" "T" "T" "G" " " "A" "T" "A" "A" "G" "T"
  [26839] "G" "A" "A" "G" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "G" "T" "T"
## [26857] "G" "A" "C" "C" "A" "C" "A" "T" "T" "C" "A" "A" "G" "G" "T" "A" "G" "A"
## [26875] "G" "A" "T" "T" "A" "A" "C" "T" "C" "C" "A" "A" "C" "T" "T" "G" "G" "A"
## [26893] "G" "T" "T" "G" "T" "T" "A" "A" "C" "A" " "A" "A" "C" "T" "T" "A" "T"
## [26911] "C" "A" "T" "C" "A" "A" "C" "A" "G" "A" "C" "T" "A" "A" "C" "A" "G" "G"
## [26929] "A" "G" "T" "G" "A" "C" "G" "G" "C" "A" "G" "A" "A" "C" "A" "A" "C" "A" "A" "C" "T"
  [26947] "G" "G" "T" "T" "G" "T" "C" "A" "A" "A" "C" "A" "A" "C" "T" "G" "A" "T"
##
  [26965] "A" "G" "T" "A" "G" "T" "A" "G" "A" " " "T" "T" "G" "G" "T" "T" "A" "G"
## [27001] "T" "C" "C" "A" "A" "C" "T" "T" "C" "T" "C" "G" "T" "C" "G" "T" "C" "T"
## [27019] "T" "C" "A" "C" "C" "G" "T" "G" "G" "T" "T" "T" "A" "A" "G" "G" "T" "T"
## [27037] "T" "C" "C" "A" "A" "A" "T" "G" " " "G" "A" "A" "C" "C" "A" "T" "T" "A"
## [27055] "G" "T" "A" "G" "A" "A" "G" "T" "C" "A" "T" "G" "G" "T" "A" "T" "G" "A"
  [27073] "G" "T" "A" "T" "A" "A" "C" "T" "C" "A" "A" "C" "T" "A" "C" "C" "G" "A"
## [27127] "A" "G" "G" "A" "G" "T" "A" "G" "A" "C" "C" "T" "C" "C" "C" "A" "T" "N"
         "T" "T" "T" "C" "T" "T" "G" "T" "T" "A" "T" "G" "T" "A" "T" "A" "T" "A" "C" "A"
  [27145]
## [27163] "C" "T" "T" "C" "G" "G" "T" "T" "A" "A" "A" "T" "T" "T" "G" "A" "G" "T"
## [27181] "G" "G" "T" "C" "T" "G" " " "A" "G" "T" "A" "G" "T" "T" "T" "A" "T" "T"
## [27199] "C" "A" "T" "C" "A" "T" "A" "C" "A" "T" "C" "G" "G" "T" "A" "T" "G" "A"
```

```
## [27217] "G" "G" "T" "G" "A" "G" "T" "A" "G" "A" "T" "T" "T" "A" "G" "T" "T" "A"
  [27235] "C" "G" "G" "G" "T" "C" "A" "C" "C" "A" "C" "A" "T" "T" "C" "A" "T" "T"
## [27253] "A" "A" "G" "T" "C" " " "T" "A" "T" "G" "A" "C" "C" "A" "A" "C" "G" "T"
## [27271] "T" "T" "C" "A" "A" "A" "A" "A" "A" "C" "T" "G" "T" "C" "G" "T" "A"
## [27289] "G" "A" "C" "G" "G" "T" "G" "T" "G" "T" "G" "T" "G" "T" "C" "C" "G" "C" "T"
## [27307] "T" "G" "A" "G" "T" "A" "A" "A" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G"
## [27325] "G" "C" "T" "C" " " "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "A" "T" "C"
## [27343] "C" "G" "T" "C" "T" "C" "G" "T" "G" "G" "A" "G" "A" "G" "T" "A" "A" "T"
## [27361] "T" "C" "A" "T" "G" "A" "A" "A" "A" "G" "T" "T" "A" "G" "G" "A" "A"
## [27379] "A" "G" "T" "A" "G" "T" "T" "C" "A" "G" "T" "T" "T" "T" "T" "C" "A" "C"
  [27397] "T" "A" "T" " " "A" "A" "G" "T" "G" "T" "G" "A" "G" "A" "A" "A" "C" "A" "T"
## [27415] "T" "G" "G" "A" "A" "C" "G" "T" "G" "A" "A" "G" "A" "T" "A" "G" "T" "G"
## [27433] "T" "C" "A" "C" "A" "G" "T" "A" "G" "T" "G" "T" "T" "T" "T" "T" "C" "A"
## [27469] "C" "G" " " "G" "A" "A" "A" "C" "T" "C" "A" "C" "A" "C" "T" "T" "T" "C" "C"
## [27487] "A" "T" "A" "A" "C" "A" "A" "C" "A" "A" "T" "G" "G" "T" "A" "G" "T"
## [27505] "A" "T" "A" "A" "T" "C" "C" "A" "C" "G" "T" "T" "C" "C" "C" "G" "T" "G"
## [27523] "T" "C" "A" "T" "G" "A" "A" "A" "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A"
## [27541] "A" " " "C" "T" "A" "A" "A" "G" "C" "T" "C" "G" "T" "T" "G" "T" "A" "T"
## [27559] "T" "C" "G" "G" "G" "C" "A" "A" "T" "T" "A" "T" "G" "T" "T" "T" "G" "A"
## [27577] "C" "C" "A" "C" "A" "T" "G" "G" "T" "T" "G" "G" "T" "T" "A" "C" "C" "T"
## [27595] "C" "G" "A" "A" "G" "T" "T" "G" "T" "C" "G" "A" "A" "G" "T" "G" "A" "T"
## [27613] " " "C" "A" "T" "C" "C" "A" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C" "C"
## [27631] "A" "A" "C" "A" "T" "T" "T" "A" "G" "T" "G" "G" "T" "C" "A" "A" "A" "A" "A"
## [27649] "G" "T" "T" "C" "T" "G" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A" "C" "A"
## [27667] "A" "T" "T" "G" "T" "G" "A" "A" "G" "A" "C" "A" "C" "C" "C" "T" "T" " "
## [27685] "C" "A" "C" "A" "A" "A" "G" "A" "G" "G" "G" "G" "A" "G" "A" "T" "T" "C" "T"
## [27703] "T" "C" "T" "A" "T" "T" "A" "A" "A" "G" "A" "A" "A" "A" "C" "C" "C" "C"
## [27721] "G" "A" "A" "A" "A" "T" "C" "T" "C" "C" "G" "T" "A" "C" "T" "C" "A" "T"
## [27739] "C" "C" "G" "G" "T" "C" "A" "A" "A" "G" "A" "G" "A" "G" "A" " "C"
## [27757] "C" "T" "A" "A" "A" "T" "T" "G" "T" "G" "T" "G" "A" "A" "A" "G" "A" "C"
## [27775] "A" "T" "G" "T" "T" "A" "G" "G" "G" "A" "A" "A" "A" "C" "T" "C" "A" "C" "G"
## [27793] "C" "A" "C" "T" "G" "T" "T" "T" "A" "C" "A" "A" "A" "G" "T" "G" "G" "A"
## [27811] "T" "T" "A" "A" "G" "T" "T" "C" "C" "G" "A" "A" "A" "T" " " "T" "C"
## [27829] "A" "A" "A" "T" "C" "G" "A" "G" "G" "T" "G" "G" "T" "T" "A" "T" "T" "A"
## [27847] "C" "T" "A" "T" "C" "T" "C" "A" "G" "T" "C" "G" "T" "G" "T" "G" "T" "T"
## [27883] "T" "T" "C" "G" "A" "A" "T" "T" "C" "T" "T" "A" "C" " " "A" "G" " A"
## [27901] "C" "T" "T" "G" "T" "G" "A" "G" "A" "G" "A" "A" "A" "T" "T" "A" "A" "A" "A"
## [27919] "G" "G" "A" "A" "A" "C" "G" "T" "G" "T" "C" "C" "A" "C" "T" "G" "T" "T"
## [27937] "A" "A" "A" "C" "A" "G" "G" "T" "G" "G" "T" "G" "T" "G" "T" "A" "A" "A"
## [27955] "G" "T" "G" "T" "T" "C" "G" "T" "G" "T" "C" "C" "A" " " "A" "C" "T" "C"
## [27991] "G" "T" "T" "G" "G" "C" "A" "G" "A" "G" "A" "T" "T" "C" "T" "T" "T" "G"
## [28009] "A" "G" "A" "T" "G" "T" "G" "G" "A" "A" "G" "G" "A" "A" "T" "T" "T" "G"
## [28027] "A" "A" "G" "A" "G" "A" "G" "T" "T" "C" "G" " " "G" "T" "T" "A" "G"
  [28045] "T" "T" "C" "C" "T" "G" "C" "C" "C" "A" "A" "A" "A" "C" "T" "C" "A" "A" "A" "A"
  [28063] "A" "A" "G" "T" "A" "T" "T" "T" "G" "T" "C" "A" "C" "G" "G" "T" "T" "T"
  [28081] "C" "T" "A" "C" "A" "A" "T" "C" "A" "A" "T" "C" "G" "G" "G" "T" "G" "A" "C"
## [28099] "G" "C" "T" "T" "C" "A" "G" "T" "T" "G" "A" " " "C" "T" "T" "G" "T" "T"
          "G" "T" "G" "G" "T" "G" "G" "A" "C" "A" "T" "T" "A" "C" "A" "T" "C" "C"
## [28117]
## [28135] "G" "G" "T" "A" "A" "T" "G" "T" "T" "G" "A" "T" "C" "T" "A" "A" "C" "A"
## [28153] "A" "T" "C" "A" "T" "C" "G" "G" "T" "T" "T" "A" "G" "T" "C" "T" "A" "C"
## [28171] "A" "C" "T" "T" "G" "T" "A" "G" "T" "A" " " "T" "C" "G" "T" "A" "G" "T"
```

```
## [28189] "T" "A" "C" "T" "C" "A" "G" "A" "G" "T" "C" "A" "C" "T" "T" "A" "T" "G"
   [28207] "A" "C" "A" "C" "T" "T" "T" "A" "A" "G" "G" "T" "A" "G" "A" "T" "C" "A"
  [28225] "T" "A" "A" "C" "A" "A" "T" "A" "T" "C" "G" "C" "C" "G" "G" "A" "A" "A" "G"
## [28243] "A" "C" "A" "T" "T" "T" "T" "G" "T" " "G" "C" "G" "T" "G" "T" "C" "T"
## [28261] "T" "A" "A" "A" "A" "C" "T" "C" "G" "T" "C" "A" "A" "A" "G" "T" "T" "C"
## [28279] "T" "C" "A" "C" "G" "C" "C" "C" "T" "C" "T" "T" "T" "T" "A" "A" "C" "T"
## [28297] "A" "G" "C" "A" "T" "G" "T" "T" "G" "T" "G" "T" "C" "G" "T" "C" "G"
## [28315] "G" "A" "G" "A" "C" "T" "A" "C" " " "G" "T" "T" "T" "A" "C" "G" "T" "A"
  [28333] "T" "T" "T" "C" "T" "C" "T" "G" "A" "G" "T" "C" "A" "T" "A" "A" "C"
  [28351] "T" "A" "A" "A" "G" "A" "C" "A" "A" "G" "T" "G" "G" "T" "T" "A" "T" "A"
  ## [28405] "A" "A" "T" "T" "T" "T" "A" "A" "G" "G" "T" "G" "T" "C" "C" "T" "A"
## [28423] "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "C" "A" "A" "A" "C" "T" "T" "A"
## [28441] "C" "G" "A" "A" "A" "T" "A" "T" "A" "G" "G" "T" "T" "T" "G" "G" "A"
## [28459] "A" "A" "G" "T" "G" "T" " "C" "A" "A" "G" "G" "T" "G" "T" "T" "T"
  [28477]
         "T" "C" "G" "T" "G" "A" "A" "C" "A" "C" "C" "T" "T" "C" "C" "G" "T" "C" "T"
## [28495] "T" "T" "T" "T" "C" "T" "A" "C" "G" "G" "T" "T" "T" "T" "A" "T" "T" "A"
## [28513] "C" "C" "G" "C" "T" "A" "G" "A" "G" "A" "G" "T" "A" "A" "T" "T" "C"
## [28531] "A" "A" "A" "T" "T" " " "T" "C" "A" "G" "T" "G" "G" "T" "T" "G" "T" "T"
## [28549] "A" "T" "A" "A" "C" "T" "A" "C" "A" "A" "C" "T" "G" "A" "A" "A" "A" "G" "A"
## [28567] "G" "A" "A" "A" "A" "A" "C" "C" "T" "C" "A" "T" "A" "A" "A" "G" "T" "T"
## [28585] "C" "T" "T" "C" "C" "A" "A" "C" "A" "G" "T" "A" "A" "T" "T" "C" "T" "G"
## [28603] "G" "A" "A" "G" " " "C" "C" "T" "T" "G" "G" "A" "A" "G" "A" "G" "G" "T"
## [28621] "T" "G" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "A" "C" "C" "A" "A" "T"
  [28639] "G" "T" "T" "G" "G" "A" "T" "A" "C" "A" "A" "T" "C" "G" "C" "G" "A" "T"
## [28657] "C" "G" "T" "G" "C" "A" "C" "C" "T" "T" "G" "G" "G" "T" "T" "A" "T" "C"
  [28675] "C" "G" "T" " "G" "T" "G" "A" "A" "C" "A" "A" "T" "A" "C" "C" "G" "T"
## [28693] "T" "G" "G" "T" "T" "G" "T" "A" "T" "T" "C" "T" "C" "T" "T" "G" "T" "G"
## [28711] "T" "G" "T" "C" "G" "G" "A" "G" "G" "T" "T" "T" "C" "C" "G" "T" "T" "A"
## [28729] "T" "C" "A" "C" "G" "C" "T" "G" "G" "T" "G" "G" "A" "A" "T" "G" "C"
  [28747] "T" "T" " "C" "T" "T" "A" "C" "C" "A" "A" "A" "A" "A" "G" "T" "T" "C" "G"
## [28765] "G" "T" "C" "T" "A" "A" "G" "T" "A" "A" "T" "A" "C" "C" "A" "T" "A" "A"
## [28783] "G" "C" "C" "G" "T" "T" "C" "T" "G" "A" "T" "A" "C" "G" "A" "G" "T" "C"
## [28801] "C" "A" "G" "G" "A" "T" "G" "A" "A" "G" "A" "C" "T" "T" "A" "A" "C" "A"
## [28819] "C" " " "T" "G" "T" "A" "C" "G" "A" "C" "C" "T" "G" "T" "T" "A" "T" "T"
## [28837] "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "G" "T" "C" "G" "T" "A" "A" "A"
## [28855] "A" "C" "C" "C" "C" "A" "T" "T" "C" "A" "T" "T" "G" "G" "T" "G" "T" "T"
## [28873] "C" "A" "T" "C" "A" "C" "C" "G" "T" "G" "G" "A" "A" "G" "A" "A" "A" "A" "T"
## [28891] " " "C" "A" "G" "T" "T" "T" "A" "A" "G" "A" "G" "T" "C" "A" "C" "G" "G"
## [28909] "T" "G" "T" "T" "T" "T" "A" "A" "G" "C" "G" "T" "T" "C" "A" "C" "C" "G"
## [28927] "A" "A" "A" "T" "T" "G" "T" "T" "T" "T" "A" "G" "C" "G" "G" "G" "G" "A"
## [28945] "G" "A" "C" "G" "G" "T" "A" "C" "T" "T" "C" "A" "A" "A" "A" "G" "T" "G" " "
## [28963] "G" "T" "G" "T" "A" "C" "T" "A" "G" "T" "G" "T" "G" "A" "A" "G" "T"
## [28981] "A" "C" "T" "C" "T" "C" "A" "A" "C" "T" "T" "T" "C" "C" "G" "T" "G" "T"
## [28999] "A" "A" "A" "C" "C" "A" "A" "C" "G" "T" "A" "A" "G" "T" "A" "A" "A" "C"
          "C" "A" "C" "T" "G" "C" "G" "T" "T" "G" "A" "C" "C" "T" "A" "T" " "C"
  [29017]
  [29035] "T" "G" "T" "C" "T" "A" "G" "C" "T" "T" "A" "A" "G" "A" "T" "G" "G" "G"
  [29053] "T" "A" "T" "T" "T" "C" "G" "G" "T" "A" "G" "T" "T" "C" "G" "A" "A" "A"
## [29071] "A" "A" "G" "A" "A" "A" "A" "G" "T" "T" "G" "G" "G" "A" "A" "C" "C" "A"
         [29089]
## [29107] "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "C" "T" "T" "T" "A" "T" "G"
## [29125] "T" "T" "T" "T" "A" "A" "A" "C" "C" "T" "G" "T" "A" "A" "G" "G" "G" "G"
## [29143] "T" "A" "A" "C" "T" "T" "C" "C" "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "A"
```

```
[29179] "G" "T" "T" "T" "T" "C" "C" "A" "C" "A" "G" "A" "C" "G" "T" "T" "A" "A"
  [29197] "G" "T" "A" "T" "C" "G" "A" "G" "A" "A" "A" "A" "G" "T" "C" "T" "T" "G"
  [29215] "C" "A" "A" "G" "G" "C" "A" "C" "A" "T" "G" "G" "T" "T" "C" "G" "T" "T"
## [29233] "A" "A" "A" "G" "T" "A" "C" "G" "A" "G" "T" "A" "C" " " "A" "A" "G" "T"
## [29251] "G" "C" "C" "G" "T" "C" "G" "T" "C" "A" "T" "A" "T" "G" "T" "G" "G" "G"
## [29269] "G" "A" "G" "A" "A" "T" "C" "A" "C" "A" "G" "T" "T" "A" "T" "T" "T" "C"
## [29287] "A" "G" "G" "T" "C" "A" "A" "C" "A" "A" "G" "C" "T" "G" "T" "T" "T"
  [29305] "C" "A" "C" "G" "T" "A" "C" "T" "T" "C" "G" "A" " " "A" "A" "T" "G" "G"
  [29323] "T" "C" "G" "T" "G" "C" "A" "C" "G" "A" "T" "C" "T" "T" "C" "C" "A" "G"
  [29341] "A" "A" "A" "T" "T" "A" "C" "G" "T" "G" "A" "G" "T" "T" "C" "T" "C" "C"
## [29359] "C" "A" "T" "C" "G" "G" "T" "A" "G" "T" "C" "C" "C" "G" "G" "T" "G" "T"
  [29377] "C" "T" "T" "C" "A" "A" "C" "A" "A" "T" "A" " " "G" "C" "T" "G" "T" "A"
## [29395] "T" "C" "G" "C" "T" "C" "A" "C" "A" "T" "A" "C" "G" "G" "G" "G" "A" "G"
## [29413] "G" "C" "A" "A" "T" "T" "C" "G" "A" "G" "T" "G" "C" "G" "T" "A" "C" "T"
## [29431] "C" "A" "A" "G" "T" "G" "C" "C" "A" "T" "T" "G" "T" "G" "T" "G" "T" "G"
  [29449]
          "A" "C" "G" "A" "T" "A" "C" "A" "A" "A" " " " "T" "C" "A" "C" "A" "A" "G"
## [29467] "G" "T" "C" "A" "A" "A" "G" "A" "A" "C" "T" "T" "T" "T" "A" "G" "A"
  [29485] "A" "G" "T" "A" "T" "T" "C" "C" "T" "A" "G" "T" "C" "A" "C" "G" "T"
## [29503] "T" "C" "G" "A" "G" "C" "A" "G" "C" "G" "G" "A" "T" "T" "C" "A" "G" "T"
## [29521] "T" "T" "A" "C" "T" "G" "A" "A" "A" " " " "T" "C" "T" "A" "G" "C" "C" "G"
## [29539] "C" "G" "G" "C" "A" "T" "T" "G" "A" "T" "A" "C" "C" "G" "G" "T" "G" "G"
## [29557] "T" "C" "G" "A" "G" "G" "A" "A" "A" "T" "A" "A" "T" "G" "G" "C" "A" "A"
## [29575] "G" "A" "A" "T" "G" "C" "T" "T" "C" "T" "T" "C" "T" "T" "G" "G" "A" "A"
## [29593] "C" "G" "C" "C" "A" "T" "T" "C" " " "G" "G" "T" "G" "A" "C" "C" "A" "T"
  [29611] "A" "A" "A" "G" "C" "G" "G" "G" "T" "G" "T" "A" "C" "T" "C" "C" "C" "T"
## [29629] "G" "T" "T" "C" "C" "T" "G" "T" "G" "T" "T" "C" "A" "C" "A" "G" "A"
  [29647] "G" "T" "G" "G" "T" "G" "A" "T" "G" "C" "T" "G" "G" "C" "A" "T" "G" "A"
## [29665] "C" "T" "T" "A" "C" "G" "G" " " "A" "A" "G" "C" "T" "C" "A" "A" "G" "A"
## [29683] "C" "G" "A" "T" "G" "G" "T" "C" "G" "A" "G" "T" "T" "G" "G" "T" "A" "T"
## [29701] "T" "G" "T" "A" "C" "T" "G" "G" "T" "A" "C" "T" "C" "C" "A" "C" "G" "T"
          "C" "A" "A" "G" "C" "T" "C" "G" "T" "A" "G" "G" "C" "T" "T" "G" "C" "A"
  [29719]
  [29737] "A" "A" "C" "T" "A" "C" " " "T" "T" "G" "T" "G" "T" "A" "T" "C" "C" "C"
## [29755] "G" "A" "C" "A" "A" "G" "T" "T" "C" "A" "A" "C" "T" "C" "C" "G" "T" "T"
## [29773] "T" "T" "G" "C" "G" "G" "A" "A" "A" "A" "A" "G" "T" "T" "G" "A" "A" "G"
## [29791] "A" "T" "G" "A" "T" "T" "C" "G" "G" "T" "G" "T" "T" "C" "A" "C" "G" "G"
## [29809] "T" "A" "G" "A" "A" " " "A" "T" "T" "C" "T" "A" "C" "A" "A" "C" "T" "G"
## [29827] "C" "A" "C" "G" "G" "A" "G" "A" "C" "T" "A" "T" "T" "C" "T" "G" "G" "A"
## [29845] "G" "G" "A" "G" "G" "T" "G" "C" "C" "T" "C" "A" "G" "A" "G" "G" "T" "T"
  [29863] "T" "C" "G" "G" "T" "G" "C" "A" "T" "G" "C" "T" "C" "G" "T" "G" "C" "A"
##
  [29881] "G" "C" "G" "C" " " "T" "T" "G" "G" "A" "C" "A" "T" "T" "T" "T" "G" "T"
## [29899] "C" "C" "G" "T" "T" "T" "G" "A" "C" "T" "C" "A" "A" "C" "C" "T" "G" "C"
## [29917] "A" "C" "A" "C" "A" "A" "A" "A" "G" "G" "C" "A" "A" "C" "T" "T" "T"
## [29935] "G" "G" "T" "C" "C" "C" "T" "G" "T" "T" "C" "C" "G" "A" "G" "A" "G" "G"
## [29953] "T" "A" "G" " "A" "A" "T" "G" "G" "A" "A" "A" "G" "C" "C" "A" "G" "T"
## [29971] "G" "T" "G" "G" "G" "C" "C" "T" "G" "T" "T" "T" "T" "T" "G" "G" "A" "T" "C"
   [29989] "T" "A" "C" "A" "C" "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "C" "G" "A"
  [30007] "C" "G" "T" "T" "G" "T" "G" "C" "C" "T" "G" "C" "T" "T" "T" "G" "C"
  [30025] "A" "T" " "T" "C" "G" "T" "C" "G" "G" "A" "C" "G" "T" "C" "T" "T" "C"
  [30043] "T" "A" "T" "C" "T" "G" "C" "T" "C" "A" "A" "T" "G" "A" "G" "C" "A" "C"
  [30061] "A" "G" "G" "A" "C" "A" "G" "T" "T" "G" "C" "T" "G" "T" "C" "A" "T" "T"
## [30097] "C" " " "G" "C" "A" "C" "T" "C" "A" "C" "G" "T" "G" "A" "T" "T" "C" "G"
## [30115] "T" "A" "C" "G" "T" "C" "G" "G" "C" "T" "C" "A" "C" "T" "G" "T" "C" "G"
```

## ## [1] "strainWuhan"

## strainWuhan

```
[1] "A" "T" "T" "A" "A" "A" "G" "G" "T" "T" "T" "A" "T" "A" "C" "C" "T" "T"
      ##
      [37] "C" "A" "A" "C" "T" "T" "T" "C" "G" "A" "T" "C" "T" "C" "T" "T" "G" "T"
##
      [55] "A" "G" "A" "T" "C" "T" "G" "T" "T" "C" "T" "C" "T" "A" "A" "A" " " " "C"
##
     [73] "G" "A" "A" "C" "T" "T" "T" "A" "A" "A" "A" "T" "C" "T" "G" "T" "G" "T"
##
      [91] "G" "G" "C" "T" "G" "T" "C" "A" "C" "T" "C" "G" "G" "C" "T" "G" "C" "A"
##
     ##
     ##
     [145] "A" "T" "T" "A" "C" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" "A" "G" "G"
##
     [163] "A" "C" "A" "C" "G" "A" "G" "T" "A" "A" "C" "T" "C" "G" "T" "C" "T" "A"
     [181] "T" "C" "T" "T" "C" "T" "G" "C" "A" "G" "G" "C" "T" "G" "C" "T" "T" "A"
##
     [199] "C" "G" "G" "T" "T" "T" "C" "G" "T" "C" "C" "G" "T" "G" "T" "G" " " "T" "T" "G"
     [217] "C" "A" "G" "C" "C" "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "C" "A"
##
     [235] "T" "C" "T" "A" "G" "G" "T" "T" "T" "C" "G" "T" "C" "C" "G" "G" "G" "G" "T"
##
     [253] "G" "T" "G" "A" "C" "C" "G" "A" "A" "A" "G" "G" "T" "A" "A" "A" "G" "A" "T"
##
     [271] "G" "G" "A" "G" "A" "G" "C" "C" "T" "T" "G" "T" "C" " " " "C" "C" "T" "G"
     [289] "G" "T" "T" "T" "C" "A" "A" "C" "G" "A" "G" "A" "A" "A" "A" "A" "C" "A" "C"
##
     [307] "A" "C" "G" "T" "C" "C" "A" "A" "C" "T" "C" "A" "G" "T" "T" "T" "G" "C"
##
     [325] "C" "T" "G" "T" "T" "T" "T" "A" "C" "A" "G" "G" "T" "T" "C" "G" "C" "G"
##
     [343] "A" "C" "G" "T" "G" "C" "T" "C" "G" "T" "A" "C" " " "G" "T" "G" "G" "C"
##
     [361] "T" "T" "T" "G" "G" "A" "G" "A" "C" "T" "C" "C" "G" "T" "G" "G" "A" "G"
##
##
     [379] "G" "A" "G" "G" "T" "C" "T" "T" "A" "T" "C" "A" "G" "A" "G" "G" "G" "C" "A"
     [397] "C" "G" "T" "C" "A" "A" "C" "A" "T" "C" "T" "T" "A" "A" "A" "A" "G" "A" "T"
##
     [415] "G" "G" "C" "A" "C" "T" "T" "G" "T" "G" "G" " " " "C" "T" "T" "A" "G" "T"
##
     [433] "A" "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "G" "C" "G" "T"
##
     [451] "T" "T" "T" "G" "C" "C" "T" "C" "A" "A" "C" "T" "T" "G" "A" "A" "C" "A"
##
     [469] "G" "C" "C" "C" "T" "A" "T" "G" "T" "G" "T" "T" "C" "A" "T" "C" "A" "A"
##
     [487] "A" "C" "G" "T" "T" "C" "G" "G" "A" "T" " " "G" "C" "T" "C" "G" "A" "A"
##
     [505] "C" "T" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T" "C" "A" "T" "G"
##
     [523] "T" "T" "A" "T" "G" "G" "T" "T" "G" "A" "G" "C" "T" "G" "G" "T" "A" "G"
##
     [541] "C" "A" "G" "A" "A" "C" "T" "C" "G" "A" "A" "G" "G" "C" "A" "T" "T" "C"
##
     [559] "A" "G" "T" "A" "C" "G" "G" "T" "C" " " "G" "T" "A" "G" "T" "G" "G" "T"
##
     [577] "G" "A" "G" "A" "C" "A" "C" "T" "T" "G" "G" "T" "G" "T" "C" "C" "T" "T"
##
     [595] "G" "T" "C" "C" "C" "T" "C" "A" "T" "G" "T" "G" "G" "G" "C" "G" "A" "A"
##
     [613] "A" "T" "A" "C" "C" "A" "G" "T" "G" "G" "C" "T" "T" "A" "C" "C" "C" "G" "C"
##
     [631] "A" "A" "G" "G" "T" "T" "C" "T" " "T" "C" "T" "T" "C" "G" "T" "A" "A"
##
     [649] "G" "A" "A" "C" "G" "G" "T" "A" "A" "T" "A" "A" "A" "G" "G" "A" "G" "C"
##
     [667] "T" "G" "G" "T" "G" "G" "C" "C" "A" "T" "A" "G" "T" "T" "A" "C" "G" "G"
##
     [685] "C" "G" "C" "C" "G" "A" "T" "C" "T" "A" "A" "A" "G" "T" "C" "A" "T" "T"
##
```

```
[703] "T" "G" "A" "C" "T" "T" "A" " " "G" "G" "C" "G" "A" "C" "G" "A" "G" "C"
##
     [721] "T" "T" "G" "G" "C" "A" "C" "T" "G" "A" "T" "C" "C" "T" "T" "T" "A" "T" "G"
##
     [739] "A" "A" "G" "A" "T" "T" "T" "T" "C" "A" "A" "G" "A" "A" "A" "A" "A" "C" "T"
##
     [757] "G" "G" "A" "A" "C" "A" "C" "T" "A" "A" "A" "A" "C" "A" "T" "A" "G" "C" "A"
##
     [775] "G" "T" "G" "G" "T" "G" " " "T" "T" "A" "C" "C" "C" "G" "T" "G" "A" "A"
##
     [793] "C" "T" "C" "A" "T" "G" "C" "G" "T" "G" "A" "G" "C" "T" "T" "A" "A" "C"
##
     [811] "G" "G" "A" "G" "G" "G" "G" "C" "A" "T" "A" "C" "A" "C" "T" "C" "G" "C"
##
     [829] "T" "A" "T" "G" "T" "C" "G" "A" "T" "A" "A" "C" "A" "A" "C" "T" "T" "C"
##
     [847] "T" "G" "T" "G" "G" " " "C" "C" "C" "T" "G" "A" "T" "G" "G" "C" "T" "A"
##
     [865] "C" "C" "C" "T" "C" "T" "T" "G" "A" "G" "T" "G" "C" "A" "T" "T" "A" "A"
##
     [883] "A" "G" "A" "C" "C" "T" "T" "C" "T" "A" "G" "C" "A" "C" "G" "T" "G" "C"
     [901] "T" "G" "G" "T" "A" "A" "A" "G" "C" "T" "T" "C" "A" "T" "G" "C" "A" "C"
##
     [919] "T" "T" "T" "G" " " "T" "C" "C" "G" "A" "A" "C" "A" "A" "C" "A" "A" "C" "T" "G" "G"
##
     [937] "A" "C" "T" "T" "T" "A" "T" "T" "G" "A" "C" "A" "C" "T" "A" "A" "G" "A"
##
##
     [955] "G" "G" "G" "G" "T" "G" "T" "A" "T" "A" "C" "T" "G" "C" "T" "G" "C" "C"
     [973] "G" "T" "G" "A" "A" "C" "A" "T" "G" "A" "G" "C" "A" "T" "G" "A" "A" "A"
##
##
     [991] "T" "T" "G" " " "C" "T" "T" "G" "G" "T" "A" "C" "A" "C" "G" "G" "A" "A"
    [1009] "C" "G" "T" "T" "C" "T" "G" "A" "A" "A" "A" "G" "A" "G" "C" "T" "A" "T"
    [1027] "G" "A" "A" "T" "T" "G" "C" "A" "G" "A" "C" "A" "C" "C" "C" "T" "T" "T" "T"
    [1063] "A" "A" " " "A" "T" "T" "T" "G" "A" "C" "A" "C" "C" "T" "T" "C" "A" "A"
##
    [1081] "T" "G" "G" "G" "G" "A" "A" "T" "G" "T" "C" "C" "A" "A" "A" "T" "T" "T"
    [1099] "T" "G" "T" "A" "T" "T" "T" "C" "C" "C" "T" "T" "A" "A" "A" "A" "T" "T" "C"
##
    [1117] "C" "A" "T" "A" "A" "T" "C" "A" "A" "G" "A" "C" "T" "A" "T" "T" "C" "A"
    [1135] "A" " "C" "C" "A" "A" "G" "G" "G" "T" "T" "G" "A" "A" "A" "A" "A" "G" "A"
##
    [1153] "A" "A" "A" "A" "G" "C" "T" "T" "G" "A" "T" "G" "G" "C" "T" "T" "T" "A"
    [1171] "T" "G" "G" "G" "T" "A" "G" "A" "A" "T" "T" "C" "G" "A" "T" "C" "T" "G"
    [1189] "T" "C" "T" "A" "T" "C" "C" "A" "G" "T" "T" "G" "C" "G" "T" "C" "A" "C"
    [1207] " "C" "A" "A" "A" "T" "G" "A" "A" "T" "G" "C" "A" "A" "C" "C" "A" "A" "A"
##
    [1225] "A" "T" "G" "T" "G" "C" "C" "T" "T" "T" "C" "A" "A" "C" "T" "C" "T" "C"
    [1243] "A" "T" "G" "A" "A" "G" "T" "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "T"
##
    [1261] "G" "G" "T" "G" "A" "A" "A" "C" "T" "T" "C" "A" "T" "G" "G" "G" "C" "A" " "
##
    [1279] "G" "A" "C" "G" "G" "G" "C" "G" "A" "T" "T" "T" "T" "G" "T" "T" "A" "A"
##
    [1297] "A" "G" "C" "C" "A" "C" "T" "T" "G" "C" "G" "A" "A" "A" "T" "T" "T" "G"
    [1315] "T" "G" "G" "C" "A" "C" "T" "G" "A" "G" "A" "A" "T" "T" "T" "T" "G" "A" "C"
##
    [1333] "T" "A" "A" "A" "G" "A" "A" "G" "G" "T" "G" "C" "C" "A" "C" "T" " "A"
##
    [1351] "C" "T" "T" "G" "T" "G" "G" "T" "T" "A" "C" "T" "T" "A" "C" "C" "C" "C" "C"
##
##
    [1369] "A" "A" "A" "A" "T" "G" "C" "T" "G" "T" "G" "T" "G" "T" "T" "A" "A" "A" "A"
    [1387] "T" "T" "T" "A" "T" "T" "G" "T" "C" "C" "A" "G" "C" "A" "T" "G" "T" "C"
##
    [1405] "A" "C" "A" "A" "T" "T" "C" "A" "G" "A" "A" "G" "T" "A" "G" " " "G" "A"
##
    [1423] "C" "C" "T" "G" "A" "G" "C" "A" "T" "A" "G" "T" "C" "T" "T" "G" "C" "C"
    [1441] "G" "A" "A" "T" "A" "C" "C" "A" "T" "A" "A" "T" "G" "A" "A" "T" "C" "T"
    [1459] "G" "G" "C" "T" "T" "G" "A" "A" "A" "A" "C" "C" "A" "T" "T" "C" "T" "T"
##
    [1477] "C" "G" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T" "C" "G" " " "C" "A" "C"
    [1495] "T" "A" "T" "T" "G" "C" "C" "T" "T" "T" "G" "G" "A" "G" "G" "C" "T" "G"
    [1513] "T" "G" "T" "G" "T" "T" "C" "T" "C" "T" "T" "A" "T" "G" "T" "T" "G" "G"
##
    [1531] "T" "T" "G" "C" "C" "A" "T" "A" "A" "C" "A" "A" "G" "T" "G" "T" "G" "C"
##
    [1549] "C" "T" "A" "T" "T" "G" "G" "T" "T" "C" "C" "A" " " "C" "G" "T" "G"
##
    [1567] "C" "T" "A" "G" "C" "G" "C" "T" "A" "A" "C" "A" "T" "A" "G" "G" "T" "T"
    [1585] "G" "T" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "G" "T" "G" "T" "T" "G"
##
    [1603] "T" "T" "G" "G" "A" "G" "A" "A" "G" "G" "T" "T" "C" "C" "G" "A" "A" "G"
##
    [1621] "G" "T" "C" "T" "T" "A" "A" "T" "G" "A" "C" "A" " "A" "C" "C" "T" "T"
##
    [1639] "C" "T" "T" "G" "A" "A" "A" "T" "A" "C" "T" "C" "C" "A" "A" "A" "A" "A" "A"
##
    [1657] "G" "A" "G" "A" "A" "A" "G" "T" "C" "A" "A" "C" "A" "T" "C" "A" "T"
##
```

```
[1675] "A" "T" "T" "G" "T" "T" "G" "G" "T" "G" "A" "C" "T" "T" "T" "A" "A" "A"
   [1693] "C" "T" "T" "A" "A" "T" "G" "A" "A" "G" "A" " " " "G" "A" "T" "C" "G" "C"
##
   [1711] "C" "A" "T" "T" "A" "T" "T" "T" "T" "G" "G" "C" "A" "T" "C" "T" "T" "T"
##
   [1729] "T" "T" "C" "T" "G" "C" "T" "T" "C" "C" "A" "C" "A" "A" "G" "T" "G" "C"
   [1747] "T" "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "C" "T" "G" "T" "G" "A" "A" "A"
   ##
   [1783] "C" "A" "T" "T" "C" "A" "A" "A" "C" "A" "A" "A" "T" "T" "G"
   [1801] "A" "A" "T" "C" "C" "T" "G" "T" "G" "T" "A" "A" "T" "T" "T" "T" "A"
##
   [1837] "C" "T" "A" "A" "A" "A" "A" "G" " "G" "T" "G" "C" "C" "T" "G" "G"
##
   [1855] "A" "A" "T" "A" "T" "T" "G" "G" "T" "G" "A" "A" "C" "A" "G" "A" "A" "A" "A"
   [1873] "T" "C" "A" "A" "T" "A" "C" "T" "G" "A" "G" "T" "C" "C" "T" "C" "T" "T"
##
   [1891] "T" "A" "T" "G" "C" "A" "T" "T" "T" "G" "C" "A" "T" "C" "A" "G"
   [1909] "G" "C" "T" "G" "C" "T" "C" "G" " " "T" "G" "T" "T" "G" "T" "A" "C" "G"
##
   [1945] "T" "C" "T" "T" "G" "A" "A" "A" "C" "T" "G" "C" "T" "C" "A" "A" "A" "A" "A"
##
##
   Г1963]
         "T" "T" "C" "T" "G" "T" "G" "C" "G" "T" "G" "T" "T" "T" "T" "T" "A" "C" "A"
   [1981] "G" "A" "A" "G" "G" "C" "C" " " "G" "C" "T" "A" "T" "A" "A" "C" "A" "A"
##
   [1999] "T" "A" "C" "T" "A" "G" "A" "T" "G" "G" "A" "A" "A" "T" "T" "T" "C" "A" "C"
   [2017] "A" "G" "T" "A" "T" "T" "C" "A" "C" "T" "G" "A" "G" "A" "C" "T" "C" "A"
##
   [2035] "T" "T" "G" "A" "T" "G" "C" "T" "A" "T" "G" "A" "T" "G" "T" "T" "C" "A"
##
   [2053] "C" "A" "T" "C" "T" "G" " " "A" "T" "T" "T" "G" "G" "C" "T" "A" "C" "T"
##
   [2071] "A" "A" "C" "A" "A" "T" "C" "T" "A" "G" "T" "T" "G" "T" "A" "A" "T" "G"
##
   [2089] "G" "C" "C" "T" "A" "C" "A" "T" "T" "A" "C" "A" "G" "G" "T" "G" "G" "T"
   [2107] "G" "T" "T" "G" "T" "T" "C" "A" "G" "T" "T" "G" "A" "C" "T" "T" "C" "G"
##
   [2125] "C" "A" "G" "T" "G" " " "G" "C" "T" "A" "A" "C" "T" "A" "A" "C" "A" "T"
   [2143] "C" "T" "T" "T" "G" "G" "C" "A" "C" "T" "G" "T" "T" "T" "A" "T" "G" "A"
   [2161] "A" "A" "A" "A" "C" "T" "C" "A" "A" "A" "C" "C" "C" "G" "T" "C" "C" "T"
   ##
   [2197] "G" "T" "T" "T" " "A" "A" "G" "G" "A" "A" "G" "G" "T" "G" "T" "A" "G"
   [2215] "A" "G" "T" "T" "T" "C" "T" "T" "A" "G" "A" "G" "A" "C" "G" "G" "T" "T"
##
   [2233] "G" "G" "G" "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T" "T" "A"
##
   [2251] "T" "C" "T" "C" "A" "A" "C" "C" "T" "G" "T" "G" "C" "T" "T" "G" "T" "G"
##
   [2269] "A" "A" "A" " " "T" "T" "G" "T" "C" "G" "G" "T" "G" "G" "A" "A"
##
   [2287] "A" "T" "T" "G" "T" "C" "A" "C" "C" "T" "G" "T" "G" "C" "A" "A" "A" "A" "G"
##
   [2305] "G" "A" "A" "A" "T" "T" "A" "A" "G" "G" "A" "G" "A" "G" "T" "G" "T" "T"
##
   [2323] "C" "A" "G" "A" "C" "A" "T" "T" "C" "T" "T" "T" "A" "A" "G" "C" "T" "T"
##
##
   [2359] "T" "T" "T" "G" "T" "G" "T" "G" "C" "T" "G" "A" "C" "T" "C" "T" "A" "T"
##
   [2377] "C" "A" "T" "T" "A" "T" "T" "G" "G" "T" "G" "G" "A" "G" "C" "T" "A" "A"
##
   [2395] "A" "C" "T" "T" "A" "A" "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "T" "T"
   [2413] "A" " " "G" "G" "T" "G" "A" "A" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A"
##
   [2431] "C" "G" "C" "A" "C" "T" "C" "A" "A" "A" "G" "G" "G" "A" "T" "T" "G" "T"
   [2449] "A" "C" "A" "G" "A" "A" "A" "G" "T" "G" "T" "G" "T" "T" "A" "A" "A" "T"
##
   [2485] " " "T" "A" "C" "T" "C" "A" "T" "G" "C" "C" "T" "C" "T" "A" "A" "A" "A" "A"
##
   [2503] "G" "C" "C" "C" "C" "A" "A" "A" "A" "G" "A" "A" "A" "A" "T" "T" "A" "T" "C"
##
   ##
   [2539] "C" "T" "T" "C" "C" "C" "A" "C" "A" "G" "A" "A" "G" "T" "G" "T" "T" " "
   [2557] "A" "A" "C" "A" "G" "A" "G" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T"
##
         "G" "A" "A" "A" "A" "C" "T" "G" "G" "T" "G" "A" "T" "T" "T" "T" "A" "C" "A"
##
   [2575]
   [2593] "A" "C" "C" "A" "T" "T" "A" "G" "A" "A" "C" "A" "A" "C" "C" "T" "A" "C"
##
   [2611] "T" "A" "G" "T" "G" "A" "A" "G" "C" "T" "G" "T" "T" "G" "A" "A" "A" " " "G"
##
   [2629] "C" "T" "C" "C" "A" "T" "T" "G" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C"
##
```

```
[2647] "C" "A" "G" "T" "T" "T" "G" "T" "A" "T" "T" "A" "A" "C" "G" "G" "G" "C"
   [2665] "T" "T" "A" "T" "G" "T" "T" "G" "C" "T" "C" "G" "A" "A" "A" "A" "T" "C" "A"
##
   [2683] "A" "A" "G" "A" "C" "A" "C" "A" "G" "A" "A" "A" "A" "A" "G" "T" " " "A" "C"
##
   [2701] "T" "G" "T" "G" "C" "C" "T" "T" "G" "C" "A" "C" "C" "C" "T" "A" "A" "T"
##
   [2737] "A" "C" "C" "T" "T" "C" "A" "C" "A" "C" "T" "C" "A" "A" "A" "A" "G" "G" "C"
##
   [2773] "T" "A" "C" "T" "T" "T" "G" "G" "T" "G" "A" "T" "G" "A" "C"
##
   [2791] "T" "G" "T" "G" "A" "T" "A" "G" "A" "A" "G" "T" "G" "C" "A" "A" "G" "C"
##
   [2809] "T" "T" "A" "C" "A" "A" "G" "A" "G" "T" "G" "T" "G" "A" "A" "T" "A" "T"
##
   [2827] "C" "A" "C" "T" "T" "T" "T" "G" "A" "A" "C" "T" "T" "T" " "G" "A" "T" "G"
   [2845] "A" "A" "A" "G" "G" "A" "T" "T" "G" "A" "T" "A" "A" "A" "G" "T" "A" "C"
##
         "T" "T" "A" "A" "T" "G" "A" "G" "A" "G" "T" "G" "T" "C" "T" "C" "T" "G"
##
   [2863]
   [2881] "C" "C" "T" "A" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" "C" "T" "C" "G"
##
##
   [2899] "G" "T" "A" "C" "A" "G" "A" "A" "G" "T" "A" "A" "A" " "A" "A" "A" "A" "G"
   [2917] "T" "T" "C" "G" "C" "C" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "C" "A"
##
##
   [2935] "G" "A" "T" "G" "C" "T" "G" "T" "C" "A" "T" "A" "A" "A" "A" "A" "A" "C" "T"
   [2953] "T" "T" "G" "C" "A" "A" "C" "C" "A" "G" "T" "A" "T" "C" "T" "G" "A" "A"
##
   [2971] "T" "T" "A" "C" "T" "T" "A" "C" "A" "C" "C" " " " "A" "C" "T" "G" "G" "G"
##
   [2989] "C" "A" "T" "T" "G" "A" "T" "T" "T" "A" "G" "A" "T" "G" "A" "G" "A" "G" "A" "G" "A" "G" "T" "G"
##
   [3007] "G" "A" "G" "T" "A" "T" "G" "G" "C" "T" "A" "C" "A" "T" "A" "C" "T" "A"
##
   [3025] "C" "T" "T" "A" "T" "T" "T" "G" "A" "T" "G" "A" "G" "T" "C" "T" "G" "G"
##
   [3043] "T" "G" "A" "G" "T" "T" "T" "A" "A" "A" " " "T" "T" "G" "G" "C" "T" "T"
##
   [3061] "C" "A" "C" "A" "T" "A" "T" "G" "T" "A" "T" "T" "G" "T" "T" "C" "T" "T"
##
   [3079] "T" "C" "T" "A" "C" "C" "T" "C" "C" "A" "G" "A" "T" "G" "A" "G" "A" "G" "G"
##
   ##
   [3133] "G" "A" "G" "C" "C" "A" "T" "C" "A" "A" "C" "T" "C" "A" "A" "T" "A" "T"
   [3151] "G" "A" "G" "T" "A" "T" "G" "G" "T" "A" "C" "T" "G" "A" "A" "G" "A" "T"
##
   [3169] "G" "A" "T" "T" "A" "C" "C" "A" "A" "G" "G" "T" "A" "A" "A" "A" "C" "C" "T"
   [3187] "T" "T" "G" "G" "A" "A" "T" "T" " " "T" "G" "G" "T" "G" "C" "C" "A" "C"
##
   [3205] "T" "T" "C" "T" "G" "C" "T" "G" "C" "T" "C" "T" "T" "C" "A" "A" "C" "C"
##
   [3223] "T" "G" "A" "A" "G" "A" "A" "G" "A" "G" "C" "A" "A" "G" "A" "A" "G" "A"
##
   [3241] "A" "G" "A" "T" "T" "G" "G" "T" "T" "A" "G" "A" "T" "G" "A" "T" "G" "A"
##
   [3259] "T" "A" "G" "T" "C" "A" "A" " "C" "A" "A" "A" "C" "T" "G" "T" "T" "G"
##
   [3277] "G" "T" "C" "A" "A" "C" "A" "A" "G" "A" "C" "G" "G" "C" "A" "G" "T" "G"
##
   [3295] "A" "G" "G" "A" "C" "A" "A" "T" "C" "A" "G" "A" "C" "A" "A" "C" "T" "A"
##
##
   [3313] "C" "T" "A" "T" "T" "C" "A" "A" "A" "C" "A" "A" "T" "T" "T" "G"
   [3331] "A" "G" "G" "T" "T" "C" " " "A" "A" "C" "C" "T" "C" "A" "A" "T" "T" "A"
##
   [3349] "G" "A" "G" "A" "T" "G" "G" "A" "A" "C" "T" "T" "A" "C" "A" "C" "C" "A"
##
   [3367] "G" "T" "T" "G" "T" "T" "C" "A" "G" "A" "C" "T" "A" "T" "T" "G" "A" "A"
   [3385] "G" "T" "G" "A" "A" "T" "A" "G" "T" "T" "T" "T" "A" "G" "T" "G" "G" "T"
##
   [3421] "C" "A" "A" "T" "G" "T" "A" "T" "A" "C" "A" "T" "T" "A" "A" "A" "A" "A" "A"
##
   [3439] "T" "G" "C" "A" "G" "A" "C" "A" "T" "T" "G" "T" "G" "G" "A" "A" "A" "G" "A"
   [3457] "A" "G" "C" "T" "A" "A" "A" "A" "A" "G" "G" "T" "A" "A" "A" "A" "C" "C"
##
   ##
   [3493] "C" "A" "G" "C" "C" "A" "A" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "A"
##
   [3511] "A" "A" "C" "A" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "G" "T" "T" "G"
   [3529] "C" "A" "G" "G" "A" "G" "C" "C" "T" "T" "A" "A" "A" "T" "A" "A" "A" "G" "G"
##
         "C" "T" "A" " " "C" "T" "A" "A" "C" "A" "A" "T" "G" "C" "C" "A" "T" "G"
##
   [3547]
   [3565] "C" "A" "A" "G" "T" "T" "G" "A" "A" "T" "C" "T" "G" "A" "T" "G" "A" "T"
##
   [3583] "T" "A" "C" "A" "T" "A" "G" "C" "T" "A" "C" "T" "A" "A" "A" "T" "G" "G" "A"
##
   [3601] "C" "C" "A" "C" "T" "T" "A" "A" "A" "G" "T" "G" "G" "G" "T" "G" "G" "T"
##
```

```
[3637] "A" "C" "A" "C" "A" "A" "T" "C" "T" "T" "G" "C" "T" "A" "A" "A" "A" "A" "C" "A"
##
   [3655] "C" "T" "G" "T" "C" "T" "T" "C" "A" "T" "G" "T" "T" "G" "T" "C" "G" "G"
##
   [3673] "C" "C" "C" "A" "A" "A" "T" "G" "T" "T" "A" "A" "C" "A" "A" "A" "G" "G"
   [3691] "T" " "G" "A" "A" "G" "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "T" "C"
   [3709] "T" "T" "A" "A" "G" "A" "G" "T" "G" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A"
##
   [3727] "A" "T" "T" "T" "T" "A" "A" "T" "C" "A" "G" "C" "A" "C" "G" "A" "A" "A" "G"
   [3745] "T" "T" "C" "T" "A" "C" "T" "T" "G" "C" "A" "C" "C" "A" "T" "T" "A" "T"
##
   [3763] " " "T" "A" "T" "C" "A" "G" "C" "T" "G" "G" "T" "A" "T" "T" "T" "T" "T"
   [3781] "G" "G" "T" "G" "C" "T" "G" "A" "C" "C" "C" "T" "A" "T" "A" "C" "A" "T"
##
   [3799] "T" "C" "T" "T" "T" "A" "A" "G" "A" "G" "T" "T" "T" "T" "G" "T" "G" "T" "A"
   ##
   [3835] "T" "G" "T" "C" "T" "A" "C" "T" "A" "G" "C" "T" "G" "T" "G" "T" "C" "T" "T"
   [3853] "T" "G" "A" "T" "A" "A" "A" "A" "T" "C" "T" "C" "T" "A" "T" "G" "A"
##
##
   [3871] "C" "A" "A" "A" "C" "T" "T" "G" "T" "T" "T" "C" "A" "A" "G" "C" "T" "T"
   [3889] "T" "T" "T" "G" "G" "A" "A" "A" "T" "G" "A" "A" "G" "A" "G" "T" " "G"
##
##
   [3907] "A" "A" "A" "A" "G" "C" "A" "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "A" "A"
   [3925] "A" "G" "A" "T" "C" "G" "C" "T" "G" "A" "G" "A" "T" "T" "C" "C" "T" "A"
##
   [3943] "A" "A" "G" "A" "G" "G" "A" "A" "G" "T" "T" "A" "A" "G" "C" "C" "A" "T"
   ##
   [3979] "C" "C" "T" "T" "C" "A" "G" "T" "T" "G" "A" "A" "C" "A" "G" "A" "G" "A"
##
   [4015] "A" "T" "C" "A" "A" "A" "G" "C" "T" "T" "G" "T" "G" "T" "T" "G" "A" "A"
##
   [4051] "G" "G" "A" "A" "G" "A" "A" "C" "T" "A" "A" "G" "T" "T" "C" "C" "T"
##
   [4069] "C" "A" "C" "A" "G" "A" "A" "A" "A" "C" "T" "T" "G" "T" "T" "A" "C" "T"
   [4087] "T" "T" "A" "T" "A" "T" "G" "A" "C" "A" "T" "T" "A" "A" "T" "G" "G"
   [4105] "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "C" "A" "T" "C" "A" " " "G" "A" "T" "T"
   [4123] "C" "T" "G" "C" "C" "A" "C" "T" "C" "T" "T" "G" "T" "T" "A" "G" "T" "G"
##
   [4141] "A" "C" "A" "T" "T" "G" "A" "C" "A" "T" "C" "A" "C" "A" "C" "T"
   [4159] "T" "A" "A" "A" "G" "A" "A" "G" "A" "T" "G" "C" "T" "C" "C" "A" "T"
##
   [4177] "A" "T" "A" "T" "A" "G" "T" "G" "G" "G" "T" "G" " " " "A" "T" "G" "T" "T"
##
   [4195] "G" "T" "T" "C" "A" "A" "G" "A" "G" "G" "G" "T" "G" "T" "T" "T" "T" "A"
##
   [4213] "A" "C" "T" "G" "C" "T" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "C" "T"
##
   [4231] "A" "C" "T" "A" "A" "A" "A" "A" "G" "G" "C" "T" "G" "G" "T" "G" "G" "C"
##
   [4249] "A" "C" "T" "A" "C" "T" "G" "A" "A" "A" "T" " " "G" "C" "T" "A" "G" "C"
##
   [4267] "G" "A" "A" "A" "G" "C" "T" "T" "T" "G" "A" "G" "A" "A" "A" "A" "A" "G" "T"
##
##
   [4285] "G" "C" "C" "A" "A" "C" "A" "G" "A" "C" "A" "A" "T" "T" "A" "T" "A" "T"
   [4303] "A" "A" "C" "C" "A" "C" "T" "T" "A" "C" "C" "C" "G" "G" "G" "T" "C" "A"
##
   [4321] "G" "G" "G" "T" "T" "T" "A" "A" "A" "T" " "G" "G" "T" "T" "A" "C" "A"
##
   [4339] "C" "T" "G" "T" "A" "G" "A" "G" "A" "G" "G" "C" "A" "A" "A" "A" "A" "G" "A"
   [4357] "C" "A" "G" "T" "G" "C" "T" "T" "A" "A" "A" "A" "A" "G" "T" "G" "T" "A"
##
   [4375] "A" "A" "A" "G" "T" "G" "C" "C" "T" "T" "T" "T" "A" "C" "A" "T" "T" "C"
   [4393] "T" "A" "C" "C" "A" "T" "C" "T" "A" " "T" "T" "A" "T" "C" "T" "C" "T"
##
   [4411] "A" "A" "T" "G" "A" "G" "A" "A" "G" "C" "A" "A" "G" "A" "A" "A" "A" "A" "T" "T"
   [4429] "C" "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "T" "T" "C" "T" "T" "G" "G"
##
   [4447] "A" "A" "T" "T" "T" "G" "C" "G" "A" "G" "A" "A" "A" "T" "G" "C" "T" "T"
##
   ##
   [4483] "A" "C" "G" "C" "A" "A" "A" "T" "T" "A" "A" "T" "G" "C" "C" "T" "G" "T"
   [4501] "C" "T" "G" "T" "G" "T" "G" "G" "A" "A" "A" "C" "T" "A" "A" "A" "A" "G" "C"
##
   [4519] "C" "A" "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "A" "T" "A" "C" "A"
##
   [4537] "G" "C" "G" "T" "A" "A" "A" "A" "T" "A" "A" "G" "G" "G" "T" "A"
##
   [4555] "T" "T" "A" "A" "A" "A" "T" "A" "C" "A" "A" "G" "A" "G" "G" "G" "G" "T" "G"
##
   [4573] "T" "G" "G" "T" "T" "G" "A" "T" "T" "A" "T" "G" "G" "T" "G" "C" "T" "A"
##
```

```
[4591] "G" "A" "T" "T" "T" "T" "A" "C" "T" "T" "T" "T" "A" "C" "A" "C" "A"
    [4609] "G" "T" "A" "A" "A" "A" "A" " " "C" "A" "A" "C" "T" "G" "T" "A" "A" "G" "C" "G"
##
   ##
   ##
   [4663] "C" "T" "T" "G" "T" "T" "A" "C" "A" "A" "T" "G" "C" "C" "A" "C" "T" "T"
   [4681] "G" "G" "C" "T" "A" " "T" "G" "T" "A" "A" "C" "A" "C" "A" "T" "G" "G"
##
   [4699] "C" "T" "T" "A" "A" "A" "T" "T" "T" "G" "G" "A" "A" "G" "A" "A" "G" "C"
   [4717] "T" "G" "C" "T" "C" "G" "G" "T" "A" "T" "A" "T" "G" "A" "G" "A" "T" "C"
##
    [4735] "T" "C" "T" "C" "A" "A" "A" "G" "T" "G" "C" "C" "A" "G" "C" "T" "A" "C"
##
   [4753] "A" "G" "T" "T" " "T" "C" "T" "G" "T" "T" "T" "C" "T" "T" "C" "A" "C"
##
   [4771] "C" "T" "G" "A" "T" "G" "C" "T" "G" "T" "T" "A" "C" "A" "G" "C" "G" "T"
   [4789] "A" "T" "A" "A" "T" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A" "C" "T" "T"
##
   [4807] "C" "T" "T" "C" "T" "T" "C" "T" "A" "A" "A" "A" "C" "A" "C" "A" "C" "T" "G"
   [4825] "A" "A" "G" " "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "T" "T" "G" "A" "A"
##
   [4843] "A" "C" "C" "A" "T" "C" "T" "C" "A" "C" "T" "T" "G" "C" "T" "G" "G" "T"
   [4861] "T" "C" "C" "T" "A" "T" "A" "A" "A" "G" "A" "T" "T" "G" "G" "T" "C" "C"
##
##
   [4879] "T" "A" "T" "T" "C" "T" "G" "G" "A" "C" "A" "A" "T" "C" "T" "A" "C" "A"
   [4897] "C" "A" " "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "G" "A" "A" "T" "T"
   [4915] "T" "C" "T" "T" "A" "A" "G" "A" "G" "A" "G" "G" "T" "G" "A" "T" "A" "A"
##
   [4933] "A" "A" "G" "T" "G" "T" "A" "T" "A" "T" "A" "C" "A" "C" "A" "C" "T" "A" "G"
##
   [4951] "T" "A" "A" "T" "C" "C" "T" "A" "C" "C" "A" "C" "A" "T" "T" "C" "C" "A"
##
   [4969] "C" " "C" "T" "A" "G" "A" "T" "G" "G" "T" "G" "A" "A" "G" "T" "T" "A"
##
   [4987] "T" "C" "A" "C" "C" "T" "T" "T" "G" "A" "C" "A" "A" "T" "C" "T" "T" "A"
##
   ##
   [5023] "G" "A" "G" "A" "A" "G" "T" "G" "A" "G" "G" "A" "C" "T" "A" "T" "T" "A"
##
    [5041] " " "A" "G" "G" "T" "G" "T" "T" "T" "A" "C" "A" "A" "C" "A" "G" "T" "A"
   [5059] "G" "A" "C" "A" "A" "C" "A" "T" "T" "A" "A" "C" "C" "T" "C" "C" "A" "C"
##
   [5077] "A" "C" "G" "C" "A" "A" "G" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "G"
   [5095] "T" "C" "A" "A" "T" "G" "A" "C" "A" "T" "A" "T" "G" "G" "A" "C" "A" "
##
   [5113] "A" "C" "A" "G" "T" "T" "T" "G" "G" "T" "C" "C" "A" "A" "C" "T" "T" "A"
   [5131] "T" "T" "G" "G" "G" "A" "T" "G" "G" "A" "G" "C" "T" "G" "A" "T" "G" "A" "T"
##
    ##
   [5167] "T" "A" "A" "T" "T" "C" "A" "C" "A" "T" "G" "A" "A" "G" "G" "T" " " "A"
##
   [5185] "A" "A" "A" "C" "A" "T" "T" "T" "T" "A" "T" "G" "T" "T" "T" "T" "A" "C"
##
   [5203] "C" "T" "A" "A" "T" "G" "A" "T" "G" "A" "C" "A" "C" "T" "C" "T" "A" "C"
##
   [5221] "G" "T" "G" "T" "T" "G" "A" "G" "G" "C" "T" "T" "T" "T" "G" "A" "G" "T"
##
   [5239] "A" "C" "T" "A" "C" "A" "C" "A" "C" "A" "C" "A" "C" "T" "G" " " "A" "T"
##
##
   [5257] "C" "C" "T" "A" "G" "T" "T" "T" "T" "C" "T" "G" "G" "G" "T" "A" "G" "G"
   [5275] "T" "A" "C" "A" "T" "G" "T" "C" "A" "G" "C" "A" "T" "T" "A" "A" "A" "A" "T"
##
   [5293] "C" "A" "C" "A" "C" "T" "A" "A" "A" "A" "A" "G" "T" "G" "G" "A" "A" "A" "A"
##
   [5311] "T" "A" "C" "C" "C" "A" "C" "A" "A" "G" "T" "T" "A" "A" "A" " "T" "G" "G"
   [5329] "T" "T" "A" "A" "A" "C" "T" "T" "C" "T" "A" "T" "T" "A" "A" "A" "A" "T" "G"
##
   [5347] "G" "G" "C" "A" "G" "A" "T" "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A"
   [5365] "T" "C" "T" "T" "G" "C" "C" "A" "C" "T" "G" "C" "A" "T" "T" "G" "T" "T"
##
   [5383] "A" "A" "C" "A" "C" "T" "C" "C" "A" "A" "C" "A" "A" " " "A" "T" "A" "G"
   [5401] "A" "G" "T" "T" "G" "A" "A" "G" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C"
##
    [5419] "C" "T" "G" "C" "T" "C" "T" "A" "C" "A" "A" "G" "A" "T" "G" "C" "T" "T"
##
   ##
   [5455] "G" "T" "G" "A" "A" "G" "C" "T" "G" "C" "T" "A" " "A" "C" "T" "T"
   [5473] "T" "G" "T" "G" "C" "A" "C" "T" "T" "A" "T" "C" "T" "T" "A" "G" "C" "C"
##
   [5491] "T" "A" "C" "T" "G" "T" "A" "A" "T" "A" "A" "G" "A" "C" "A" "G" "A" "G" "T" "A"
##
   [5509] "G" "G" "T" "G" "A" "G" "T" "T" "A" "G" "G" "T" "G" "A" "T" "G" "T" "T"
##
    [5527] "A" "G" "A" "G" "A" "A" "A" "C" "A" "A" "T" " " "G" "A" "G" "T" "T" "A"
##
   [5545] "C" "T" "T" "G" "T" "T" "T" "C" "A" "A" "C" "A" "T" "G" "C" "C" "A" "A"
##
```

```
[5563] "T" "T" "T" "A" "G" "A" "T" "T" "C" "T" "T" "G" "C" "A" "A" "A" "A" "A" "G"
   [5581] "A" "G" "T" "C" "T" "T" "G" "A" "A" "C" "G" "T" "G" "G" "T" "G" "T" "G"
##
   [5599] "T" "A" "A" "A" "A" "C" "T" "T" "G" "T" " " "G" "G" "A" "C" "A" "A" "C"
##
   [5617] "A" "G" "C" "A" "G" "A" "C" "A" "A" "C" "C" "C" "T" "T" "A" "A" "G" "G"
##
   [5635] "G" "T" "G" "T" "A" "G" "A" "A" "G" "C" "T" "G" "T" "T" "A" "T" "G" "T"
##
   [5671] "A" "T" "G" "A" "A" "C" "A" "A" "T" " "T" "T" "A" "A" "A" "G" "A" "A" "A" "A"
   [5689] "G" "G" "T" "G" "T" "T" "C" "A" "G" "A" "T" "A" "C" "C" "T" "T" "G" "T"
##
   [5707] "A" "C" "G" "T" "G" "T" "G" "G" "T" "A" "A" "A" "C" "A" "A" "G" "C" "T"
##
   [5725] "A" "C" "A" "A" "A" "A" "T" "A" "T" "C" "T" "A" "G" "T" "A" "C" "A" "A" "A"
##
   [5743] "C" "A" "G" "G" "A" "G" "T" "C" " " "A" "C" "C" "T" "T" "T" "T" "T" "G" "T"
   ##
   [5779] "T" "G" "C" "T" "C" "A" "G" "T" "A" "T" "G" "A" "A" "A" "C" "T" "T" "A" "A"
   [5797] "G" "C" "A" "T" "G" "G" "T" "A" "C" "A" "T" "T" "T" "A" "C" "T" "T" "G"
##
##
   [5815] "T" "G" "C" "T" "A" "G" "T" " "G" "A" "G" "T" "A" "C" "A" "C" "T" "G"
   [5833] "G" "T" "A" "A" "T" "T" "A" "C" "C" "A" "G" "T" "G" "T" "G" "G" "T" "C"
##
##
   Γ5851]
         "A" "C" "T" "A" "T" "A" "A" "A" "C" "A" "T" "A" "T" "A" "A" "C" "T" "T"
   [5869] "C" "T" "A" "A" "A" "G" "A" "A" "A" "C" "T" "T" "T" "G" "T" "A" "T" "T"
##
   [5887] "G" "C" "A" "T" "A" "G" " " "A" "C" "G" "G" "T" "G" "C" "T" "T" "A"
##
   [5905] "C" "T" "T" "A" "C" "A" "A" "A" "G" "T" "C" "C" "T" "C" "A" "G" "A" "A" "A"
##
   [5923] "T" "A" "C" "A" "A" "A" "G" "G" "T" "C" "C" "T" "A" "T" "T" "A" "T" "A" "C" "G"
##
   [5941] "G" "A" "T" "G" "T" "T" "T" "T" "C" "T" "A" "C" "A" "A" "A" "A" "G" "A" "A"
   ##
   [5977] "C" "A" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "T" "A" "C" "T" "T" "A"
##
   [5995] "T" "A" "A" "A" "T" "T" "G" "G" "A" "T" "G" "G" "T" "G" "T" "T" "G" "T"
##
   [6013] "T" "T" "G" "T" "A" "C" "A" "G" "A" "A" "A" "T" "T" "G" "A" "C" "C" "C"
   [6031] "T" "A" "A" "G" " "T" "T" "G" "G" "A" "C" "A" "A" "T" "T" "A" "T" "T"
##
   [6049] "A" "T" "A" "A" "G" "A" "A" "G" "A" "C" "A" "A" "T" "T" "C" "T" "T"
   ##
   [6085] "T" "T" "G" "A" "T" "C" "T" "T" "G" "T" "A" "C" "C" "A" "A" "A" "A" "C" "C"
   [6103] "A" "A" "C" " "C" "A" "T" "A" "T" "C" "C" "A" "A" "A" "A" "C" "G" "C" "A"
##
         ##
   [6121]
   [6139] "T" "T" "T" "G" "T" "A" "T" "G" "T" "G" "A" "T" "A" "A" "T" "A" "T" "A" "T" "C"
##
   [6157] "A" "A" "A" "T" "T" "T" "G" "C" "T" "G" "A" "T" "G" "A" "T" "T" "T" "A"
##
   [6175] "A" "A" " " "C" "C" "A" "G" "T" "T" "A" "A" "C" "T" "G" "G" "T" "T" "A"
##
   [6193] "T" "A" "A" "G" "A" "A" "A" "C" "C" "T" "G" "C" "T" "T" "C" "A" "A" "G"
##
   [6211] "A" "G" "A" "G" "C" "T" "T" "A" "A" "A" "G" "T" "T" "A" "C" "A" "T" "T"
##
##
   [6229] "T" "T" "T" "C" "C" "C" "T" "G" "A" "C" "T" "T" "A" "A" "A" "A" "T" "G" "G"
   [6247] "T" " "G" "A" "T" "G" "T" "G" "G" "T" "G" "G" "C" "T" "A" "T" "T" "G"
##
   [6265] "A" "T" "T" "A" "T" "A" "A" "A" "C" "A" "C" "T" "A" "C" "A" "C" "A" "C"
##
   [6283] "C" "C" "T" "C" "T" "T" "T" "T" "A" "A" "G" "A" "A" "A" "G" "G" "G" "A" "G"
   [6301] "C" "T" "A" "A" "A" "T" "T" "G" "T" "T" "A" "C" "A" "T" "A" "A" "A" "A" "C"
##
   [6319] " " "C" "T" "A" "T" "T" "G" "T" "T" "G" "G" "G" "C" "A" "T" "G" "T" "T"
##
   [6337] "A" "A" "C" "A" "A" "T" "G" "C" "A" "A" "C" "T" "A" "A" "T" "A" "A" "A" "A"
   [6355] "G" "C" "C" "A" "C" "G" "T" "A" "T" "A" "A" "A" "C" "C" "A" "A" "A" "A" "T"
   [6373] "A" "C" "C" "T" "G" "G" "T" "G" "T" "A" "T" "A" "C" "G" "T" "T" "G" " "
##
         ##
   [6391]
   [6409] "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "T" "C" "A" "A" "A" "A" "T" "C"
##
   [6427] "G" "T" "T" "T" "G" "A" "T" "G" "T" "A" "C" "T" "G" "A" "A" "G" "T" "C"
   [6445] "A" "G" "A" "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "G" "A" " "A"
##
   [6463] "T" "G" "G" "A" "T" "A" "A" "T" "C" "T" "T" "G" "C" "C" "T" "G" "C" "G"
##
   [6481] "A" "A" "G" "A" "T" "C" "T" "A" "A" "A" "A" "C" "C" "A" "G" "T" "C" "T"
##
   [6499] "C" "T" "G" "A" "A" "G" "A" "A" "G" "T" "A" "G" "T" "G" "G" "A" "A" "A" "A"
##
   [6517] "A" "T" "C" "C" "T" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A" " " "A" "A" "A"
##
```

```
[6535] "G" "A" "C" "G" "T" "T" "C" "T" "T" "G" "A" "G" "T" "G" "T" "A" "A" "T"
    [6553] "G" "T" "G" "A" "A" "A" "A" "C" "T" "A" "C" "C" "C" "G" "A" "A" "A" "G" "T" "T"
##
    [6571] "G" "T" "A" "G" "G" "A" "G" "A" "C" "A" "T" "T" "A" "T" "A" "C" "T" "T"
##
    [6589] "A" "A" "A" "C" "C" "A" "G" "C" "A" "A" "A" "T" "A" "A" "A" "T" "A" "G"
##
   ##
   [6625] "G" "G" "T" "T" "G" "G" "C" "C" "A" "C" "A" "C" "A" "G" "A" "T" "C" "T"
    [6643] "A" "A" "T" "G" "G" "C" "T" "G" "C" "T" "T" "A" "T" "G" "T" "A" "G" "A"
   [6661] "C" "A" "A" "T" "T" "C" "T" "A" "G" "T" "C" "T" "T" " " "A" "C" "T" "A"
##
    [6679] "T" "T" "A" "A" "G" "A" "A" "A" "C" "C" "T" "A" "A" "T" "G" "A" "A" "T"
##
    [6697] "T" "A" "T" "C" "T" "A" "G" "A" "G" "T" "A" "T" "T" "A" "G" "G" "T" "T"
##
    [6715] "T" "G" "A" "A" "A" "A" "C" "C" "C" "T" "T" "G" "C" "T" "A" "C" "T" "C"
   [6733] "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "T" "G" " " "C" "T" "G" "T" "T"
##
    [6751] "A" "A" "T" "A" "G" "T" "G" "T" "C" "C" "C" "T" "T" "G" "G" "G" "A" "T"
   [6769] "A" "C" "T" "A" "T" "A" "G" "C" "T" "A" "A" "T" "T" "A" "T" "G" "C" "T"
##
##
   [6787] "A" "A" "G" "C" "C" "T" "T" "T" "T" "C" "T" "T" "A" "A" "A" "C" "A" "A" "A"
   [6805] "G" "T" "T" "G" "T" "T" "A" "G" "T" "A" "C" " " "A" "A" "C" "T" "A" "C"
##
##
    [6823]
         "T" "A" "A" "C" "A" "T" "A" "G" "T" "T" "A" "C" "A" "C" "G" "G" "G" "T" "G"
    [6841] "T" "T" "T" "A" "A" "A" "C" "C" "G" "T" "G" "T" "T" "T" "T" "G" "T" "A" "C"
##
   [6859] "T" "A" "A" "T" "T" "A" "T" "A" "T" "G" "C" "C" "T" "T" "A" "T" "T" "T"
##
   [6877] "C" "T" "T" "T" "A" "C" "T" "T" "A" " " "T" "T" "T" "G" "C" "T" "A" "C"
##
   [6895] "A" "A" "T" "T" "G" "T" "G" "T" "A" "C" "T" "T" "T" "T" "A" "C" "T" "A"
##
   [6913] "G" "A" "A" "G" "T" "A" "C" "A" "A" "A" "T" "T" "C" "T" "A" "G" "A" "A" "A"
   [6931] "T" "T" "A" "A" "A" "G" "C" "A" "T" "C" "T" "A" "T" "G" "C" "C" "G" "A"
##
    [6949] "C" "T" "A" "C" "T" "A" "T" "A" "G" " " "C" "A" "A" "A" "G" "A" "A" "A" "T"
##
   [6967] "A" "C" "T" "G" "T" "T" "A" "A" "G" "A" "G" "T" "G" "T" "C" "G" "T"
##
    [6985] "A" "A" "A" "T" "T" "T" "T" "G" "T" "C" "T" "A" "G" "A" "G" "G" "C" "T"
   [7039] "A" "C" "T" "G" "A" "T" "A" "A" "A" "T" "A" "T" "A" "T" "A" "T" "A" "T" "A" "T"
##
   [7057] "T" "T" "G" "G" "T" "T" "T" "T" "T" "A" "C" "T" "A" "T" "T" "A" "A" "G"
   [7075] "T" "G" "T" "T" "T" "G" "C" "C" "T" "A" "G" "G" "T" "T" "C" "T" "T" "T"
##
   [7093] "A" "A" "T" "C" "T" "A" "C" " "T" "C" "A" "A" "C" "C" "G" "C" "T" "G"
##
   [7111] "C" "T" "T" "T" "A" "G" "G" "T" "G" "T" "T" "T" "T" "A" "A" "T" "G" "T"
##
   [7129] "C" "T" "A" "A" "T" "T" "T" "A" "G" "G" "C" "A" "T" "G" "C" "C" "T" "T"
##
   [7147] "C" "T" "T" "A" "C" "T" "G" "T" "A" "C" "T" "G" "G" "T" "T" "A" "C" "A"
##
   [7165] "G" "A" "G" "A" "A" "G" " " "G" "C" "T" "A" "T" "T" "T" "G" "A" "A" "C"
##
   [7183] "T" "C" "T" "A" "C" "T" "A" "A" "T" "G" "T" "C" "A" "C" "T" "A" "T" "T"
##
##
   [7201] "G" "C" "A" "A" "C" "C" "T" "A" "C" "T" "G" "T" "A" "C" "T" "A" "C" "T"
   [7219] "T" "C" "T" "A" "T" "A" "C" "C" "T" "T" "G" "T" "A" "G" "T" "G" "T" "T"
##
   [7237] "T" "G" "T" "C" "T" " "T" "A" "G" "T" "G" "G" "T" "T" "T" "A" "G" "A"
##
    [7255] "T" "T" "C" "T" "T" "T" "A" "G" "A" "C" "A" "C" "C" "T" "A" "T" "C" "C"
   [7273] "T" "T" "C" "T" "T" "T" "A" "G" "A" "A" "A" "C" "T" "A" "T" "A" "C" "A"
##
   [7291] "A" "A" "T" "T" "A" "C" "C" "A" "T" "T" "T" "C" "A" "T" "C" "A" "T" "T" "T"
##
   [7309] "T" "A" "A" "A" "A" "T" "G" "G" "G" "A" "T" "T" "T" "A" "A" "C" "T" "G"
   [7327] "C" "T" "T" "T" "T" "G" "G" "C" "T" "T" "A" "G" "T" "T" "G" "C" "A" "G"
   ##
         "T" "T" "C" "T" "T" "T" "T" "C" "A" "C" "T" "A" "G" "G" "T" "T" "T" "T"
##
    [7363]
   [7381] "T" "C" "T" " "A" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "T" "T" "G"
##
   [7399] "G" "C" "T" "G" "C" "A" "A" "T" "C" "A" "T" "G" "C" "A" "A" "T" "T" "G"
   [7417] "T" "T" "T" "T" "T" "C" "A" "G" "C" "T" "A" "T" "T" "T" "T" "T" "G" "C" "A"
##
          "G" "T" "A" "C" "A" "T" "T" "T" "T" "A" "T" "A" "G" "T" "A" "A" "T"
##
   [7435]
   [7453] "T" "C" " "T" "T" "G" "G" "C" "T" "T" "A" "T" "G" "T" "G" "G" "T" "T"
##
    [7471] "A" "A" "T" "A" "A" "T" "T" "A" "A" "T" "C" "T" "T" "G" "T" "A" "C" "A"
##
   [7489] "A" "A" "T" "G" "G" "C" "C" "C" "C" "G" "A" "T" "T" "T" "C" "A" "G" "C"
##
```

```
[7507] "T" "A" "T" "G" "G" "T" "T" "A" "G" "A" "A" "T" "G" "T" "A" "C" "A" "T"
    [7525] "C" " " "T" "T" "C" "T" "T" "T" "G" "C" "A" "T" "C" "A" "T" "T" "T" "T"
##
    [7543] "A" "T" "T" "A" "T" "G" "T" "A" "T" "G" "G" "A" "A" "A" "A" "A" "G" "T" "T"
##
    [7561] "A" "T" "G" "T" "G" "C" "A" "T" "G" "T" "G" "T" "A" "G" "A" "C" "G"
##
    [7579] "G" "T" "T" "G" "T" "A" "A" "T" "T" "C" "A" "T" "C" "A" "A" "C" "T" "T"
    [7597] " " "G" "T" "A" "T" "G" "A" "T" "G" "T" "G" "T" "T" "A" "C" "A" "A" "A" "A"
##
    [7615] "C" "G" "T" "A" "A" "T" "A" "G" "A" "G" "C" "A" "A" "C" "A" "A" "G" "A"
    [7633] "G" "T" "C" "G" "A" "A" "T" "G" "T" "A" "C" "A" "A" "C" "T" "A" "T" "T"
##
    [7651] "G" "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "A" "G" "A" "A" "G" " "
    [7669] "G" "T" "C" "C" "T" "T" "T" "T" "A" "T" "G" "T" "C" "T" "A" "T" "G" "C"
##
    [7687] "T" "A" "A" "T" "G" "G" "A" "G" "G" "T" "A" "A" "A" "G" "G" "C" "T" "T"
    [7705] "T" "T" "G" "C" "A" "A" "A" "C" "T" "A" "C" "A" "C" "A" "A" "A" "T" "T" "G"
##
    [7723] "G" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "T" "T" "G" "T" " "G"
    [7741] "A" "T" "A" "C" "A" "T" "T" "C" "T" "G" "T" "G" "C" "T" "G" "G" "T" "A"
##
##
    [7759] "G" "T" "A" "C" "A" "T" "T" "T" "A" "T" "A" "G" "T" "G" "A" "T" "G"
    [7777] "A" "A" "G" "T" "T" "G" "C" "G" "A" "G" "A" "G" "A" "C" "T" "T" "G" "T"
##
##
    [7795] "C" "A" "C" "T" "A" "C" "A" "G" "T" "T" "T" "A" "A" "A" "A" "A" " "A" " "G" "A"
    [7813] "C" "C" "A" "A" "T" "A" "A" "T" "C" "C" "T" "A" "C" "T" "G" "A" "C"
    [7831] "C" "A" "G" "T" "C" "T" "T" "C" "T" "T" "A" "C" "A" "T" "C" "G" "T" "T"
##
    [7849] "G" "A" "T" "A" "G" "T" "G" "T" "T" "A" "C" "A" "G" "T" "G" "A" "A" "G"
##
    [7867] "A" "A" "T" "G" "G" "T" "T" "C" "C" "A" "T" "C" "C" "A" " " "T" "C" "T"
##
    [7885] "T" "T" "A" "C" "T" "T" "T" "G" "A" "T" "A" "A" "A" "G" "C" "T" "G" "G"
    [7903] "T" "C" "A" "A" "A" "A" "G" "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "G"
##
    [7921] "A" "C" "A" "T" "T" "C" "T" "C" "T" "C" "T" "C" "T" "C" "T" "C" "A" "T" "T" "T"
    [7939] "T" "G" "T" "T" "A" "A" "C" "T" "T" "A" "G" "A" "C" " " " "A" "A" "C" "C"
##
    [7957] "T" "G" "A" "G" "A" "G" "C" "T" "A" "A" "T" "A" "A" "C" "A" "C" "T" "A"
    [7975] "A" "A" "G" "G" "T" "T" "C" "A" "T" "T" "G" "C" "C" "T" "A" "T" "T" "A"
##
    [7993] "A" "T" "G" "T" "T" "A" "T" "A" "G" "T" "T" "T" "T" "T" "T" "G" "A" "T" "G"
    [8011] "G" "T" "A" "A" "A" "T" "C" "A" "A" "A" "A" "T" " "G" "T" "G" "A" "A"
##
    [8029] "G" "A" "A" "T" "C" "A" "T" "C" "T" "G" "C" "A" "A" "A" "A" "A" "T" "C" "A"
    [8047] "G" "C" "G" "T" "C" "T" "G" "T" "T" "T" "A" "C" "T" "A" "C" "A" "G" "T"
##
          "C" "A" "G" "C" "T" "T" "A" "T" "G" "T" "G" "T" "C" "A" "A" "C" "C" "T"
##
    [8065]
    [8083] "A" "T" "A" "C" "T" "G" "T" "T" "A" "C" "T" " "A" "G" "A" "T" "C" "A"
##
    [8101] "G" "G" "C" "A" "T" "T" "A" "G" "T" "G" "T" "C" "T" "G" "A" "T" "G" "T"
    [8119] "T" "G" "G" "T" "G" "A" "T" "A" "G" "T" "G" "C" "G" "G" "A" "A" "G" "T"
##
    [8137] "T" "G" "C" "A" "G" "T" "T" "A" "A" "A" "A" "T" "G" "T" "T" "T" "G" "A"
##
    [8155] "T" "G" "C" "T" "T" "A" "C" "G" "T" "T" " " "A" "A" "A" "T" "A" "C" "G" "T"
##
##
    [8173] "T" "T" "T" "C" "A" "T" "C" "A" "A" "C" "T" "T" "T" "T" "A" "A" "A" "C" "G"
    [8191] "T" "A" "C" "C" "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "A" "C" "T" "C" "A"
##
    [8209] "A" "A" "A" "C" "A" "C" "T" "A" "G" "T" "T" "G" "C" "A" "A" "C" "T" "G"
##
    [8227] "C" "A" "G" "A" "A" "G" "C" "T" "G" " " "A" "A" "C" "T" "T" "G" "C" "A"
    [8245] "A" "A" "G" "A" "A" "T" "G" "T" "C" "C" "C" "T" "T" "A" "G" "A" "C"
##
    [8263] "A" "A" "T" "G" "T" "C" "T" "T" "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "T" "T" "T"
##
    [8281] "A" "T" "T" "T" "C" "A" "G" "C" "A" "G" "C" "T" "C" "G" "G" "G" "C" "A" "A"
    [8299] "G" "G" "G" "T" "T" "T" "G" "T" " "T" "G" "A" "T" "T" "C" "A" "G" "A"
    [8317] "T" "G" "T" "A" "G" "A" "A" "A" "C" "T" "A" "A" "A" "G" "A" "T" "G" "T"
##
    [8335] "T" "G" "T" "T" "G" "A" "A" "T" "G" "T" "C" "T" "T" "A" "A" "A" "A" "T" "T"
##
    [8353] "G" "T" "C" "A" "C" "A" "T" "C" "A" "A" "T" "C" "T" "G" "A" "C" "A" "T"
##
    [8371] "A" "G" "A" "A" "G" "T" "T" " " "A" "C" "T" "G" "G" "C" "G" "A" "T" "A"
    [8389] "G" "T" "T" "G" "T" "A" "A" "T" "A" "A" "C" "T" "A" "T" "A" "T" "G" "C"
##
          "T" "C" "A" "C" "C" "T" "A" "T" "A" "A" "C" "A" "A" "A" "A" "G" "T" "T" "G"
##
    [8407]
    [8425] "A" "A" "A" "A" "C" "A" "T" "G" "A" "C" "A" "C" "C" "C" "C" "C" "G" "T" "G"
##
    [8443] "A" "C" "C" "T" "T" "G" " " "G" "T" "G" "C" "T" "T" "G" "T" "A" "T" "T"
##
    [8461] "G" "A" "C" "T" "G" "T" "A" "G" "T" "G" "C" "G" "C" "G" "T" "C" "A" "T"
##
```

```
[8479] "A" "T" "T" "A" "A" "T" "G" "C" "G" "C" "A" "G" "G" "T" "A" "G" "C" "A"
   [8497] "A" "A" "A" "A" "G" "T" "C" "A" "C" "A" "A" "C" "A" "T" "T" "G" "C" "T"
##
   [8515] "T" "T" "G" "A" "T" " " "A" "T" "G" "G" "A" "A" "C" "G" "T" "T" "A" "A"
##
   [8533] "A" "G" "A" "T" "T" "T" "C" "A" "T" "G" "T" "C" "A" "T" "T" "G" "T" "C"
##
   [8551] "T" "G" "A" "A" "C" "A" "A" "C" "T" "A" "C" "G" "A" "A" "A" "A" "A" "C" "A"
   [8569] "A" "A" "T" "A" "C" "G" "T" "A" "G" "T" "G" "C" "T" "G" "C" "T" "A" "A"
##
   [8587] "A" "A" "G" " " "A" "A" "T" "A" "A" "C" "T" "T" "A" "C" "T" "T"
   [8605] "T" "T" "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "G" "T" "G" "C" "A" "A"
##
   [8623] "C" "T" "A" "C" "T" "A" "G" "A" "C" "A" "A" "G" "T" "T" "G" "T" "T" "A"
##
   ##
   [8659] "T" "A" "G" " " "C" "A" "C" "T" "T" "A" "A" "G" "G" "G" "T" "G" "G" "T"
   [8677] "A" "A" "A" "A" "T" "T" "G" "T" "T" "A" "A" "T" "A" "A" "T" "T" "G" "G"
##
   [8713] "G" "T" "T" "A" "C" "A" "C" "T" "T" "G" "T" "G" "T" "T" "C" "C" "T" "T"
##
##
   [8731] "T" "T" " " "T" "G" "T" "T" "G" "C" "T" "G" "C" "T" "A" "T" "T" "T" "T"
   ##
##
   [8767] "T" "C" "A" "T" "G" "T" "C" "A" "T" "G" "T" "C" "T" "A" "A" "A" "A" "C" "A"
   [8785] "T" "A" "C" "T" "G" "A" "C" "T" "T" "T" "T" "C" "A" "A" "G" "T" "G" "A"
##
   [8803] "A" " " "A" "T" "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "A" "A" "G" "G"
##
   [8821] "C" "T" "A" "T" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G" "T" "C" "A"
##
   [8839] "C" "T" "C" "G" "T" "G" "A" "C" "A" "T" "A" "G" "C" "A" "T" "C" "A" "T" "A"
##
   [8857] "C" "A" "G" "A" "T" "A" "C" "T" "T" "G" "T" "T" "T" "T" "T" "G" "C" "T" "A"
##
   [8875] " " "A" "C" "A" "A" "A" "C" "A" "T" "G" "C" "T" "G" "A" "T" "T" "T" "T"
##
   [8893] "G" "A" "C" "A" "C" "A" "T" "G" "G" "T" "T" "T" "A" "G" "C" "C" "A" "G"
##
   [8911] "C" "G" "T" "G" "G" "T" "G" "G" "T" "A" "G" "T" "A" "T" "A" "T" "A" "T" "A" "C" "T"
##
   [8929] "A" "A" "T" "G" "A" "C" "A" "A" "A" "G" "C" "T" "T" "G" "C" "C" "C" "C" "
   [8947] "A" "T" "T" "G" "A" "T" "T" "G" "C" "T" "G" "C" "A" "G" "T" "C" "A" "T"
##
   [8965] "A" "A" "C" "A" "A" "G" "A" "G" "A" "G" "T" "G" "G" "G" "G" "T" "T" "T"
   [8983] "T" "G" "T" "C" "G" "T" "G" "C" "C" "T" "G" "G" "T" "T" "T" "T" "G" "C" "C"
##
   [9001] "T" "G" "G" "C" "A" "C" "G" "A" "T" "A" "T" "A" "C" "G" "C" " " "A"
   [9019] "C" "A" "A" "C" "T" "A" "A" "T" "G" "G" "T" "G" "A" "C" "T" "T" "T" "T"
##
         "T" "G" "C" "A" "T" "T" "T" "C" "T" "A" "C" "C" "T" "A" "G" "A" "G"
##
   [9037]
   [9055] "T" "T" "T" "T" "T" "A" "G" "T" "G" "C" "A" "G" "T" "T" "G" "G" "T" "A"
##
   [9073] "A" "C" "A" "T" "C" "T" "G" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "A"
   [9091] "T" "C" "A" "A" "A" "A" "C" "T" "T" "A" "T" "A" "G" "A" "G" "T" "A" "C"
##
   [9109] "A" "C" "T" "G" "A" "C" "T" "T" "T" "G" "C" "A" "A" "C" "A" "T" "C" "A"
##
   ##
##
   [9163] "A" "G" "A" "T" "G" "C" "T" "T" "C" "T" "G" "G" "T" "A" "A" "G" "C" "C"
##
   [9181] "A" "G" "T" "A" "C" "C" "A" "T" "A" "T" "T" "G" "T" "T" "A" "T" "A" "T" "G" "A"
##
   [9199] "T" "A" "C" "C" "A" "A" "T" "G" "T" "A" "C" "T" "A" "G" "A" "A" "G" "G"
   [9217] "T" "T" "C" "T" "G" "T" "T" "G" "C" "T" "T" "A" "T" " " "G" "A" "A" "A"
##
   [9235] "G" "T" "T" "T" "A" "C" "G" "C" "C" "C" "T" "G" "A" "C" "A" "C" "A" "C"
##
   [9253] "G" "T" "T" "A" "T" "G" "T" "G" "C" "T" "C" "A" "T" "G" "G" "A" "T" "G"
   [9271] "G" "C" "T" "C" "T" "A" "T" "A" "T" "T" "C" "A" "A" "T" "T" "T" "C"
   [9289] "C" "T" "A" "A" "C" "A" "C" "C" "T" "A" "C" "C" " " "T" "T" "G" "A" "A"
##
         "G" "G" "T" "T" "C" "T" "G" "T" "A" "G" "A" "G" "T" "G" "G" "T" "A"
##
   [9307]
   [9325] "A" "C" "A" "A" "C" "T" "T" "T" "T" "G" "A" "T" "T" "C" "T" "G" "A" "G"
##
   [9361] "T" "G" "T" "G" "A" "A" "A" "G" "A" "T" "C" " "A" "G" "A" "A" "G" "C"
##
         "T" "G" "G" "T" "G" "T" "T" "T" "G" "T" "G" "T" "A" "T" "C" "T" "A" "C"
##
   [9379]
   [9397] "T" "A" "G" "T" "G" "G" "T" "A" "G" "A" "T" "G" "G" "G" "T" "A" "C" "T"
##
   [9415] "T" "A" "A" "C" "A" "A" "T" "G" "A" "T" "T" "A" "T" "T" "A" "C" "A" "G"
##
   [9433] "A" "T" "C" "T" "T" "T" "A" "C" "C" "A" " " "G" "G" "A" "G" "T" "T" "T"
##
```

```
[9451] "T" "C" "T" "G" "T" "G" "G" "T" "G" "T" "A" "G" "A" "T" "G" "C" "T" "G"
   ##
   [9487] "T" "G" "T" "T" "T" "A" "C" "A" "C" "C" "A" "C" "T" "A" "A" "A" "T" "T" "C"
##
   [9505] "A" "A" "C" "C" "T" "A" "T" "T" "G" " " "G" "T" "G" "C" "T" "T" "T" "G"
   [9523] "G" "A" "C" "A" "T" "A" "T" "C" "A" "G" "C" "A" "T" "C" "T" "A" "T" "A"
   [9541] "G" "T" "A" "G" "C" "T" "G" "G" "T" "G" "G" "T" "A" "T" "T" "G" "T" "A"
##
   [9559] "G" "C" "T" "A" "T" "C" "G" "T" "A" "G" "T" "A" "A" "C" "A" "T" "G" "C"
   [9577] "C" "T" "T" "G" "C" "C" "T" "A" " " "C" "T" "A" "T" "T" "T" "T" "A" "T"
##
   [9595] "G" "A" "G" "G" "T" "T" "T" "A" "G" "A" "A" "G" "A" "G" "C" "T" "T" "T"
         "T" "G" "G" "T" "G" "A" "A" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T"
##
   [9613]
   [9631] "A" "G" "T" "T" "G" "C" "C" "T" "T" "T" "A" "A" "T" "A" "C" "T" "T" "T"
   [9649] "A" "C" "T" "A" "T" "T" "C" " " "C" "T" "T" "A" "T" "G" "T" "C" "A" "T"
   [9667] "T" "C" "A" "C" "T" "G" "T" "A" "C" "T" "C" "T" "G" "T" "T" "T" "A" "A"
   [9685] "C" "A" "C" "C" "A" "G" "T" "T" "T" "A" "C" "T" "C" "A" "T" "T" "C" "T"
##
   [9703] "T" "A" "C" "C" "T" "G" "G" "T" "G" "T" "T" "T" "A" "T" "T" "C" "T" "G"
   [9721] "T" "T" "A" "T" "T" "T" "T" "A" "C" "T" "T" "G" "T" "A" "C" "T" "T" "G"
##
##
   [9739] "A" "C" "A" "T" "T" "T" "T" "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A" "A" "T"
   [9775] "C" "A" "T" "A" "T" "T" "C" "A" "G" "T" "G" "G" "A" "T" "G" "G" "T" "T"
   [9793] "A" "T" "G" "T" "T" " " "C" "A" "C" "A" "C" "C" "T" "T" "T" "A" "G" "T"
##
   [9811] "A" "C" "C" "T" "T" "T" "C" "T" "G" "G" "A" "T" "A" "A" "A" "A" "T"
##
   [9829] "T" "G" "C" "T" "T" "A" "T" "A" "T" "C" "A" "T" "T" "T" "T" "G" "T" "A" "T"
   [9847] "T" "T" "C" "C" "A" "C" "A" "A" "A" "G" "C" "A" "T" "T" "T" "C" "T" "A"
##
   [9865] "T" "T" "G" "G" " " "T" "T" "C" "T" "T" "T" "A" "G" "T" "A" "A" "A" "T" "T"
   [9883] "A" "C" "C" "T" "A" "A" "A" "G" "A" "G" "A" "C" "G" "T" "G" "T" "A" "G"
##
   [9901] "T" "C" "T" "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "T" "C" "C" "T"
   [9919] "T" "T" "A" "G" "T" "A" "C" "T" "T" "T" "T" "G" "A" "A" "G" "A" "A" "G"
   [9937] "C" "T" "G" " "C" "G" "C" "T" "G" "T" "G" "C" "A" "C" "C" "T" "T" "T"
   ##
   [9973] "T" "A" "T" "C" "T" "A" "A" "A" "G" "T" "T" "G" "C" "G" "T" "A" "G" "T"
   [9991] "G" "A" "T" "G" "T" "G" "C" "T" "A" "T" "A" "C" "C" "C" "T" "C" "T" "T"
##
  [10045] "G" "T" "A" "C" "A" "A" "G" "T" "A" "T" "T" "T" "T" "A" "G" "T" "G" "G"
  [10063] "A" "G" "C" "A" "A" "T" "G" "G" "A" "T" "A" "C" "A" "A" "C" "T" "A" "G"
  [10081] "C" " "T" "A" "C" "A" "G" "A" "G" "A" "G" "C" "T" "G" "C" "T" "T"
## [10099] "G" "T" "T" "G" "T" "C" "A" "T" "C" "T" "C" "G" "C" "A" "A" "A" "G" "G"
## [10117] "C" "T" "C" "T" "C" "A" "A" "T" "G" "A" "C" "T" "T" "C" "A" "G" "T" "A"
## [10135] "A" "C" "T" "C" "A" "G" "G" "T" "T" "C" "T" "G" "A" "T" "G" "T" "T" "C"
  ##
  [10171] "A" "C" "C" "T" "C" "T" "A" "T" "C" "A" "C" "C" "T" "C" "A" "G" "C" "T"
## [10189] "G" "T" "T" "T" "T" "G" "C" "A" "G" "A" "G" "T" "G" "G" "T" "T" "T" "T" "T"
  [10207] "A" "G" "A" "A" "A" "A" "A" "T" "G" "G" "C" "A" "T" "T" "C" "C" "C" "
## [10225] "A" "T" "C" "T" "G" "G" "T" "A" "A" "G" "T" "T" "G" "A" "G" "G" "G"
## [10243] "T" "T" "G" "T" "A" "T" "G" "G" "T" "A" "C" "A" "A" "G" "T" "A" "A" "C"
## [10261] "T" "T" "G" "T" "G" "G" "T" "A" "C" "A" "A" "C" "T" "A" "C" "A" "C" "T"
  [10279] "T" "A" "A" "C" "G" "G" "T" "C" "T" "T" "T" "G" "G" "C" "T" "T" " "G"
  [10297] "A" "T" "G" "A" "C" "G" "T" "A" "G" "T" "T" "T" "A" "C" "T" "G" "T" "C"
  [10315] "C" "A" "A" "G" "A" "C" "A" "T" "G" "T" "G" "A" "T" "C" "T" "G" "C" "A"
## [10333] "C" "C" "T" "C" "T" "G" "A" "A" "G" "A" "C" "A" "T" "G" "C" "T" "T" "A"
  [10351] "A" "C" "C" "C" "T" "A" "A" "T" "T" "A" "T" "G" "A" "A" "G" " " "A" "T"
## [10369] "T" "T" "A" "C" "T" "C" "A" "T" "T" "C" "G" "T" "A" "A" "G" "T" "C" "T"
## [10387] "A" "A" "T" "C" "A" "T" "A" "A" "T" "T" "T" "C" "T" "T" "G" "G" "T" "A"
## [10405] "C" "A" "G" "G" "C" "T" "G" "G" "T" "A" "A" "T" "G" "T" "T" "C" "A" "A"
```

```
## [10423] "C" "T" "C" "A" "G" "G" "G" "T" "T" "A" "T" "T" "G" "G" " " "A" "C" "A"
  [10441] "T" "T" "C" "T" "A" "T" "G" "C" "A" "A" "A" "A" "T" "T" "G" "T" "G" "T"
## [10459] "A" "C" "T" "T" "A" "A" "G" "C" "T" "T" "A" "A" "G" "G" "T" "T" "G" "A"
## [10477] "T" "A" "C" "A" "G" "C" "C" "A" "A" "T" "C" "C" "T" "A" "A" "G" "A" "C"
## [10495] "A" "C" "C" "T" "A" "A" "G" "T" "A" "T" "A" "A" "G" " " "T" "T" "T" "G"
## [10513] "T" "T" "C" "G" "C" "A" "T" "T" "C" "A" "A" "C" "C" "A" "G" "G" "A" "C"
## [10531] "A" "G" "A" "C" "T" "T" "T" "T" "C" "A" "G" "T" "G" "T" "T" "A" "G"
## [10549] "C" "T" "T" "G" "T" "T" "A" "C" "A" "A" "T" "G" "G" "T" "T" "C" "A" "C"
  [10567] "C" "A" "T" "C" "T" "G" "G" "T" "G" "T" "T" "T" "T" " "A" "A" "C" "C" "A" "A"
  [10585] "T" "G" "T" "G" "C" "T" "A" "T" "G" "A" "G" "G" "C" "C" "C" "A" "A" "T"
  [10603] "T" "T" "C" "A" "C" "T" "A" "T" "T" "A" "A" "G" "G" "G" "T" "T" "C" "A"
## [10621] "T" "T" "C" "C" "T" "T" "A" "A" "T" "G" "G" "T" "T" "C" "A" "T" "G" "T"
  ## [10657] "C" "A" "T" "A" "G" "A" "T" "T" "A" "T" "G" "A" "C" "T" "G" "T" "G" "T"
## [10675] "C" "T" "C" "T" "T" "T" "T" "T" "T" "A" "C" "A" "T" "G" "C" "A"
## [10693] "C" "C" "A" "T" "A" "T" "G" "G" "A" "A" "T" "T" "A" "C" "C" "A" "A" "C"
  [10711] "T" "G" "G" "A" "G" "T" "T" "C" "A" "T" " "G" "C" "T" "G" "G" "C" "A"
  [10729] "C" "A" "G" "A" "C" "T" "T" "A" "G" "A" "A" "G" "G" "T" "A" "A" "C" "T"
  [10747] "T" "T" "T" "A" "T" "G" "G" "A" "C" "C" "T" "T" "T" "T" "G" "T" "T" "G"
## [10765] "A" "C" "A" "G" "G" "C" "A" "A" "A" "C" "A" "G" "C" "A" "C" "A" "G"
## [10783] "C" "A" "G" "C" "T" "G" "G" "T" "A" " " "C" "G" "G" "A" "C" "A" "C" "A"
## [10801] "A" "C" "T" "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "A" "T" "G" "T" "T"
## [10819] "T" "T" "A" "G" "C" "T" "T" "G" "G" "T" "T" "G" "T" "A" "C" "G" "C" "T"
## [10837] "G" "C" "T" "G" "T" "T" "A" "T" "A" "A" "A" "T" "G" "G" "A" "G" "A" "C"
  [10855] "A" "G" "G" "T" "G" "G" "T" "T" " "T" "C" "T" "C" "A" "A" "T" "C" "G"
  [10873] "A" "T" "T" "T" "A" "C" "C" "A" "C" "A" "A" "C" "T" "C" "T" "T" "A" "A" "A"
## [10891] "T" "G" "A" "C" "T" "T" "A" "A" "C" "C" "T" "T" "G" "G" "C"
  [10909] "T" "A" "T" "G" "A" "A" "G" "T" "A" "C" "A" "A" "T" "T" "A" "T" "G" "A"
## [10927] "A" "C" "C" "T" "C" "T" "A" " "A" "C" "A" "C" "A" "A" "G" "A" "C" "C"
## [10945] "A" "T" "G" "T" "T" "G" "A" "C" "A" "T" "A" "C" "T" "A" "G" "G" "A" "C"
## [10963] "C" "T" "C" "T" "T" "T" "C" "T" "G" "C" "T" "C" "A" "A" "A" "C" "T" "G"
          "G" "A" "A" "T" "T" "G" "C" "C" "G" "T" "T" "T" "T" "A" "G" "A" "T" "A"
  [10981]
  [10999] "T" "G" "T" "G" "T" "G" " " "C" "T" "T" "C" "A" "T" "T" "A" "A" "A" "A" "A"
## [11017] "G" "A" "A" "T" "T" "A" "C" "T" "G" "C" "A" "A" "A" "A" "A" "T" "G" "G" "T"
## [11035] "A" "T" "G" "A" "A" "T" "G" "G" "A" "C" "G" "T" "A" "C" "C" "A" "T" "A"
## [11053] "T" "T" "G" "G" "G" "T" "A" "G" "T" "G" "C" "T" "T" "T" "A" "T" "T" "A"
## [11071] "G" "A" "A" "G" "A" " "T" "G" "A" "A" "T" "T" "T" "A" "C" "A" "C" "C"
## [11089] "T" "T" "T" "T" "G" "A" "T" "G" "T" "T" "G" "T" "T" "A" "G" "A" "G" "A"
## [11107] "A" "T" "G" "C" "T" "C" "A" "G" "G" "T" "G" "T" "T" "A" "C" "T" "T" "T"
  [11125] "C" "C" "A" "A" "A" "G" "T" "G" "C" "A" "G" "T" "G" "A" "A" "A" "A" "A" "A" "A" "G"
##
  [11143] "A" "A" "C" "A" " "A" "T" "C" "A" "A" "G" "G" "G" "T" "A" "C" "A" "C"
## [11161] "A" "C" "C" "A" "C" "T" "G" "G" "T" "T" "G" "T" "T" "A" "C" "T" "C" "A"
## [11179] "C" "A" "A" "T" "T" "T" "T" "G" "A" "C" "T" "T" "C" "A" "C" "T" "T" "T"
## [11197] "T" "A" "G" "T" "T" "T" "T" "A" "G" "T" "C" "C" "A" "G" "A" "G" "T" "A"
## [11215] "C" "T" "C" " "A" "A" "T" "G" "G" "T" "C" "T" "T" "T" "G" "T" "T" "C"
## [11233] "T" "T" "T" "T" "T" "T" "T" "T" "G" "T" "A" "T" "G" "A" "A" "A" "A" "A" "T"
  [11251] "G" "C" "C" "T" "T" "T" "T" "T" "A" "C" "C" "T" "T" "T" "T" "T" "G" "C" "T"
  [11269] "A" "T" "G" "G" "G" "T" "A" "T" "T" "A" "T" "T" "G" "C" "T" "A" "T" "G"
  [11287] "T" "C" " " "T" "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "T" "G" "A" "T"
## [11305] "G" "T" "T" "T" "G" "T" "C" "A" "A" "A" "C" "A" "T" "A" "A" "G" "C" "A"
## [11341] "T" "T" "T" "G" "T" "T" "A" "C" "C" "T" "T" "C" "T" "C" "T" "T" "G" "C"
## [11359] "C" " " "A" "C" "T" "G" "T" "A" "G" "C" "T" "T" "A" "T" "T" "T" "T" "A"
## [11377] "A" "T" "A" "T" "G" "G" "T" "C" "T" "A" "T" "A" "T" "G" "C" "C" "T" "G"
```

```
## [11395] "C" "T" "A" "G" "T" "T" "G" "G" "G" "T" "G" "A" "T" "G" "C" "G" "T" "A"
  [11413] "T" "T" "A" "T" "G" "A" "C" "A" "T" "G" "G" "T" "T" "G" "G" "A" "T" "A"
  [11431] " " "T" "G" "G" "T" "T" "G" "A" "T" "A" "C" "T" "A" "G" "T" "T" "T" "T" "G"
## [11467] "G" "A" "C" "T" "G" "T" "G" "T" "A" "T" "G" "T" "A" "T" "G" "T" "A" "T" "G" "C" "A"
## [11485] "T" "C" "A" "G" "C" "T" "G" "T" "A" "G" "T" "G" "T" "T" "A" "C" "T" "
## [11503] "A" "A" "T" "C" "C" "T" "T" "A" "T" "G" "A" "C" "A" "G" "C" "A" "A" "G"
## [11521] "A" "A" "C" "T" "G" "T" "G" "T" "G" "T" "G" "A" "T" "G" "A" "T" "G" "G"
  [11539] "T" "G" "C" "T" "A" "G" "G" "A" "G" "A" "G" "T" "G" "T" "G" "T" "G" "A" "C"
  [11557] "A" "C" "T" "T" "A" "T" "G" "A" "A" "T" "G" "T" "C" "T" "T" "G" " " "A"
  [11575] "C" "A" "C" "T" "C" "G" "T" "T" "T" "A" "T" "A" "A" "A" "A" "G" "T" "T" "T"
## [11593] "A" "T" "T" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C" "T" "T" "T" "A" "G"
  [11611] "A" "T" "C" "A" "A" "G" "C" "C" "A" "T" "T" "T" "C" "C" "A" "T" "G" "T"
## [11629] "G" "G" "G" "C" "T" "C" "T" "T" "A" "T" "A" "A" "T" "C" "T" " "C" "T"
## [11665] "G" "G" "T" "G" "T" "A" "G" "T" "A" "C" "A" "A" "C" "T" "G" "T" "C"
  [11683] "A" "T" "G" "T" "T" "T" "T" "T" "G" "G" "C" "C" "A" "G" "A" "G" "G" "T"
  [11701] "A" "T" "T" "G" "T" "T" "T" "T" "T" "A" "T" "G" "T" "G" " " "T" "G" "T"
  [11719] "T" "G" "A" "G" "T" "A" "T" "T" "G" "C" "C" "C" "T" "A" "T" "T" "T" "T"
## [11737] "C" "T" "T" "C" "A" "T" "A" "A" "C" "T" "G" "G" "T" "A" "A" "T" "A" "C"
## [11755] "A" "C" "T" "T" "C" "A" "G" "T" "G" "T" "A" "T" "A" "A" "T" "G" "C" "T"
## [11773] "A" "G" "T" "T" "T" "A" "T" "T" "G" "T" "T" "T" "C" " " "T" "T" "A" "G"
## [11791] "G" "C" "T" "A" "T" "T" "T" "T" "T" "G" "T" "A" "C" "T" "T" "G" "T" "T"
## [11809] "A" "C" "T" "T" "T" "G" "G" "C" "C" "T" "C" "T" "T" "T" "T" "T" "G" "T" "T"
## [11827] "T" "A" "C" "T" "C" "A" "A" "C" "C" "G" "C" "T" "A" "C" "T" "T" "T" "A"
  [11845] "G" "A" "C" "T" "G" "A" "C" "T" "C" "T" "T" "G" " " "G" "T" "G" "T" "T"
## [11863] "T" "A" "T" "G" "A" "T" "T" "A" "C" "T" "A" "G" "T" "T" "T" "T" "C" "T"
## [11881] "A" "C" "A" "C" "A" "G" "G" "A" "G" "T" "T" "T" "A" "G" "A" "T" "A" "T"
## [11899] "A" "T" "G" "A" "A" "T" "T" "C" "A" "C" "A" "G" "G" "G" "A" "C" "T" "A"
## [11917] "C" "T" "C" "C" "C" "A" "C" "C" "A" "A" " " "G" "A" "A" "T" "A" "G"
## [11935] "C" "A" "T" "A" "G" "A" "T" "G" "C" "C" "T" "T" "C" "A" "A" "A" "C" "T"
  [11953] "C" "A" "A" "C" "A" "T" "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "G" "G" "G"
## [11971] "T" "G" "T" "T" "G" "G" "T" "G" "G" "C" "A" "A" "A" "C" "C" "T" "T" "G"
## [11989] "T" "A" "T" "C" "A" "A" "A" "G" "T" "A" " " "G" "C" "C" "A" "C" "T" "G"
## [12007] "T" "A" "C" "A" "G" "T" "C" "T" "A" "A" "A" "A" "T" "G" "T" "C" "A" "G"
## [12025] "A" "T" "G" "T" "A" "A" "A" "G" "T" "G" "C" "A" "C" "A" "T" "C" "A" "G"
## [12043] "T" "A" "G" "T" "C" "T" "T" "A" "C" "T" "C" "T" "C" "A" "G" "T" "T" "T"
## [12061] "T" "G" "C" "A" "A" "C" "A" "A" "C" " " " "T" "C" "A" "G" "A" "G" "T" "A"
## [12079] "G" "A" "A" "T" "C" "A" "T" "C" "A" "T" "C" "T" "A" "A" "A" "A" "T" "T" "G"
## [12097] "T" "G" "G" "G" "C" "T" "C" "A" "A" "T" "G" "T" "G" "T" "C" "C" "A" "G"
## [12115] "T" "T" "A" "C" "A" "C" "A" "T" "G" "A" "C" "A" "T" "C" "T" "C"
## [12133] "T" "T" "A" "G" "C" "T" "A" "A" "A" " "A" "G" "A" "T" "A" "C" "T" "A" "C"
## [12151] "T" "G" "A" "A" "G" "C" "C" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "A" "T"
## [12169] "G" "G" "T" "T" "T" "C" "A" "C" "T" "A" "C" "T" "T" "T" "C" "T" "G" "T"
## [12187] "T" "T" "G" "C" "T" "T" "C" "C" "A" "T" "G" "C" "A" "G" "G" "G"
## [12205] "T" "G" "C" "T" "G" "T" "A" " " "G" "A" "C" "A" "T" "A" "A" "A" "C" "A"
  [12223] "A" "G" "C" "T" "T" "T" "G" "T" "G" "A" "A" "G" "A" "A" "A" "A" "T" "G" "C"
## [12241] "T" "G" "G" "A" "C" "A" "A" "C" "A" "G" "G" "G" "C" "A" "A" "C" "C" "T"
## [12259] "T" "A" "C" "A" "A" "G" "C" "T" "A" "T" "A" "G" "C" "C" "T" "C" "A" "G"
## [12277] "A" "G" "T" "T" "A" " "G" "T" "T" "C" "C" "C" "T" "T" "C" "C" "A"
## [12295] "T" "C" "A" "T" "A" "T" "G" "C" "A" "G" "C" "T" "T" "T" "T" "T" "G" "C" "T"
## [12313] "A" "C" "T" "G" "C" "T" "C" "A" "A" "G" "A" "A" "G" "C" "T" "T" "A" "T"
## [12331] "G" "A" "G" "C" "A" "G" "G" "C" "T" "G" "T" "T" "G" "C" "T" "A" "A" "T"
## [12349] "G" "G" "T" "G" "A" " " "T" "T" "C" "T" "G" "A" "A" "G" "T" "T" "G" "T"
```

```
[12385] "G" "T" "C" "T" "T" "T" "G" "A" "A" "T" "G" "T" "G" "G" "C" "T" "A" "A"
## [12403] "A" "T" "C" "T" "G" "A" "A" "T" "T" "T" "G" "A" "C" "C" "G" "T" "G" "A"
## [12421] "T" "G" "C" "A" " " "G" "C" "C" "A" "T" "G" "C" "A" "A" "A" "C" "G" "T" "A"
## [12439] "A" "G" "T" "T" "G" "G" "A" "A" "A" "G" "A" "T" "G" "G" "C" "T" "G"
## [12457] "A" "T" "C" "A" "A" "G" "C" "T" "A" "T" "G" "A" "C" "C" "C" "A" "A" "A" "A"
## [12475] "T" "G" "T" "A" "T" "A" "A" "A" "C" "A" "G" "G" "C" "T" "A" "G" "A" "T"
## [12493] "C" "T" "G" " " "A" "G" "G" "A" "C" "A" "G" "A" "G" "G" "G" "C" "A"
  [12511] "A" "A" "A" "G" "T" "T" "A" "C" "T" "A" "G" "T" "G" "C" "T" "A" "T" "G"
## [12529] "C" "A" "G" "A" "C" "A" "A" "T" "G" "C" "T" "T" "T" "T" "T" "C" "A" "C" "T"
  [12547] "A" "T" "G" "C" "T" "T" "A" "G" "A" "A" "A" "G" "T" "T" "G" "G" "A" "T"
## [12565] "A" "A" " "T" "G" "A" "T" "G" "C" "A" "C" "T" "C" "A" "A" "C" "A" "A"
## [12583] "C" "A" "T" "T" "A" "T" "C" "A" "A" "A" "A" "T" "G" "C" "A" "A" "G"
## [12619] "G" "A" "A" "C" "A" "T" "A" "A" "T" "A" "C" "C" "T" "C" "T" "T" "A" "C"
## [12637] "A" " "A" "C" "A" "G" "C" "A" "G" "C" "A" "A" "A" "A" "A" "C" "T" "A" "A"
  [12655] "T" "G" "G" "T" "T" "G" "T" "C" "A" "T" "A" "C" "C" "A" "G" "A" "C" "T"
  [12691] "C" "G" "T" "G" "T" "G" "A" "T" "G" "G" "T" "A" "C" "A" "A" "C" "A" "T"
## [12709] " " "T" "T" "A" "C" "T" "T" "A" "T" "G" "C" "A" "T" "C" "A" "G" "C" "A"
## [12727] "T" "T" "G" "T" "G" "G" "G" "A" "A" "A" "T" "C" "C" "A" "A" "C" "A" "G"
## [12745] "G" "T" "T" "G" "T" "A" "G" "A" "T" "G" "C" "A" "G" "A" "T" "A" "G" "T"
## [12763] "A" "A" "A" "A" "T" "T" "G" "T" "T" "C" "A" "A" "C" "T" "T" "A" "G" " "
## [12781] "T" "G" "A" "A" "A" "T" "T" "A" "G" "T" "A" "T" "G" "G" "A" "C" "A" "A"
## [12799] "T" "T" "C" "A" "C" "C" "T" "A" "A" "T" "T" "T" "A" "G" "C" "A" "T" "G"
  [12817] "G" "C" "C" "T" "C" "T" "T" "A" "T" "T" "G" "T" "A" "A" "C" "A" "G" "C"
## [12835] "T" "T" "T" "A" "A" "G" "G" "C" "C" "A" "A" "T" "T" "C" "T" " " "G"
## [12853] "C" "T" "G" "T" "C" "A" "A" "A" "T" "T" "A" "C" "A" "G" "A" "A" "T" "A"
## [12871] "A" "T" "G" "A" "G" "C" "T" "T" "A" "G" "T" "C" "C" "T" "G" "T" "T" "G"
## [12889] "C" "A" "C" "T" "A" "C" "G" "A" "C" "A" "T" "G" "T" "C" "T" "T"
## [12907] "G" "T" "G" "C" "T" "G" "C" "C" "G" "G" "T" "A" "C" "T" "A" " " "C" "A"
  [12925] "C" "A" "A" "A" "C" "T" "G" "C" "T" "T" "G" "C" "A" "C" "T" "G" "A" "T"
## [12943] "G" "A" "C" "A" "A" "T" "G" "C" "G" "T" "T" "A" "G" "C" "T" "T" "A" "C"
## [12979] "G" "G" "T" "A" "G" "G" "T" "T" "T" "G" "T" "A" "C" "T" " "T" "G" "C"
## [12997] "A" "C" "T" "G" "T" "T" "A" "T" "C" "C" "G" "A" "T" "T" "T" "A" "C" "A"
## [13015] "G" "G" "A" "T" "T" "T" "G" "A" "A" "A" "T" "G" "G" "G" "C" "T" "A" "G"
## [13051] "A" "A" "C" "T" "G" "G" "T" "A" "C" "T" "A" "T" "C" " " "T" "A" "T" "A"
  [13069] "C" "A" "G" "A" "A" "C" "T" "G" "G" "A" "A" "C" "C" "A" "C" "C" "A" "T" "T"
##
## [13087] "G" "T" "A" "G" "G" "T" "T" "T" "G" "T" "T" "A" "C" "A" "G" "A" "C" "A"
## [13105] "C" "A" "C" "C" "T" "A" "A" "A" "G" "G" "T" "C" "C" "T" "A" "A" "A" "G"
  [13123] "T" "G" "A" "A" "G" "T" "A" "T" "T" "T" "A" "T" "A" "T" " "A" "C" "T" "T" "T"
## [13141] "A" "T" "T" "A" "A" "A" "G" "G" "A" "T" "T" "A" "A" "A" "C" "A" "A" "C"
## [13159] "C" "T" "A" "A" "A" "T" "A" "G" "A" "G" "G" "T" "A" "T" "G" "G" "T" "A"
## [13177] "C" "T" "T" "G" "G" "T" "A" "G" "T" "T" "A" "G" "C" "T" "G" "C" "C"
  [13195] "A" "C" "A" "G" "T" "A" "C" "G" "T" "C" "T" " "A" "C" "A" "A" "G" "C"
  [13213] "T" "G" "G" "T" "A" "A" "T" "G" "C" "A" "A" "C" "A" "G" "A" "A" "G" "T"
  [13231] "G" "C" "C" "T" "G" "C" "C" "A" "A" "T" "T" "C" "A" "A" "C" "T" "G" "T"
## [13249] "A" "T" "T" "A" "T" "C" "T" "T" "C" "T" "G" "T" "G" "C" "T" "T" "T"
         "T" "G" "C" "T" "G" "T" "A" "G" "A" "T" " " "G" "C" "T" "G" "C" "T" "A"
## [13267]
## [13285] "A" "A" "G" "C" "T" "T" "A" "C" "A" "A" "G" "A" "T" "T" "A" "T" "C"
## [13303] "T" "A" "G" "C" "T" "A" "G" "T" "G" "G" "G" "G" "G" "A" "C" "A" "A" "C"
## [13321] "C" "A" "A" "T" "C" "A" "C" "T" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A"
```

```
## [13339] "A" "G" "A" "T" "G" "T" "T" "G" "T" " " "G" "T" "A" "C" "A" "C" "A" "C" "A" "C"
  [13357] "A" "C" "T" "G" "G" "T" "A" "C" "T" "G" "G" "T" "C" "A" "G" "G" "G" "C" "A"
## [13375] "A" "T" "A" "A" "C" "A" "G" "T" "T" "A" "C" "A" "C" "C" "G" "G" "A" "A"
## [13393] "G" "C" "C" "A" "A" "T" "A" "T" "G" "G" "A" "T" "C" "A" "A" "G" "A" "A" "A"
## [13411] "T" "C" "C" "T" "T" "T" "G" "G" " " "T" "G" "G" "T" "G" "C" "A" "T" "C"
## [13429] "G" "T" "G" "T" "T" "G" "T" "C" "T" "G" "T" "A" "C" "T" "G" "C" "C" "G"
## [13447] "T" "T" "G" "C" "C" "A" "C" "A" "T" "A" "G" "A" "T" "C" "A" "T" "C" "C"
## [13465] "A" "A" "A" "T" "C" "C" "T" "A" "A" "A" "G" "G" "A" "T" "T" "T" "T" "G"
## [13483] "T" "G" "A" "C" "T" "T" "A" " " "A" "A" "A" "G" "G" "T" "A" "A" "G" "T"
## [13501] "A" "T" "G" "T" "A" "C" "A" "A" "T" "A" "C" "C" "T" "A" "C" "A" "A"
  [13519] "C" "T" "T" "G" "T" "G" "C" "T" "A" "A" "T" "G" "A" "C" "C" "C" "T" "G"
## [13537] "T" "G" "G" "G" "T" "T" "T" "T" "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "A"
## [13555] "A" "C" "A" "C" "A" "G" " " "T" "C" "T" "G" "T" "A" "C" "C" "G" "T" "C"
## [13573] "T" "G" "C" "G" "G" "T" "A" "T" "G" "T" "G" "G" "A" "A" "A" "G" "G" "T"
## [13591] "T" "A" "T" "G" "G" "C" "T" "G" "T" "A" "G" "T" "T" "G" "T" "G" "T" "G" "T"
## [13609] "C" "A" "A" "C" "T" "C" "C" "G" "C" "G" "A" "A" "C" "C" "C" "A" "T" "G"
  [13627] "C" "T" "T" "C" "A" " "G" "T" "C" "A" "G" "C" "T" "G" "C"
## [13645] "A" "C" "A" "A" "T" "C" "G" "T" "T" "T" "T" "T" "A" "A" "A" "C" "G" "G"
## [13663] "G" "T" "T" "G" "C" "G" "G" "T" "G" "T" "A" "A" "G" "T" "G" "C" "A"
## [13681] "G" "C" "C" "C" "G" "T" "C" "T" "T" "A" "C" "A" "C" "C" "G" "T" "G" "C"
## [13699] "G" "G" "C" "A" " " "C" "A" "G" "G" "C" "A" "C" "T" "A" "G" "T" "A" "C"
## [13717] "T" "G" "A" "T" "G" "T" "C" "G" "T" "A" "T" "A" "C" "A" "G" "G" "G" "C"
## [13735] "T" "T" "T" "T" "G" "A" "C" "A" "T" "C" "T" "A" "C" "A" "A" "T" "G" "A"
## [13753] "T" "A" "A" "A" "G" "T" "A" "G" "C" "T" "G" "G" "T" "T" "T" "T" "T" "G" "C"
## [13789] "A" "T" "T" "G" "T" "T" "G" "T" "C" "G" "C" "T" "T" "C" "C" "A" "A" "G"
## [13807] "A" "A" "A" "A" "G" "G" "A" "C" "G" "A" "A" "G" "A" "T" "G" "A" "C" "A"
## [13825] "A" "T" "T" "T" "A" "A" "T" "T" "G" "A" "T" "T" "C" "T" "T" "A" "C" "T"
## [13843] "T" "T" " "G" "T" "A" "G" "T" "A" "A" "G" "A" "G" "A" "C" "A" "C"
## [13861] "A" "C" "T" "T" "T" "C" "T" "C" "T" "A" "A" "C" "T" "A" "C" "C" "A" "A"
## [13879] "C" "A" "T" "G" "A" "A" "G" "A" "A" "A" "C" "A" "A" "T" "T" "T" "A" "T"
  [13897] "A" "A" "T" "T" "T" "A" "C" "T" "T" "A" "G" "G" "G" "A" "T" "T" "G" "T"
## [13915] "C" " "C" "A" "G" "C" "T" "G" "T" "T" "G" "C" "T" "A" "A" "A" "C" "A"
## [13933] "T" "G" "A" "C" "T" "T" "C" "T" "T" "A" "A" "A" "G" "T" "T" "T" "A" "G"
## [13951] "A" "A" "T" "A" "G" "A" "C" "G" "G" "T" "G" "A" "C" "A" "T" "G" "G" "T"
## [13969] "A" "C" "C" "A" "C" "A" "T" "A" "T" "C" "A" "C" "G" "T" "C" "A"
## [13987] " " "A" "C" "G" "T" "C" "T" "T" "A" "C" "T" "A" "A" "A" "A" "T" "A" "C" "A"
## [14005] "C" "A" "A" "T" "G" "G" "C" "A" "G" "C" "A" "C" "C" "T" "C" "G" "T" "C" "T"
## [14023] "A" "T" "G" "C" "T" "T" "T" "A" "A" "G" "G" "C" "A" "T" "T" "T" "T" "G"
## [14041] "A" "T" "G" "A" "A" "G" "G" "T" "A" "A" "T" "T" "G" "T" "G" "A" "C" " "
## [14059] "A" "C" "A" "T" "T" "A" "A" "A" "G" "A" "A" "A" "T" "A" "C" "T" "T"
## [14077] "G" "T" "C" "A" "C" "A" "T" "A" "C" "A" "A" "T" "T" "G" "T" "T" "G" "T"
## [14095] "G" "A" "T" "G" "A" "T" "G" "A" "T" "T" "A" "T" "T" "T" "T" "C" "A" "A" "T"
## [14113] "A" "A" "A" "A" "A" "G" "G" "G" "T" "G" "G" "T" "A" "T" "G" " " " "A"
## [14131] "T" "T" "T" "T" "G" "T" "A" "G" "A" "A" "A" "A" "C" "C" "C" "A" "G" "A"
## [14149] "T" "A" "T" "A" "T" "A" "C" "G" "C" "G" "T" "A" "T" "A" "C" "G" "C"
  [14167] "C" "A" "A" "C" "T" "T" "A" "G" "G" "T" "G" "A" "A" "C" "G" "T" "G" "T"
## [14185] "A" "C" "G" "C" "C" "A" "A" "G" "C" "T" "T" "T" "G" "T" "T" " " "A" "A"
  [14203] "A" "A" "A" "C" "A" "G" "T" "A" "C" "A" "A" "T" "T" "C" "T" "G"
## [14221] "A" "T" "G" "C" "C" "A" "T" "G" "C" "G" "A" "A" "A" "T" "G" "C" "T" "G"
## [14239] "G" "T" "A" "T" "T" "G" "T" "G" "G" "T" "G" "G" "T" "G" "A"
## [14257] "C" "A" "T" "T" "A" "G" "A" "T" "A" "A" "T" "C" "A" "A" " " "G" "A" "T"
## [14275] "C" "T" "C" "A" "A" "T" "G" "G" "T" "A" "A" "C" "T" "G" "G" "T" "A" "T"
## [14293] "G" "A" "T" "T" "T" "C" "G" "G" "T" "G" "A" "T" "T" "T" "C" "A" "T" "A"
```

```
## [14311] "C" "A" "A" "A" "C" "C" "A" "C" "G" "C" "C" "A" "G" "G" "T" "A" "G" "T"
  ## [14347] "T" "T" "C" "T" "T" "A" "T" "T" "A" "T" "T" "C" "A" "T" "T" "G" "T" "T"
## [14365] "A" "A" "T" "G" "C" "C" "T" "A" "T" "A" "T" "A" "A" "A" "A" "C" "C" "C" "T" "T"
## [14383] "G" "A" "C" "C" "A" "G" "G" "G" "C" "T" "T" "T" "A" "A" "C" "T" "G" "C"
## [14401] "A" "G" "A" "G" "T" "C" "A" "C" "A" "T" "G" "T" " " "T" "G" "A" "C" "A"
## [14419] "C" "T" "G" "A" "C" "T" "T" "A" "A" "C" "A" "A" "A" "G" "C" "C" "T" "T"
## [14437] "A" "C" "A" "T" "T" "A" "A" "G" "T" "G" "G" "G" "A" "T" "T" "T" "G" "T"
## [14455] "T" "A" "A" "A" "A" "T" "A" "T" "G" "A" "C" "T" "T" "C" "A" "C" "G" "G"
## [14473] "A" "A" "G" "A" "G" "A" "G" "G" "T" "T" "A" " " "A" "A" "A" "A" "C" "T" "C"
## [14509] "T" "A" "T" "T" "G" "G" "G" "A" "T" "C" "A" "G" "A" "C" "A" "T" "A" "C"
## [14527] "C" "A" "C" "C" "C" "A" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A" "C"
## [14545] "T" "G" "T" "T" "T" "G" "G" "A" "T" "G" " " "A" "C" "A" "G" "A" "T" "G"
## [14563] "C" "A" "T" "T" "C" "T" "G" "C" "A" "T" "G" "T" "G" "T" "G" "C" "A" "A" "A"
## [14581] "C" "T" "T" "T" "A" "A" "T" "G" "T" "T" "T" "T" "A" "T" "T" "C" "T" "C"
  [14599] "T" "A" "C" "A" "G" "T" "G" "T" "T" "C" "C" "C" "A" "C" "C" "T" "A" "C"
## [14617] "A" "A" "G" "T" "T" "T" "T" "G" "G" " " "A" "C" "C" "A" "C" "T" "A" "G"
## [14653] "A" "T" "G" "G" "T" "G" "T" "T" "C" "C" "A" "T" "T" "T" "G" "T" "A" "G"
## [14671] "T" "T" "T" "C" "A" "A" "C" "T" "G" "G" "A" "T" "A" "C" "C" "A" "C" "T"
## [14689] "T" "C" "A" "G" "A" "G" "A" "G" " " "C" "T" "A" "G" "G" "T" "G" "T" "T"
## [14707] "G" "T" "A" "C" "A" "T" "A" "A" "T" "C" "A" "G" "G" "A" "T" "G" "T" "A"
## [14725] "A" "A" "C" "T" "T" "A" "C" "A" "T" "A" "G" "C" "T" "C" "T" "A" "G" "A"
## [14743] "C" "T" "T" "A" "G" "T" "T" "T" "A" "A" "G" "G" "A" "A" "A" "T" "A" "A" "G" "G" "A" "A" "A" "T" "T" "A"
## [14761] "C" "T" "T" "G" "T" "G" "T" " "A" "T" "G" "C" "T" "G" "C" "T" "G" "A"
## [14779] "C" "C" "C" "T" "G" "C" "T" "A" "T" "G" "C" "A" "C" "G" "C" "T" "G" "C"
## [14797] "T" "T" "C" "T" "G" "G" "T" "A" "A" "T" "C" "T" "A" "T" "T" "A" "C" "T"
## [14815] "A" "G" "A" "T" "A" "A" "A" "C" "G" "C" "A" "C" "T" "A" "C" "G" "T" "G"
## [14833] "C" "T" "T" "T" "T" "C" " " "A" "G" "T" "A" "G" "C" "T" "G" "C" "A" "C"
## [14851] "T" "T" "A" "C" "T" "A" "A" "C" "A" "A" "T" "G" "T" "T" "G" "C" "T" "T"
## [14869] "T" "T" "C" "A" "A" "A" "C" "T" "G" "T" "C" "A" "A" "A" "C" "C" "C" "G"
## [14887] "G" "T" "A" "A" "T" "T" "T" "T" "A" "A" "C" "A" "A" "A" "G" "A" "C" "T"
## [14905] "T" "C" "T" "A" "T" " " "G" "A" "C" "T" "T" "T" "G" "C" "T" "G" "T" "G"
## [14923] "T" "C" "T" "A" "A" "G" "G" "T" "T" "T" "T" "C" "T" "T" "T" "A" "A" "G"
## [14941] "G" "A" "A" "G" "G" "A" "A" "G" "T" "T" "C" "T" "G" "T" "T" "G" "A" "A"
## [14977] "G" "C" "T" "C" " " "A" "G" "G" "A" "T" "G" "G" "T" "A" "A" "T" "G" "C"
## [14995] "T" "G" "C" "T" "A" "T" "C" "A" "G" "C" "G" "A" "T" "T" "A" "T" "G" "A"
## [15013] "C" "T" "A" "C" "T" "A" "T" "C" "G" "T" "T" "A" "T" "A" "A" "T" "C" "T"
## [15031] "A" "C" "C" "A" "A" "C" "A" "A" "T" "G" "T" "G" "T" "G" "A" "T" "A" "T"
## [15049] "C" "A" "G" " " "A" "C" "A" "A" "C" "T" "A" "C" "T" "A" "T" "A" "T" "T" "T" "T" "G"
## [15067] "T" "A" "G" "T" "T" "G" "A" "A" "G" "T" "T" "G" "T" "T" "G" "A" "T" "A"
## [15085] "A" "G" "T" "A" "C" "T" "T" "T" "G" "A" "T" "T" "G" "T" "T" "A" "C" "G"
## [15103] "A" "T" "G" "G" "T" "G" "G" "C" "T" "G" "T" "A" "T" "T" "A" "A" "T" "G"
## [15121] "C" "T" " "A" "A" "C" "C" "A" "A" "G" "T" "C" "A" "T" "C" "G" "T" "C"
  [15139] "A" "A" "C" "A" "A" "C" "C" "T" "A" "G" "A" "C" "A" "A" "A" "T" "C" "A"
  [15157] "G" "C" "T" "G" "G" "T" "T" "T" "T" "C" "C" "A" "T" "T" "T" "A" "A" "T"
  [15175] "A" "A" "A" "T" "G" "G" "G" "G" "T" "A" "A" "G" "G" "C" "T" "A" "G" "A"
## [15193] "C" " "T" "T" "T" "A" "T" "A" "T" "G" "A" "T" "T" "C" "A" "A" "T"
## [15211] "G" "A" "G" "T" "T" "A" "T" "G" "A" "G" "A" "T" "C" "A" "A" "G" "A"
## [15229] "T" "G" "C" "A" "C" "T" "T" "T" "T" "C" "G" "C" "A" "T" "A" "T" "A" "C"
## [15247] "A" "A" "A" "A" "C" "G" "T" "A" "A" "T" "G" "T" "C" "A" "T" "C" "C" "C"
## [15265] " " "T" "A" "C" "T" "A" "T" "A" "A" "C" "T" "C" "A" "A" "A" "A" "T" "G" "A"
```

```
## [15283] "A" "T" "C" "T" "T" "A" "A" "G" "T" "A" "T" "G" "C" "C" "A" "T" "T" "A"
  [15301] "G" "T" "G" "C" "A" "A" "A" "G" "A" "A" "T" "A" "G" "A" "G" "C" "T" "C"
  [15319] "G" "C" "A" "C" "C" "G" "T" "A" "G" "C" "T" "G" "G" "T" "G" "T" "C" " "
## [15337] "T" "C" "T" "A" "T" "C" "T" "G" "T" "A" "G" "T" "A" "C" "T" "A" "C" "T" "A" "C" "T" "A" "T" "G"
## [15355] "A" "C" "C" "A" "A" "T" "A" "G" "A" "C" "A" "G" "T" "T" "T" "C" "A" "T"
## [15391] "A" "T" "A" "G" "C" "C" "G" "C" "C" "A" "C" "T" "A" "G" "A" "G" " " "G"
## [15409] "A" "G" "C" "T" "A" "C" "T" "G" "T" "A" "G" "T" "A" "A" "A" "T" "T" "G" "G"
  [15427] "A" "A" "C" "A" "A" "G" "C" "A" "A" "A" "T" "T" "C" "T" "A" "T" "G" "G"
  [15445] "T" "G" "G" "T" "T" "G" "G" "C" "A" "C" "A" "A" "C" "A" "T" "G" "T" "T"
  [15463] "A" "A" "A" "A" "A" "A" "C" "T" "G" "T" "T" "T" "A" "T" "A" "G" " " "T" "G"
## [15481] "A" "T" "G" "T" "A" "G" "A" "A" "A" "C" "C" "C" "T" "C" "A" "C" "C"
## [15499] "T" "T" "A" "T" "G" "G" "G" "T" "T" "G" "G" "G" "A" "T" "T" "A" "T" "C"
## [15517] "C" "T" "A" "A" "A" "T" "G" "T" "G" "A" "T" "A" "G" "A" "G" "C" "C" "A"
## [15535] "T" "G" "C" "C" "T" "A" "A" "C" "A" "T" "G" "C" "T" "T" " " "A" "G" "A"
## [15553] "A" "T" "T" "A" "T" "G" "G" "C" "C" "T" "C" "A" "C" "T" "T" "G" "T" "T"
  [15571]
          "C" "T" "T" "G" "C" "T" "C" "G" "C" "A" "A" "A" "C" "A" "T" "A" "C" "A"
## [15589] "A" "C" "G" "T" "G" "T" "G" "T" "A" "G" "C" "T" "T" "G" "T" "C" "A"
## [15607] "C" "A" "C" "C" "G" "T" "T" "T" "C" "T" "A" "T" "A" " " "G" "A" "T" "T"
## [15625] "A" "G" "C" "T" "A" "A" "T" "G" "A" "G" "T" "G" "T" "G" "C" "T" "C" "A"
## [15643] "A" "G" "T" "A" "T" "T" "G" "A" "G" "T" "G" "A" "A" "A" "A" "T" "G" "G" "T"
## [15661] "C" "A" "T" "G" "T" "G" "T" "G" "C" "G" "G" "T" "T" "T" "C" "A" "C" "T"
## [15679] "A" "T" "A" "T" "G" "T" "T" "A" "A" "A" "C" "C" " " "A" "G" "G" "T" "G"
## [15697] "G" "A" "A" "C" "C" "T" "C" "A" "T" "C" "A" "G" "G" "A" "G" "A" "T" "G"
## [15715] "C" "C" "A" "C" "A" "C" "T" "G" "C" "T" "T" "A" "T" "G" "C" "T" "A"
  [15733] "A" "T" "A" "G" "T" "G" "T" "T" "T" "T" "T" "A" "A" "A" "C" "A" "T" "T" "T"
## [15751] "G" "T" "C" "A" "A" "G" "C" "T" "G" "T" "C" " "A" "C" "G" "G" "C" "C"
  [15769] "A" "A" "T" "G" "T" "T" "A" "A" "T" "G" "C" "A" "C" "T" "T" "T" "T" "A"
## [15787] "T" "C" "T" "A" "C" "T" "G" "A" "T" "G" "G" "T" "A" "A" "C" "A" "A" "A" "A"
## [15805] "A" "T" "T" "G" "C" "C" "G" "A" "T" "A" "A" "G" "T" "A" "T" "G" "T" "C"
## [15823] "C" "G" "C" "A" "A" "T" "T" "T" "A" "C" " " "A" "A" "C" "A" "C" "A" "G"
  [15841] "A" "C" "T" "T" "T" "A" "T" "G" "A" "G" "T" "G" "T" "C" "T" "C" "T" "A"
## [15859] "T" "A" "G" "A" "A" "A" "T" "A" "G" "A" "G" "A" "T" "G" "T" "T" "G" "A"
## [15877] "C" "A" "C" "A" "G" "A" "C" "T" "T" "T" "G" "T" "G" "A" "A" "T" "G" "A"
## [15895] "G" "T" "T" "T" "T" "A" "C" "G" "C" " " "A" "T" "A" "T" "T" "T" "T" "G" "C"
## [15913] "G" "T" "A" "A" "A" "C" "A" "T" "T" "T" "C" "T" "C" "A" "A" "T" "G" "A"
## [15931] "T" "G" "A" "T" "A" "C" "T" "C" "T" "C" "T" "G" "A" "C" "G" "A" "T" "G"
## [15967] "G" "C" "A" "C" "T" "T" "A" "T" " "G" "C" "A" "T" "C" "T" "C" "A" "A"
## [15985] "G" "G" "T" "C" "T" "A" "G" "T" "G" "G" "C" "T" "A" "G" "C" "A" "T" "A"
## [16003] "A" "A" "G" "A" "A" "C" "T" "T" "T" "A" "A" "G" "T" "C" "A" "G" "T" "T"
## [16021] "C" "T" "T" "A" "T" "A" "T" "C" "A" "A" "A" "A" "A" "C" "A" "A" "T"
## [16039] "G" "T" "T" "T" "T" "T" "A" " " "T" "G" "T" "C" "T" "G" "A" "A" "G" "C"
## [16057] "A" "A" "A" "A" "T" "G" "T" "T" "G" "G" "A" "C" "T" "G" "A" "G" "A" "C"
## [16075] "T" "G" "A" "C" "C" "T" "A" "C" "T" "A" "A" "A" "A" "G" "G" "A" "C" "C"
## [16093] "T" "C" "A" "T" "G" "A" "A" "T" "T" "T" "T" "G" "C" "T" "C" "T" "C" "A"
   [16111] "A" "C" "A" "T" "A" "C" " " "A" "A" "T" "G" "C" "T" "A" "G" "T" "T" "A"
  [16129] "A" "A" "C" "A" "G" "G" "G" "T" "G" "A" "T" "G" "A" "T" "T" "A" "T" "G"
  [16147] "T" "G" "T" "A" "C" "C" "T" "T" "C" "C" "T" "T" "A" "C" "C" "C" "A" "G"
## [16165] "A" "T" "C" "C" "A" "T" "C" "A" "A" "G" "A" "A" "T" "C" "C" "T" "A" "G"
  [16183] "G" "G" "G" "C" "C" " " "G" "G" "C" "T" "G" "T" "T" "T" "T" "T" "G" "T" "A"
## [16201] "G" "A" "T" "G" "A" "T" "A" "T" "C" "G" "T" "A" "A" "A" "A" "A" "A" "C" "A"
## [16219] "G" "A" "T" "G" "G" "T" "A" "C" "A" "C" "T" "T" "A" "T" "G" "A" "T" "T"
## [16237] "G" "A" "A" "C" "G" "G" "T" "T" "C" "G" "T" "G" "T" "C" "T" "T" "T" "A"
```

```
## [16255] "G" "C" "T" "A" " "T" "A" "G" "A" "T" "G" "C" "T" "T" "A" "C" "C" "C"
  [16273] "A" "C" "T" "T" "A" "C" "T" "A" "A" "A" "A" "A" "T" "C" "C" "T" "A" "A"
  [16291] "T" "C" "A" "G" "G" "A" "G" "T" "A" "T" "G" "C" "T" "G" "A" "T" "G" "T"
## [16309] "C" "T" "T" "T" "C" "A" "T" "T" "G" "T" "A" "C" "T" "A" "C" "T" "A" "C" "A"
## [16327] "A" "T" "A" " "C" "A" "T" "A" "A" "G" "A" "A" "A" "G" "C" "T" "A" "C"
## [16345] "A" "T" "G" "A" "T" "G" "A" "G" "T" "T" "A" "A" "C" "A" "G" "G" "A" "C"
## [16363] "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "C" "A" "T" "G" "T" "A" "T" "T"
## [16381] "C" "T" "G" "T" "T" "A" "T" "G" "C" "T" "T" "A" "C" "T" "A" "A" "A" "T" "G"
  [16399] "A" "T" " "A" "A" "C" "A" "C" "T" "T" "C" "A" "A" "G" "G" "T" "A" "T"
  [16417] "T" "G" "G" "G" "A" "A" "C" "C" "T" "G" "A" "G" "T" "T" "T" "T" "T" "A" "T"
  [16435] "G" "A" "G" "G" "C" "T" "A" "T" "G" "T" "A" "C" "A" "C" "A" "C" "A" "C" "C" "G"
## [16453] "C" "A" "T" "A" "C" "A" "G" "T" "C" "T" "T" "A" "C" "A" "G" "G" "C" "T"
## [16471] "G" " " "T" "T" "G" "G" "G" "G" "C" "T" "T" "G" "T" "G" "T" "T" "C" "T"
## [16489] "T" "T" "G" "C" "A" "A" "T" "T" "C" "A" "C" "A" "G" "A" "C" "T" "T" "C"
## [16507] "A" "T" "T" "A" "A" "G" "A" "T" "G" "T" "G" "G" "T" "G" "C" "T" "T" "G"
## [16525] "C" "A" "T" "A" "C" "G" "T" "A" "G" "A" "C" "C" "A" "T" "T" "C" "T" "T"
  [16543] " " "A" "T" "G" "T" "T" "G" "T" "A" "A" "A" "A" "G" "C" "T" "G" "T" "T"
  [16561] "A" "C" "G" "A" "C" "C" "A" "T" "G" "T" "C" "A" "T" "A" "T" "C" "A" "A"
  [16579] "C" "A" "T" "C" "A" "C" "A" "T" "A" "A" "A" "A" "T" "T" "A" "G" "T" "C" "T"
## [16597] "T" "G" "T" "C" "T" "G" "T" "T" "A" "A" "T" "C" "C" "G" "T" "A" "T" "
## [16615] "G" "T" "T" "T" "G" "C" "A" "A" "T" "G" "C" "T" "C" "C" "A" "G" "G" "T"
## [16633] "T" "G" "T" "G" "A" "T" "G" "T" "C" "A" "C" "A" "G" "A" "T" "G" "T" "G"
## [16651] "A" "C" "T" "C" "A" "A" "C" "T" "T" "A" "C" "T" "T" "A" "G" "G" "A"
## [16687] "T" "A" "A" "A" "T" "C" "A" "C" "A" "T" "A" "A" "A" "A" "C" "C" "A" "C" "C"
  [16705] "C" "A" "T" "T" "A" "G" "T" "T" "T" "T" "C" "C" "A" "T" "T" "G" "T" "G"
## [16723] "T" "G" "C" "T" "A" "A" "T" "G" "G" "A" "C" "A" "A" "G" "T" "T" "T" "T"
  ## [16759] "C" "A" "T" "G" "T" "G" "T" "T" "G" "G" "T" "A" "G" "C" "G" "A" "T" "A"
## [16777] "A" "T" "G" "T" "T" "A" "C" "T" "G" "A" "C" "T" "T" "T" "A" "A" "T" "G"
## [16795] "C" "A" "A" "T" "T" "G" "C" "A" "A" "C" "A" "T" "G" "T" "G" "A" "C" "T"
  [16813] "G" "G" "A" "C" "A" "A" "A" "T" "G" "C" "T" "G" "G" "T" " " "G" "A" "T"
  [16831] "T" "A" "C" "A" "T" "T" "T" "T" "A" "G" "C" "T" "A" "A" "C" "A" "C" "C"
## [16849] "T" "G" "T" "A" "C" "T" "G" "A" "A" "A" "G" "A" "C" "T" "C" "A" "A" "G"
## [16867] "C" "T" "T" "T" "T" "T" "G" "C" "A" "G" "C" "A" "G" "A" "A" "A" "A" "C" "G"
## [16885] "C" "T" "C" "A" "A" "A" "G" "C" "T" "A" "C" "T" "G" " " "A" "G" "G" "A"
## [16903] "G" "A" "C" "A" "T" "T" "T" "A" "A" "A" "C" "T" "G" "T" "C" "T" "T" "A"
## [16939] "T" "G" "A" "A" "G" "T" "G" "C" "T" "G" "T" "C" "T" "G" "A" "C" "A" "G"
## [16957] "A" "G" "A" "A" "T" "T" "A" "C" "A" "T" "C" "T" " " "T" "T" "C" "A" "T"
## [16975] "G" "G" "G" "A" "A" "G" "T" "T" "G" "G" "T" "A" "A" "A" "A" "C" "C" "T" "A"
## [16993] "G" "A" "C" "C" "A" "C" "C" "A" "C" "T" "T" "A" "A" "A" "C" "C" "G" "A" "A"
## [17011] "A" "T" "T" "A" "T" "G" "T" "C" "T" "T" "A" "C" "T" "G" "G" "T" "T"
## [17047] "A" "G" "T" "A" "A" "A" "G" "T" "A" "C" "A" "A" "A" "T" "A" "G" "G" "A"
## [17065] "G" "A" "G" "T" "A" "C" "A" "C" "C" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A"
  [17083] "G" "G" "T" "G" "A" "C" "T" "A" "T" "G" "G" "T" "G" "A" "T" "G" "C" "T"
  [17101] "G" "T" "T" "G" "T" "T" "A" "C" "C" " " "G" "A" "G" "G" "T" "A" "C"
  [17119] "A" "A" "C" "A" "A" "C" "T" "T" "A" "C" "A" "A" "A" "T" "T" "A" "A" "A"
## [17137] "T" "G" "T" "T" "G" "G" "T" "G" "A" "T" "T" "A" "T" "T" "T" "T" "T" "G" "T"
## [17155] "G" "C" "T" "G" "A" "C" "A" "T" "C" "A" "T" "A" "C" "A" "T" "A" "C" "A" "G" "T"
## [17173] "A" "A" "T" "G" "C" "C" "A" "T" "T" " " "A" "A" "G" "T" "G" "C" "A" "C"
## [17191] "C" "T" "A" "C" "A" "C" "T" "A" "G" "T" "G" "C" "C" "A" "C" "A" "A" "G"
## [17209] "A" "G" "C" "A" "C" "T" "A" "T" "G" "T" "T" "A" "G" "A" "A" "T" "T" "A"
```

```
## [17227] "C" "T" "G" "G" "C" "T" "T" "A" "T" "A" "C" "C" "C" "A" "A" "C" "A" "C"
  [17245] "T" "C" "A" "A" "T" "A" "T" "C" " " "T" "C" "A" "G" "A" "T" "G" "A" "G"
## [17263] "T" "T" "T" "T" "C" "T" "A" "G" "C" "A" "A" "T" "G" "T" "T" "G" "C" "A"
## [17281] "A" "A" "T" "T" "A" "T" "C" "A" "A" "A" "A" "G" "G" "T" "T" "G" "G" "T"
## [17299] "A" "T" "G" "C" "A" "A" "A" "A" "G" "T" "A" "T" "T" "C" "T" "A" "C" "A"
## [17317] "C" "T" "C" "C" "A" "G" "G" " " "G" "A" "C" "C" "A" "C" "C" "T" "G" "G"
## [17335] "T" "A" "C" "T" "G" "G" "T" "A" "A" "G" "A" "G" "T" "C" "A" "T" "T" "T"
## [17353] "T" "G" "C" "T" "A" "T" "T" "G" "C" "C" "T" "A" "G" "C" "T" "C" "T"
## [17371] "C" "T" "A" "C" "T" "A" "C" "C" "C" "T" "T" "C" "T" "G" "C" "T" "C" "G"
## [17389] "C" "A" "T" "A" "G" "T" " "G" "T" "A" "T" "A" "C" "A" "G" "C" "T" "T"
## [17407] "G" "C" "T" "C" "T" "C" "A" "T" "G" "C" "C" "G" "C" "T" "G" "T" "T" "G"
## [17425] "A" "T" "G" "C" "A" "C" "T" "A" "T" "G" "T" "G" "A" "G" "A" "A" "G" "G"
## [17461] "T" "A" "G" "A" "T" " "A" "A" "A" "T" "G" "T" "A" "G" "T" "A" "G" "A"
## [17479] "A" "T" "T" "A" "T" "A" "C" "C" "T" "G" "C" "A" "C" "G" "T" "G" "C" "T"
## [17497] "C" "G" "T" "G" "T" "A" "G" "A" "G" "T" "G" "T" "T" "T" "T" "T" "G" "A" "T"
## [17515] "A" "A" "A" "T" "T" "C" "A" "A" "A" "G" "T" "G" "A" "A" "T" "T" "C" "A"
## [17533] "A" "C" "A" "T" " "T" "A" "G" "A" "A" "C" "A" "G" "T" "A" "T" "G" "T"
## [17551] "C" "T" "T" "T" "T" "G" "T" "A" "C" "T" "G" "T" "A" "A" "A" "T" "G" "C"
## [17569] "A" "T" "T" "G" "C" "C" "T" "G" "A" "G" "A" "C" "G" "A" "C" "A" "G" "C"
## [17587] "A" "G" "A" "T" "A" "T" "A" "G" "T" "T" "G" "T" "C" "T" "T" "T" "G" "A"
## [17605] "T" "G" "A" " " "A" "A" "T" "T" "C" "A" "A" "T" "G" "G" "C" "C" "A"
## [17623] "C" "A" "A" "A" "T" "T" "A" "T" "G" "A" "T" "T" "T" "G" "A" "G" "T" "G"
## [17641] "T" "T" "G" "T" "C" "A" "A" "T" "G" "C" "C" "A" "G" "A" "T" "T" "A" "C"
## [17659] "G" "T" "G" "C" "T" "A" "A" "G" "C" "A" "C" "T" "A" "T" "G" "T" "G" "T"
## [17677] "A" "C" " " "A" "T" "T" "G" "G" "C" "G" "A" "C" "C" "C" "T" "G" "C" "T"
## [17695] "C" "A" "A" "T" "T" "A" "C" "C" "T" "G" "C" "A" "C" "C" "A" "C" "G" "C"
## [17713] "A" "C" "A" "T" "T" "G" "C" "T" "A" "A" "C" "T" "A" "A" "G" "G" "G" "C"
## [17731] "A" "C" "A" "C" "T" "A" "G" "A" "A" "C" "C" "A" "G" "A" "A" "T" "A" "T"
## [17749] "T" " "T" "C" "A" "A" "T" "T" "C" "A" "G" "T" "G" "T" "G" "T" "A" "G"
## [17767] "A" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "C" "T" "A" "T" "A" "G" "G"
## [17785] "T" "C" "C" "A" "G" "A" "C" "A" "T" "G" "T" "T" "C" "C" "T" "C" "G" "G"
## [17803] "A" "A" "C" "T" "T" "G" "T" "C" "G" "G" "C" "G" "T" "T" "G" "T" "C" "C"
## [17821] " " "T" "G" "C" "T" "G" "A" "A" "A" "T" "T" "G" "T" "T" "G" "A" "C" "A"
## [17839] "C" "T" "G" "T" "G" "A" "G" "T" "G" "C" "T" "T" "T" "G" "G" "T" "T" "T"
## [17857] "A" "T" "G" "A" "T" "A" "A" "T" "A" "G" "C" "T" "T" "A" "A" "A" "G"
## [17875] "C" "A" "C" "A" "T" "A" "A" "A" "G" "A" "C" "A" "A" "A" "T" "C" "A" "
## [17893] "G" "C" "T" "C" "A" "A" "T" "G" "C" "T" "T" "T" "A" "A" "A" "A" "A" "T" "G"
## [17911] "T" "T" "T" "A" "T" "A" "A" "G" "G" "G" "T" "G" "T" "T" "A" "T" "C"
## [17929] "A" "C" "G" "C" "A" "T" "G" "A" "T" "G" "T" "T" "T" "T" "C" "A" "T" "C" "T"
## [17947] "G" "C" "A" "A" "T" "T" "A" "A" "C" "A" "G" "G" "C" "C" "A" "C" " " "A"
## [17965] "A" "A" "T" "A" "G" "G" "C" "G" "T" "G" "G" "T" "A" "A" "G" "A" "G" "A"
## [17983] "A" "T" "T" "C" "C" "T" "T" "A" "C" "A" "C" "G" "T" "A" "A" "C" "C" "C"
## [18001] "T" "G" "C" "T" "T" "G" "G" "A" "G" "A" "A" "A" "A" "G" "C" "T" "G" "T"
## [18019] "C" "T" "T" "T" "A" "T" "T" "C" "A" "C" "C" "T" "T" "A" " " "T" "A"
## [18037] "A" "T" "T" "C" "A" "C" "A" "G" "A" "A" "T" "G" "C" "T" "G" "T" "A" "G"
  [18055] "C" "C" "T" "C" "A" "A" "A" "G" "A" "T" "T" "T" "T" "G" "G" "G" "A" "C"
## [18073] "T" "A" "C" "C" "A" "A" "C" "T" "C" "A" "A" "A" "C" "T" "G" "T" "T" "G"
## [18091] "A" "T" "T" "C" "A" "T" "C" "A" "G" "G" "G" "G" "C" " " "T" "C" "A"
## [18109] "G" "A" "A" "T" "A" "T" "G" "A" "C" "T" "A" "T" "G" "T" "C" "A" "T" "A"
## [18127] "T" "T" "C" "A" "C" "T" "C" "A" "A" "A" "A" "C" "C" "A" "C" "T" "G" "A" "A"
## [18145] "A" "C" "A" "G" "C" "T" "C" "A" "C" "T" "C" "T" "T" "G" "T" "A" "A" "T"
## [18163] "G" "T" "A" "A" "A" "C" "A" "G" "A" "T" "T" "T" "A" " " "A" "T" "G" "T"
## [18181] "T" "G" "C" "T" "A" "T" "T" "A" "C" "C" "A" "G" "A" "G" "C" "A" "A" "A" "A"
```

```
## [18199] "A" "G" "T" "A" "G" "G" "C" "A" "T" "A" "C" "T" "T" "T" "G" "C" "A" "T"
  [18217] "A" "A" "T" "G" "T" "C" "T" "G" "A" "T" "A" "G" "A" "G" "A" "G" "A" "C" "T"
  [18235] "T" "T" "A" "T" "G" "A" "C" "A" "A" "G" "T" "T" " " "G" "C" "A" "A" "T"
## [18253] "T" "T" "A" "C" "A" "A" "G" "T" "C" "T" "T" "G" "A" "A" "A" "A" "T" "T" "C"
## [18271] "C" "A" "C" "G" "T" "A" "G" "G" "A" "A" "T" "G" "T" "G" "G" "C" "A" "A"
## [18289] "C" "T" "T" "T" "A" "C" "A" "A" "G" "C" "T" "G" "A" "A" "A" "A" "A" "T" "G"
## [18307] "T" "A" "A" "C" "A" "G" "G" "A" "C" "T" "C" " " "T" "T" "T" "A" "A" "A" "A"
## [18325] "G" "A" "T" "T" "G" "T" "A" "G" "T" "A" "G" "G" "T" "A" "A" "T" "C"
  [18343] "A" "C" "T" "G" "G" "G" "T" "T" "A" "C" "A" "T" "C" "C" "T" "A" "C" "A"
  [18361] "C" "A" "G" "G" "C" "A" "C" "C" "T" "A" "C" "A" "C" "A" "C" "A" "C" "T" "C"
  [18379] "A" "G" "T" "G" "T" "T" "G" "A" "C" "A" " " "C" "T" "A" "A" "A" "A" "T" "T"
## [18397] "C" "A" "A" "A" "A" "C" "T" "G" "A" "A" "G" "G" "T" "T" "T" "A" "T" "G"
## [18415] "T" "G" "T" "T" "G" "A" "C" "A" "T" "A" "C" "C" "T" "G" "G" "C" "A" "T"
## [18433] "A" "C" "C" "T" "A" "A" "G" "G" "A" "C" "A" "T" "G" "A" "C" "C" "T" "A"
## [18451] "T" "A" "G" "A" "A" "G" "A" "C" "T" " " "C" "A" "T" "C" "T" "C" "T" "A"
## [18469] "T" "G" "A" "T" "G" "G" "G" "T" "T" "T" "T" "A" "A" "A" "A" "A" "T" "G" "A"
  [18487] "A" "T" "T" "A" "T" "C" "A" "A" "G" "T" "T" "A" "A" "A" "T" "G" "G" "T" "T"
## [18505] "A" "C" "C" "C" "T" "A" "A" "C" "A" "T" "G" "T" "T" "T" "A" "T" "C" "A"
## [18523] "C" "C" "C" "G" "C" "G" "A" "A" "A" "A" "G" "C" "T" "A" "T" "A"
## [18541] "A" "G" "A" "C" "A" "T" "G" "T" "A" "C" "G" "T" "G" "C" "A" "T" "G" "G"
## [18559] "A" "T" "T" "G" "G" "C" "T" "T" "C" "G" "A" "T" "G" "T" "C" "G" "A" "G"
## [18577] "G" "G" "G" "T" "G" "T" "C" "A" "T" "G" "C" "T" "A" "C" "T" "A" "G" "A"
## [18595] "G" "A" "A" "G" "C" "T" "G" " "T" "T" "G" "G" "T" "A" "C" "C" "A" "A"
## [18613] "T" "T" "A" "C" "C" "T" "T" "A" "C" "A" "G" "C" "T" "A" "G" "G"
## [18631] "T" "T" "T" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T" "G" "T" "T" "A" "A" "A"
  [18649] "C" "C" "T" "A" "G" "T" "T" "G" "C" "T" "G" "T" "A" "C" "C" "T" "A" "C"
## [18667] "A" "G" "G" "T" "T" "A" " " "T" "G" "T" "T" "G" "A" "T" "A" "C" "A" "C"
## [18685] "C" "T" "A" "A" "T" "A" "A" "T" "A" "C" "A" "G" "A" "T" "T" "T" "T" "T" "T"
## [18703] "C" "C" "A" "G" "A" "G" "T" "T" "A" "G" "T" "G" "C" "T" "A" "A" "A" "C"
## [18721] "C" "A" "C" "C" "G" "C" "C" "T" "G" "G" "A" "G" "A" "T" "C" "A" "A" "T"
## [18739] "T" "T" "A" "A" "A" "A" "C" "C" "A" "C" "C" "A" "T" "A" "C" "C" "A"
  [18757] "C" "T" "T" "A" "T" "G" "T" "A" "C" "A" "A" "A" "G" "G" "A" "C" "T" "T"
  [18775] "C" "C" "T" "T" "G" "G" "A" "A" "T" "G" "T" "A" "G" "T" "G" "C" "G" "T"
## [18793] "A" "T" "A" "A" "A" "G" "A" "T" "G" "T" "A" "C" "A" "A" "A" "A" "T" "G"
## [18811] "T" "T" "A" "A" " "G" "T" "G" "A" "C" "A" "C" "A" "C" "T" "T" "A" "A"
## [18829] "A" "A" "A" "T" "C" "T" "C" "T" "C" "T" "G" "A" "C" "A" "G" "A" "G" "T"
## [18847] "C" "G" "T" "A" "T" "T" "T" "G" "T" "C" "T" "T" "A" "T" "G" "G" "G" "C"
## [18865] "A" "C" "A" "T" "G" "G" "C" "T" "T" "T" "G" "A" "G" "T" "T" "G" "A" "G"
## [18883] "A" "T" "C" " " "T" "A" "T" "G" "A" "A" "G" "T" "A" "T" "T" "T" "T" "T" "G"
## [18901] "T" "G" "A" "A" "A" "A" "T" "A" "G" "G" "A" "C" "C" "T" "G" "A" "G" "C"
## [18919] "G" "C" "A" "C" "C" "T" "G" "T" "G" "T" "C" "T" "A" "T" "G" "T" "G"
## [18937] "A" "T" "A" "G" "A" "C" "G" "T" "G" "C" "C" "A" "C" "A" "T" "G" "C" "T"
## [18955] "T" "T" " " "T" "C" "C" "A" "C" "T" "G" "C" "T" "T" "C" "A" "G" "A" "C"
## [18973] "A" "C" "T" "T" "A" "T" "G" "C" "C" "T" "G" "T" "T" "G" "G" "C" "A" "T"
## [18991] "C" "A" "T" "T" "C" "T" "A" "T" "T" "G" "G" "A" "T" "T" "T" "G" "A" "T"
## [19009] "T" "A" "C" "G" "T" "C" "T" "A" "T" "A" "A" "T" "C" "C" "G" "T" "T" "T"
  [19027] "A" " "T" "G" "A" "T" "T" "G" "A" "T" "G" "T" "T" "C" "A" "A" "C" "A"
  [19045] "A" "T" "G" "G" "G" "G" "T" "T" "T" "T" "A" "C" "A" "G" "G" "T" "A" "A"
  [19063] "C" "C" "T" "A" "C" "A" "A" "A" "G" "C" "A" "A" "C" "C" "A" "T" "G" "A"
## [19081] "T" "C" "T" "G" "T" "A" "T" "T" "G" "T" "C" "A" "A" "G" "T" "C" "C" "A"
## [19099] " " "T" "G" "G" "T" "A" "A" "T" "G" "C" "A" "T" "G" "T" "A" "G"
## [19117] "C" "T" "A" "G" "T" "T" "G" "T" "G" "A" "T" "G" "C" "A" "A" "T" "C" "A"
## [19135] "T" "G" "A" "C" "T" "A" "G" "G" "T" "G" "T" "C" "T" "A" "G" "C" "T" "G"
```

```
## [19171] "A" "A" "G" "C" "G" "T" "G" "T" "G" "A" "C" "T" "G" "G" "A" "C" "T"
  [19189] "A" "T" "T" "G" "A" "A" "T" "A" "T" "C" "C" "T" "A" "T" "A" "A" "A" "T" "T"
## [19207] "G" "G" "T" "G" "A" "T" "G" "A" "A" "C" "T" "G" "A" "A" "G" "A" "T" "T"
## [19243] "G" "G" "T" "T" "C" "A" "A" "C" "A" "C" "A" "T" "G" "G" "T" "T" "G" "T"
## [19261] "T" "A" "A" "A" "G" "C" "T" "G" "C" "A" "T" "T" "A" "T" "T" "A" "G" "C"
## [19279] "A" "G" "A" "C" "A" "A" "A" "T" "T" "C" "C" "C" "A" "G" "T" "T" "C" "T"
## [19297] "T" "C" "A" "C" "G" "A" "C" "A" "T" "T" "G" "G" "T" "A" "A" " " "C" "C"
  [19315] "C" "T" "A" "A" "A" "G" "C" "T" "A" "T" "T" "A" "A" "G" "T" "G"
  [19333] "T" "A" "C" "C" "T" "C" "A" "A" "G" "C" "T" "G" "A" "T" "G" "T" "A" "G"
  [19351] "A" "A" "T" "G" "G" "A" "A" "G" "T" "T" "C" "T" "A" "T" "G" "A" "T" "G"
## [19369] "C" "A" "C" "A" "G" "C" "C" "T" "T" "G" "T" "A" "G" "T" " " "G" "A" "C"
## [19387] "A" "A" "A" "G" "C" "T" "T" "A" "A" "A" "A" "A" "A" "T" "A" "G" "A" "A"
## [19405] "G" "A" "A" "T" "T" "A" "T" "T" "C" "T" "A" "T" "T" "C" "T" "A" "T"
## [19423] "G" "C" "C" "A" "C" "A" "C" "A" "T" "T" "C" "T" "G" "A" "C" "A" "A" "A" "A"
## [19441] "T" "T" "C" "A" "C" "A" "G" "A" "T" "G" "G" "T" "G" " " "T" "A" "T" "G"
  [19459] "C" "C" "T" "A" "T" "T" "T" "T" "G" "G" "A" "A" "A" "T" "T" "G" "C" "A" "A"
## [19477] "T" "G" "T" "C" "G" "A" "T" "A" "G" "A" "T" "A" "T" "C" "C" "T" "G" "C"
## [19495] "T" "A" "A" "T" "T" "C" "C" "A" "T" "T" "G" "T" "T" "T" "G" "T" "A" "G"
## [19513] "A" "T" "T" "T" "G" "A" "C" "A" "C" "T" "A" "G" " " "A" "G" "T" "G" "C"
## [19531] "T" "A" "T" "C" "T" "A" "A" "C" "C" "T" "T" "A" "A" "C" "T" "T" "G" "C"
## [19549] "C" "T" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G" "G" "T" "G" "G" "C" "A"
## [19603] "G" "C" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "G" "T" "G" "C" "T"
## [19639] "T" "T" "A" "C" "C" "A" "T" "T" "T" "T" "T" "C" "T" "A" "T" "T" "A" "C"
## [19657] "T" "C" "T" "G" "A" "C" "A" "G" "T" "C" " " "C" "A" "T" "G" "T" "G" "A"
## [19675] "G" "T" "C" "T" "C" "A" "T" "G" "G" "A" "A" "A" "A" "C" "A" "A" "G" "T"
## [19693] "A" "G" "T" "G" "T" "C" "A" "G" "A" "T" "A" "T" "A" "G" "A" "T" "A"
## [19711] "T" "G" "T" "A" "C" "C" "A" "C" "T" "A" "A" "A" "G" "T" "C" "T" "G" "C"
  [19729] "T" "A" "C" "G" "T" "G" "T" "A" "T" " " "A" "A" "A" "C" "A" "C" "G" "T" "T"
## [19747] "G" "C" "A" "A" "T" "T" "T" "A" "G" "G" "T" "G" "G" "T" "G" "C" "T" "G"
## [19765] "T" "C" "T" "G" "T" "A" "G" "A" "C" "A" "T" "C" "A" "T" "G" "C" "T" "A"
## [19783] "A" "T" "G" "A" "G" "T" "A" "C" "A" "G" "A" "T" "T" "G" "T" "A" "T" "C"
## [19801] "T" "C" "G" "A" "T" "G" "C" "T" " " "T" "A" "T" "A" "A" "C" "A" "T" "G"
## [19819] "A" "T" "G" "A" "T" "C" "T" "C" "A" "G" "C" "T" "G" "G" "C" "T" "T" "T"
## [19855] "C" "A" "A" "T" "T" "T" "G" "A" "T" "A" "C" "T" "T" "A" "T" "A" "C"
## [19873] "C" "T" "C" "T" "G" "G" "A" " " "A" "C" "A" "C" "T" "T" "T" "T" "T" "A" "C"
## [19891] "A" "A" "G" "A" "C" "T" "T" "C" "A" "G" "A" "G" "T" "T" "T" "A" "G" "A"
## [19909] "A" "A" "A" "T" "G" "T" "G" "C" "T" "T" "T" "T" "T" "A" "A" "A" "T" "G" "T"
## [19927] "T" "G" "T" "A" "A" "A" "T" "A" "G" "G" "G" "A" "C" "A" "C" "T" "T"
## [19945] "T" "G" "A" "T" "G" "G" " " "A" "C" "A" "A" "C" "A" "G" "G" "G" "T" "G"
## [19963] "A" "A" "G" "T" "A" "C" "C" "A" "G" "T" "T" "T" "C" "T" "A" "T" "C" "A"
## [19981] "T" "T" "A" "A" "T" "A" "A" "C" "A" "C" "T" "G" "T" "T" "T" "A" "C" "A"
  [1999] "C" "A" "A" "A" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "G" "T" "T" "G"
  [20017] "A" "T" "G" "T" "A" " " "G" "A" "A" "T" "T" "G" "T" "T" "G" "A" "A"
  [20035] "A" "A" "T" "A" "A" "A" "A" "C" "A" "C" "A" "T" "T" "A" "C" "C" "T"
## [20053] "G" "T" "T" "A" "A" "T" "G" "T" "A" "G" "C" "A" "T" "T" "T" "T" "G" "A" "G"
  [20071] "C" "T" "T" "T" "G" "G" "G" "C" "T" "A" "A" "G" "C" "G" "C" "A" "A" "C"
## [20089] "A" "T" "T" "A" " "A" "A" "C" "C" "A" "G" "T" "A" "C" "C" "A" "G" "A"
## [20107] "G" "G" "T" "G" "A" "A" "A" "A" "A" "C" "T" "C" "A" "A" "T" "A" "A" "A"
## [20125] "T" "T" "T" "G" "G" "G" "T" "G" "T" "G" "A" "C" "A" "T" "T" "G" "C"
```

```
## [20143] "T" "G" "C" "T" "A" "A" "T" "A" "C" "T" "G" "T" "G" "A" "T" "C" "T" "G"
  [20161] "G" "G" "A" " " "C" "T" "A" "C" "A" "A" "A" "A" "G" "A" "G" "A" "T" "G"
  [20179] "C" "T" "C" "C" "A" "G" "C" "A" "C" "A" "T" "A" "T" "A" "T" "A" "T" "A"
  [20215] "T" "G" "A" "C" "T" "G" "A" "C" "A" "T" "A" "G" "C" "C" "A" "A" "G" "A"
## [20233] "A" "A" " " "C" "C" "A" "A" "C" "T" "G" "A" "A" "A" "C" "G" "A" "T" "T"
## [20251] "T" "G" "T" "G" "C" "A" "C" "C" "A" "C" "T" "C" "A" "C" "T" "G" "T" "C"
## [20269] "T" "T" "T" "T" "T" "T" "G" "A" "T" "G" "G" "T" "A" "G" "A" "G" "T" "T"
  [20287] "G" "A" "T" "G" "G" "T" "C" "A" "A" "G" "T" "A" "G" "A" "C" "T" "A"
  [20305] "T" " "T" "T" "A" "G" "A" "A" "A" "T" "G" "C" "C" "C" "G" "T" "A" "A"
  [20323] "T" "G" "G" "T" "G" "T" "T" "C" "T" "T" "A" "T" "T" "A" "C" "A" "G" "A"
## [20341] "A" "G" "G" "T" "A" "G" "T" "G" "T" "T" "A" "A" "A" "G" "G" "T" "T" "T"
  [20359] "A" "C" "A" "A" "C" "C" "A" "T" "C" "T" "G" "T" "A" "G" "T" "C" "C"
## [20377] " " "C" "A" "A" "A" "C" "A" "A" "G" "C" "T" "A" "G" "T" "C" "T" "T" "A"
## [20395] "A" "T" "G" "G" "A" "G" "T" "C" "A" "C" "A" "T" "T" "A" "A" "T" "T" "G"
## [20413] "G" "A" "G" "A" "A" "G" "C" "C" "G" "T" "A" "A" "A" "A" "A" "A" "C" "A" "C"
  [20449] "A" "A" "A" "G" "T" "T" "G" "A" "T" "G" "G" "T" "G" "T" "T" "G" "T" "C"
  [20467] "C" "A" "A" "C" "A" "A" "T" "T" "A" "C" "C" "T" "G" "A" "A" "A" "C" "T"
## [20485] "T" "A" "C" "T" "T" "A" "C" "T" "C" "A" "G" "A" "G" "T" "A" "G" "A"
## [20503] "A" "A" "T" "T" "T" "A" "C" "A" "A" "G" "A" "A" "T" "T" "T" "A" " " "A" "A"
## [20521] "A" "C" "C" "C" "A" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A"
## [20539] "A" "A" "T" "T" "G" "A" "T" "T" "T" "C" "T" "T" "A" "G" "A" "A" "T" "T"
## [20557] "A" "G" "C" "T" "A" "T" "G" "G" "A" "T" "G" "A" "A" "T" "T" "C" "A" "T"
## [20575] "T" "G" "A" "A" "C" "G" "G" "T" "A" "T" "A" "A" "A" "A" "T" "T" " " "A" "G"
  [20593] "A" "A" "G" "G" "C" "T" "A" "T" "G" "C" "C" "T" "T" "C" "G" "A" "A" "C"
## [20611] "A" "T" "A" "T" "C" "G" "T" "T" "T" "A" "T" "G" "G" "A" "G" "A" "T" "T"
  [20629] "T" "T" "A" "G" "T" "C" "A" "T" "A" "G" "T" "C" "A" "G" "T" "T" "A" "G"
## [20647] "G" "T" "G" "G" "T" "T" "T" "A" "C" "A" "T" "C" "T" "A" " " "C" "T" "G"
## [20665] "A" "T" "T" "G" "G" "A" "C" "T" "A" "G" "C" "T" "A" "A" "A" "A" "C" "G" "T"
## [20683] "T" "T" "A" "A" "G" "G" "A" "A" "T" "C" "A" "C" "C" "T" "T" "T" "T"
  [20719] "C" "C" "T" "A" "T" "G" "G" "A" "C" "A" "G" "T" "A" " " "C" "A" "G" "T"
  [20737] "T" "A" "A" "A" "A" "A" "C" "T" "A" "T" "T" "T" "C" "A" "T" "A" "A" "C"
## [20755] "A" "G" "A" "T" "G" "C" "G" "C" "A" "A" "A" "C" "A" "G" "G" "T" "T" "C"
## [20773] "A" "T" "C" "T" "A" "A" "G" "T" "G" "T" "G" "T" "G" "T" "G" "T" "C"
## [20791] "T" "G" "T" "T" "A" "T" "T" "G" "A" "T" "T" "T" " " "A" "T" "T" "A" "C"
## [20827] "T" "A" "A" "T" "A" "A" "A" "A" "T" "C" "C" "C" "A" "A" "G" "A" "T" "T"
  [20845] "T" "A" "T" "C" "T" "G" "T" "A" "G" "T" "T" "T" "T" "C" "T" "A" "A" "G" "G"
##
  [20863] "T" "T" "G" "T" "C" "A" "A" "A" "G" "T" "G" " " "A" "C" "T" "A" "T" "T"
## [20881] "G" "A" "C" "T" "A" "T" "A" "C" "A" "G" "A" "A" "A" "T" "T" "T" "C" "A"
## [20899] "T" "T" "A" "A" "T" "G" "C" "T" "T" "G" "G" "T" "G" "T" "A" "A" "A"
## [20917] "G" "A" "T" "G" "G" "C" "C" "A" "T" "G" "T" "A" "G" "A" "A" "A" "A" "C" "A"
## [20935] "T" "T" "T" "T" "A" "C" "C" "C" "A" "A" " " "A" "A" "T" "T" "A" "C" "A"
## [20953] "A" "T" "C" "T" "A" "G" "T" "C" "A" "A" "G" "C" "G" "T" "G" "G" "C" "A"
  [20971] "A" "C" "C" "G" "G" "G" "T" "G" "T" "T" "G" "C" "T" "A" "T" "G" "C" "C"
  [20989] "T" "A" "A" "T" "C" "T" "T" "T" "A" "C" "A" "A" "A" "A" "A" "T" "G" "C" "A"
  [21007] "A" "A" "G" "A" "A" "T" "G" "C" "T" " " "A" "T" "T" "A" "G" "A" "A" "A"
  [21025] "A" "G" "T" "G" "T" "G" "A" "C" "C" "T" "T" "C" "A" "A" "A" "A" "A" "T" "T"
  [21043] "A" "T" "G" "G" "T" "G" "A" "T" "A" "G" "T" "G" "C" "A" "A" "C" "A" "T"
## [21061] "T" "A" "C" "C" "T" "A" "A" "A" "G" "G" "C" "A" "T" "A" "A" "T" "G" "A"
## [21079] "T" "G" "A" "A" "T" "G" "T" "C" " " "G" "C" "A" "A" "A" "A" "A" "T" "A" "T"
## [21097] "A" "C" "T" "C" "A" "A" "C" "T" "G" "T" "G" "T" "C" "A" "A" "T" "A" "T"
```

```
## [21115] "T" "T" "A" "A" "A" "C" "A" "C" "A" "T" "T" "A" "A" "C" "A" "T" "T" "A"
  [21151] "A" "G" "A" "G" "T" "T" "A" " " "T" "A" "C" "A" "T" "T" "T" "T" "T" "G" "G"
## [21169] "T" "G" "C" "T" "G" "G" "T" "T" "C" "T" "G" "A" "A" "A" "A" "A" "A" "G" "G"
## [21187] "A" "G" "T" "T" "G" "C" "A" "C" "C" "A" "G" "G" "T" "A" "C" "A" "G" "C"
## [21205] "T" "G" "T" "T" "T" "T" "A" "A" "G" "A" "C" "A" "G" "T" "G" "G" "T" "T"
## [21223] "G" "C" "C" "T" "A" "C" " " "G" "G" "G" "T" "A" "C" "G" "C" "T" "G" "C"
## [21241] "T" "T" "G" "T" "C" "G" "A" "T" "T" "C" "A" "G" "A" "T" "C" "T" "T" "A"
## [21259] "A" "T" "G" "A" "C" "T" "T" "T" "G" "T" "C" "T" "C" "T" "G" "A" "T" "G"
## [21277] "C" "A" "G" "A" "T" "T" "C" "A" "A" "C" "T" "T" "T" "G" "A" "T" "T" "G"
  [21295] "G" "T" "G" "A" "T" " " "T" "G" "T" "G" "C" "A" "A" "C" "T" "G" "T" "A"
## [21313] "C" "A" "T" "A" "C" "A" "G" "C" "T" "A" "A" "T" "A" "A" "A" "T" "G" "G"
  [21331] "G" "A" "T" "C" "T" "C" "A" "T" "T" "A" "T" "A" "A" "G" "T" "G" "A" "T"
## [21349] "A" "T" "G" "T" "A" "C" "G" "A" "C" "C" "C" "T" "A" "A" "G" "A" "C" "T"
## [21367] "A" "A" "A" "A" " " "A" "T" "G" "T" "T" "A" "C" "A" "A" "A" "A" "A" "G" "A"
## [21385] "A" "A" "A" "T" "G" "A" "C" "T" "C" "T" "A" "A" "A" "G" "A" "G" "G" "G"
  [21403] "T" "T" "T" "T" "T" "T" "C" "A" "C" "T" "T" "A" "C" "A" "T" "T" "T" "G"
  [21439] "G" "C" "T" " " "A" "G" "C" "T" "C" "T" "T" "G" "G" "A" "G" "G" "T" "T"
## [21457] "C" "C" "G" "T" "G" "G" "C" "T" "A" "T" "A" "A" "A" "G" "A" "T" "A" "A" "A"
## [21475] "C" "A" "G" "A" "A" "C" "A" "T" "T" "C" "T" "T" "G" "G" "A" "A" "T" "G"
## [21493] "C" "T" "G" "A" "T" "C" "T" "T" "A" "T" "A" "A" "G" "C" "T" "C" "A"
## [21511] "T" "G" " " "G" "G" "A" "C" "A" "C" "T" "T" "C" "G" "C" "A" "T" "G" "G"
## [21529] "T" "G" "G" "A" "C" "A" "G" "C" "C" "T" "T" "T" "G" "T" "T" "A" "C" "T"
## [21547] "A" "A" "T" "G" "T" "G" "A" "A" "T" "G" "C" "G" "T" "C" "A"
  ## [21583] "G" " " "G" "A" "T" "G" "T" "A" "A" "T" "A" "T" "C" "T" "T" "G" "G"
  [21601] "C" "A" "A" "A" "C" "C" "A" "C" "G" "C" "G" "A" "A" "C" "A" "A" "A" "A" "T"
## [21619] "A" "G" "A" "T" "G" "G" "T" "T" "A" "T" "G" "T" "C" "A" "T" "G" "C" "A"
## [21637] "T" "G" "C" "A" "A" "A" "T" "T" "A" "C" "A" "T" "A" "T" "T" "T" "T" "T" "G"
## [21655] " " "G" "A" "G" "G" "A" "A" "T" "A" "C" "A" "A" "A" "T" "C" "C" "A" "A"
  [21673] "T" "T" "C" "A" "G" "T" "T" "G" "T" "C" "T" "T" "C" "T" "T" "A" "T" "T"
  [21691] "C" "T" "T" "T" "A" "T" "T" "T" "G" "A" "C" "A" "T" "G" "A" "G" "A" "G" "T" "A"
  [21709] "A" "A" "T" "T" "T" "C" "C" "C" "C" "T" "T" "A" "A" "A" "A" "T" "T" "A" " "
## [21727] "A" "G" "G" "G" "G" "T" "A" "C" "T" "G" "C" "T" "G" "T" "T" "A" "T" "G"
## [21745] "T" "C" "T" "T" "T" "A" "A" "A" "G" "A" "A" "G" "G" "T" "C" "A" "A"
## [21763] "A" "T" "C" "A" "A" "T" "G" "A" "T" "G" "A" "T" "G" "A" "T" "T" "T" "T" "A"
## [21799] "T" "A" "G" "A" "C" "T" "T" "A" "T" "A" "T" "T" "A" "T" "A" "G" "A" "G" "A"
  [21817] "A" "A" "A" "C" "A" "A" "C" "A" "G" "A" "G" "T" "T" "G" "T" "T" "A" "T"
##
  [21835] "T" "T" "C" "T" "A" "G" "T" "G" "A" "T" "G" "T" "T" "C" "T" "T" "G" "T"
## [21853] "T" "A" "A" "C" "A" "A" "C" "T" "A" "A" "C" "G" "A" "A" "A" " "C" "A"
## [21889] "T" "T" "A" "T" "T" "G" "C" "C" "A" "C" "T" "A" "G" "T" "C" "T" "C" "T"
## [21907] "A" "G" "T" "C" "A" "G" "T" "G" "T" "G" "T" "T" "A" "A" "T" "C" "T" "T"
## [21925] "A" "C" "A" "A" "C" "C" "A" "G" "A" "A" "C" "T" "C" "A" " " "A" "T" "T"
  [21943] "A" "C" "C" "C" "C" "C" "T" "G" "C" "A" "T" "A" "C" "A" "C" "A" "C" "T" "A" "A"
  [21961] "T" "T" "C" "T" "T" "T" "C" "A" "C" "A" "C" "G" "T" "G" "T" "G" "T"
  [21979] "T" "T" "A" "T" "T" "A" "C" "C" "C" "T" "G" "A" "C" "A" "A" "A" "A" "A" "A" "A" "G" "T"
## [21997] "T" "T" "C" "A" "G" "A" "T" "C" "C" "T" "C" "A" " " "G" "T" "T" "T"
         "T" "A" "C" "A" "T" "T" "C" "A" "A" "C" "T" "C" "A" "G" "G" "A" "C" "T"
  [22015]
## [22051] "C" "C" "A" "A" "T" "G" "T" "T" "A" "C" "T" "T" "G" "G" "T" "T" "C" "C"
## [22069] "A" "T" "G" "C" "T" "A" "T" "A" "C" "A" "T" "G" " " "T" "C" "T" "C" "T"
```

```
## [22087] "G" "G" "G" "A" "C" "C" "A" "A" "T" "G" "G" "T" "A" "C" "T" "A" "A" "G"
  [22105] "A" "G" "G" "T" "T" "T" "G" "A" "T" "A" "A" "C" "C" "C" "T" "G" "T" "C"
## [22123] "C" "T" "A" "C" "C" "A" "T" "T" "T" "A" "A" "T" "G" "A" "T" "G" "G" "T"
## [22141] "G" "T" "T" "T" "A" "T" "T" "T" "G" "C" " " "T" "T" "C" "C" "A" "C"
## [22159] "T" "G" "A" "G" "A" "A" "G" "T" "C" "T" "A" "A" "C" "A" "T" "A" "A" "T"
## [22177] "A" "A" "G" "A" "G" "G" "C" "T" "G" "G" "A" "T" "T" "T" "T" "T" "T" "G" "G"
## [22195] "T" "A" "C" "T" "A" "C" "T" "T" "T" "A" "G" "A" "T" "T" "T" "C" "G" "A" "A"
## [22213] "G" "A" "C" "C" "C" "A" "G" "T" "C" "C" " "C" " "C" "T" "A" "C" "T" "A"
  [22231] "T" "T" "G" "T" "T" "A" "A" "T" "A" "C" "G" "C" "T" "A" "C" "T" "A"
## [22249] "A" "T" "G" "T" "T" "G" "T" "T" "A" "T" "A" "A" "A" "A" "G" "T" "C" "T"
  [22267] "G" "T" "G" "A" "A" "T" "T" "T" "C" "A" "A" "T" "T" "T" "T" "T" "G" "T" "A"
## [22321] "A" "A" "C" "A" "A" "A" "A" "G" "T" "T" "G" "G" "A" "T" "G" "G" "A" "A" "A"
## [22339] "A" "G" "T" "G" "A" "G" "T" "T" "C" "A" "G" "A" "G" "T" "T" "T" "A" "T"
## [22357] "T" "C" "T" "A" "G" "T" "G" "C" " " "G" "A" "A" "T" "A" "A" "T" "T" "G"
  [22375] "C" "A" "C" "T" "T" "T" "T" "G" "A" "A" "T" "A" "T" "G" "T" "C"
## [22393] "T" "C" "A" "G" "C" "C" "T" "T" "T" "T" "C" "T" "T" "A" "T" "G" "G" "A"
## [22429] "T" "A" "A" "T" "T" "T" "C" " " "A" "A" "A" "A" "A" "T" "C" "T" "T" "A"
## [22447] "G" "G" "G" "A" "A" "T" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "A" "G" "A"
## [22465] "A" "T" "A" "T" "T" "G" "A" "T" "G" "G" "T" "T" "A" "T" "T" "T" "T" "A"
## [22483] "A" "A" "A" "T" "A" "T" "A" "T" "C" "T" "A" "A" "G" "C" "A" "C" "A"
## [22519] "C" "G" "T" "G" "A" "T" "C" "T" "C" "C" "T" "C" "A" "G" "A" "G" "G" "T"
  [22537] "T" "T" "T" "T" "C" "G" "G" "C" "T" "T" "T" "A" "G" "A" "A" "C" "C" "A"
## [22555] "T" "T" "G" "G" "T" "A" "G" "A" "T" "T" "T" "G" "C" "C" "A" "A" "T" "A"
## [22573] "G" "G" "T" "A" "T" " "T" "A" "A" "C" "A" "T" "C" "A" "C" "T" "A" "G"
## [22591] "G" "T" "T" "T" "C" "A" "A" "A" "C" "T" "T" "A" "C" "T" "T" "G" "C"
## [22609] "T" "T" "A" "C" "A" "T" "A" "G" "A" "A" "G" "T" "T" "A" "T" "T" "T"
## [22627] "G" "A" "C" "T" "C" "C" "T" "G" "G" "T" "G" "A" "T" "T" "C" "T" "T" "C"
         "T" "T" "C" "A" " " "G" "G" "T" "T" "G" "G" "A" "C" "A" "G" "C" "T" "G"
  [22645]
## [22663] "G" "T" "G" "C" "T" "G" "C" "A" "G" "C" "T" "T" "A" "T" "T" "A" "T" "G"
## [22681] "T" "G" "G" "G" "T" "T" "A" "T" "C" "T" "T" "C" "A" "A" "C" "C" "T" "A"
## [22735] "A" "T" "T" "A" "C" "A" "G" "A" "T" "G" "C" "T" "G" "T" "A" "G" "A" "C"
## [22753] "T" "G" "T" "G" "C" "A" "C" "T" "T" "G" "A" "C" "C" "C" "C" "T" "C"
## [22771] "T" "C" "A" "G" "A" "A" "A" "C" "A" "A" "A" "G" "T" "G" "T" "A" "C" "G"
## [22789] "T" "T" " "G" "A" "A" "A" "T" "C" "C" "T" "T" "C" "A" "C" "T" "G" "T"
## [22825] "A" "A" "C" "T" "T" "C" "T" "A" "A" "C" "T" "T" "T" "A" "G" "A" "G" "T"
## [22843] "C" "C" "A" "A" "C" "C" "A" "A" "G" "A" "A" "T" "C" "T" "A" "T"
## [22861] "T" " "G" "T" "T" "A" "G" "A" "T" "T" "T" "C" "C" "T" "A" "A" "T" "A"
## [22879] "T" "T" "A" "C" "A" "A" "C" "T" "T" "G" "T" "G" "C" "C" "C" "C" "T" "T"
## [22897] "T" "T" "G" "G" "T" "G" "A" "A" "G" "T" "T" "T" "T" "T" "A" "A" "C" "G"
  [22915] "C" "C" "A" "C" "C" "A" "G" "A" "T" "T" "T" "G" "C" "A" "T" "C" "T" "G"
## [22933] " " "T" "T" "A" "T" "G" "C" "T" "T" "G" "G" "A" "A" "C" "A" "G" "G"
  [22951] "A" "A" "G" "A" "G" "A" "A" "T" "C" "A" "G" "C" "A" "A" "A" "C" "T" "G" "T"
## [22969] "G" "T" "T" "G" "C" "T" "G" "A" "T" "T" "A" "T" "T" "C" "T" "G" "T" "C"
         "C" "T" "A" "T" "A" "T" "A" "A" "T" "T" "C" "C" "G" "C" "A" "T" "C" "
## [22987]
## [23005] "A" "T" "T" "T" "T" "C" "C" "A" "C" "T" "T" "T" "T" "A" "A" "G" "T" "G"
## [23023] "T" "T" "A" "T" "G" "G" "A" "G" "T" "G" "T" "C" "T" "C" "T" "A" "C"
## [23041] "T" "A" "A" "A" "T" "T" "A" "A" "A" "T" "G" "A" "T" "C" "T" "C" "T" "G"
```

```
## [23059] "C" "T" "T" "T" "A" "C" "T" "A" "A" "T" "G" "T" "C" "T" "A" "T" " "G"
   [23077] "C" "A" "G" "A" "T" "T" "C" "A" "T" "T" "T" "G" "T" "A" "A" "A" "T" "A"
  [23095] "G" "A" "G" "G" "T" "G" "A" "T" "G" "A" "A" "G" "A" "G" "T" "C" "A" "G" "A" "C"
  [23113] "A" "A" "A" "T" "C" "G" "C" "T" "C" "C" "A" "G" "G" "G" "C" "A" "A" "A"
  [23131] "C" "T" "G" "G" "A" "A" "A" "G" "A" "T" "T" "G" "C" "T" "G" " " " "A" "T"
## [23167] "G" "A" "T" "G" "A" "T" "T" "T" "A" "C" "A" "G" "G" "C" "T" "G" "C"
## [23185] "G" "T" "T" "A" "T" "A" "G" "C" "T" "T" "G" "G" "A" "A" "T" "T" "C" "T"
  [23203] "A" "A" "C" "A" "A" "T" "C" "T" "T" "G" "A" "T" "T" "C" " " "T" "A" "A"
  [23221] "G" "G" "T" "T" "G" "G" "T" "G" "G" "T" "A" "A" "T" "T" "A" "T" "A" "A"
  [23239] "T" "T" "A" "C" "C" "T" "G" "T" "A" "T" "A" "G" "A" "T" "T" "G" "T" "T"
## [23257] "T" "A" "G" "G" "A" "A" "G" "T" "C" "T" "A" "A" "T" "C" "T" "C" "A" "A"
  [23275] "A" "C" "C" "T" "T" "T" "T" "G" "A" "G" "A" "G" "A" " "" "G" "A" "T" "A"
## [23293] "T" "T" "T" "C" "A" "A" "C" "T" "G" "A" "A" "A" "T" "C" "T" "A" "T" "C"
## [23311] "A" "G" "G" "C" "C" "G" "G" "T" "A" "G" "C" "A" "C" "A" "C" "C" "T" "T"
## [23329] "G" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T" "G" "A" "A" "G" "G" "T" "T"
  [23347] "T" "T" "A" "A" "T" "T" "G" "T" "T" "A" "C" "T" " " "T" "T" "C" "C" "T"
## [23365] "T" "T" "A" "C" "A" "A" "T" "C" "A" "T" "A" "T" "G" "G" "T" "T" "T" "C"
## [23383] "C" "A" "A" "C" "C" "C" "A" "C" "T" "A" "A" "T" "G" "G" "T" "G" "T" "T"
## [23401] "G" "G" "T" "T" "A" "C" "C" "A" "A" "C" "C" "A" "T" "A" "C" "A" "G" "A"
## [23437] "T" "G" "A" "A" "C" "T" "T" "C" "T" "A" "C" "A" "T" "G" "C" "A" "C" "A" "C" "C"
## [23455] "A" "G" "C" "A" "A" "C" "T" "G" "T" "T" "T" "G" "T" "G" "G" "A" "C" "C"
## [23473] "T" "A" "A" "A" "A" "A" "G" "T" "C" "T" "A" "C" "T" "A" "A" "A" "T" "T" "T"
## [23491] "G" "G" "T" "T" "A" "A" "A" "A" "C" " " "A" "A" "A" "T" "G" "T" "G"
  [23509] "T" "C" "A" "A" "T" "T" "T" "C" "A" "A" "C" "T" "T" "C" "A" "A" "T" "G"
## [23527] "G" "T" "T" "A" "A" "C" "A" "G" "G" "C" "A" "C" "A" "G" "G" "T" "G"
  [23545] "T" "T" "C" "T" "A" "C" "T" "G" "A" "G" "T" "C" "T" "A" "A" "C" "A"
## [23563] "A" "A" "A" "A" "G" "T" "T" "C" " " "T" "G" "C" "C" "T" "T" "T" "C"
## [23581] "C" "A" "A" "C" "A" "A" "T" "T" "T" "G" "G" "C" "A" "G" "A" "G" "A" "C"
## [23599] "A" "T" "T" "G" "C" "T" "G" "A" "C" "A" "C" "T" "A" "C" "T" "G" "A" "T"
          "G" "C" "T" "G" "T" "C" "C" "G" "T" "G" "A" "T" "C" "C" "A" "C" "A" "G"
  [23617]
  [23635] "A" "C" "A" "C" "T" "T" "G" "A" " " "G" "A" "T" "T" "C" "T" "T" "G" "A"
## [23653] "C" "A" "T" "T" "A" "C" "A" "C" "A" "T" "G" "T" "T" "T" "C" "T" "T" "T"
## [23671] "T" "G" "G" "T" "G" "G" "T" "G" "T" "C" "A" "G" "T" "G" "T" "T" "A" "T"
## [23689] "A" "A" "C" "A" "C" "C" "A" "G" "G" "A" "A" "A" "A" "A" "A" "T" "A" "C"
## [23707] "T" "T" "C" "T" "A" "A" "C" " " "C" "A" "G" "G" "T" "T" "G" "C" "T" "G"
## [23725] "T" "T" "C" "T" "T" "A" "T" "G" "A" "G" "G" "A" "T" "G" "T" "T" "A"
## [23743] "A" "C" "T" "G" "C" "A" "C" "A" "G" "A" "A" "G" "T" "C" "C" "C" "T" "G"
  [23761] "T" "T" "G" "C" "T" "A" "T" "T" "C" "A" "T" "G" "C" "A" "G" "A" "G" "A" "T" "C"
##
  [23779] "A" "A" "C" "T" "T" "A" " " "C" "T" "C" "C" "T" "A" "C" "T" "A" "C" "T" "G" "G"
## [23797] "C" "G" "T" "G" "T" "T" "A" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T"
## [23815] "T" "C" "T" "A" "A" "T" "G" "T" "T" "T" "T" "T" "C" "A" "A" "A" "C" "A"
## [23833] "C" "G" "T" "G" "C" "A" "G" "G" "C" "T" "G" "T" "T" "T" "A" "A" "T" "A"
## [23851] "G" "G" "G" "C" " " "T" "G" "A" "A" "C" "A" "T" "G" "T" "C" "A" "A"
## [23869] "C" "A" "A" "C" "T" "C" "A" "T" "A" "T" "G" "A" "G" "T" "G" "T" "G" "A"
          "C" "A" "T" "A" "C" "C" "C" "A" "T" "T" "G" "G" "T" "G" "C" "A" "G" "G"
  [23887]
  [23905] "T" "A" "T" "A" "T" "G" "C" "G" "C" "T" "A" "G" "T" "A" "T" "A" "T" "C" "A"
  [23923] "G" "A" "C" "T" " " "C" "A" "G" "A" "C" "T" "A" "A" "T" "T" "T" "C"
          "C" "T" "C" "G" "G" "C" "G" "G" "C" "A" "C" "G" "T" "A" "G"
## [23941]
          "T" "A" "G" "C" "T" "A" "G" "T" "C" "A" "A" "T" "C" "C" "A" "T" "C" "A"
## [23959]
## [23977] "T" "T" "G" "C" "C" "T" "A" "C" "A" "C" "T" "A" "T" "G" "T" "C" "A" "C"
## [23995] "T" "T" "G" " " "G" "T" "G" "C" "A" "G" "A" "A" "A" "A" "T" "T" "C" "A"
## [24013] "G" "T" "T" "G" "C" "T" "T" "A" "C" "T" "C" "T" "A" "A" "T" "A" "A" "C"
```

```
## [24031] "T" "C" "T" "A" "T" "T" "G" "C" "C" "A" "T" "A" "C" "C" "C" "A" "C" "A"
  [24049] "A" "A" "T" "T" "T" "T" "A" "C" "T" "A" "T" "A" "T" "A" "G" "T" "G" "T" "T"
## [24067] "A" "C" " " "C" "A" "C" "A" "G" "A" "A" "A" "T" "T" "C" "T" "A" "C" "C"
## [24103] "A" "T" "C" "A" "G" "T" "A" "G" "A" "T" "T" "G" "T" "A" "C" "A" "A" "T"
## [24121] "G" "T" "A" "C" "A" "T" "T" "T" "G" "T" "G" "G" "T" "G" "A" "T" "T" "C"
## [24139] "A" " " "A" "C" "T" "G" "A" "A" "T" "G" "C" "A" "G" "C" "A" "A" "T" "C"
## [24157] "T" "T" "T" "G" "T" "T" "G" "C" "A" "A" "T" "A" "T" "G" "G" "C" "A"
  [24175] "G" "T" "T" "T" "T" "T" "G" "T" "A" "C" "A" "C" "A" "A" "A" "T" "T" "A" "A"
## [24193] "A" "C" "C" "G" "T" "G" "C" "T" "T" "A" "A" "C" "T" "G" "G" "A" "A"
  [24211] " " "T" "A" "G" "C" "T" "G" "T" "T" "G" "A" "A" "C" "A" "A" "G" "A" "G" "A" "C"
## [24283] "A" "A" "T" "T" "A" "A" "A" "G" "A" "T" "T" "T" "T" "G" "G" "T" "G" "G"
## [24301] "T" "T" "T" "A" "A" "T" "T" "T" "T" "C" "A" "C" "A" "A" "A" "A" "T"
  [24319] "A" "T" "T" "A" "C" "C" "A" "G" "A" "T" "C" "C" "A" "T" "C" "A" "A" "A"
## [24337] "A" "C" "C" "A" "A" "G" "C" "A" "A" "G" "A" "G" "G" "T" "C" "A" " "T"
## [24355] "T" "T" "A" "T" "T" "G" "A" "A" "G" "A" "T" "C" "T" "A" "C" "T" "T" "T"
## [24373] "T" "C" "A" "A" "C" "A" "A" "A" "G" "T" "G" "A" "C" "A" "C" "T" "T" "G"
## [24391] "C" "A" "G" "A" "T" "G" "C" "T" "G" "C" "T" "T" "C" "A" "T" "C" "A"
## [24409] "A" "A" "C" "A" "A" "T" "A" "T" "G" "G" "T" "G" "A" "T" "T" " " "G" "C"
## [24427] "C" "T" "T" "G" "G" "T" "G" "A" "T" "A" "T" "T" "G" "C" "T" "G" "C" "T"
## [24445] "A" "G" "A" "G" "A" "C" "C" "T" "C" "A" "T" "T" "T" "G" "T" "G" "C" "A"
## [24463] "C" "A" "A" "A" "A" "G" "T" "T" "T" "A" "A" "C" "G" "G" "C" "C" "T" "T"
## [24481] "A" "C" "T" "G" "T" "T" "T" "T" "G" "C" "C" "A" "C" "C" " " " "T" "T" "T" "T"
## [24499] "G" "C" "T" "C" "A" "C" "A" "G" "A" "T" "G" "A" "A" "A" "T" "G" "A" "T"
## [24517] "T" "G" "C" "T" "C" "A" "A" "T" "A" "C" "A" "C" "T" "T" "C" "T" "G" "C"
## [24535] "A" "C" "T" "G" "T" "T" "A" "G" "C" "G" "G" "G" "T" "A" "C" "A" "A" "T"
## [24553] "C" "A" "C" "T" "T" "C" "T" "G" "G" "T" "T" "G" "G" " " "A" "C" "C" "T"
## [24571] "T" "T" "G" "G" "T" "G" "C" "A" "G" "G" "T" "G" "C" "T" "G" "C" "A" "T"
         "T" "A" "C" "A" "A" "A" "T" "A" "C" "C" "A" "T" "T" "T" "T" "G" "C" "T" "A"
  [24589]
## [24607] "T" "G" "C" "A" "A" "A" "T" "G" "G" "C" "T" "T" "A" "T" "A" "G" "G" "T"
## [24625] "T" "T" "A" "A" "T" "G" "G" "T" "A" "T" "G" " "" "G" " " "G" "A" "G" "T" "T"
## [24643] "A" "C" "A" "C" "A" "G" "A" "A" "T" "G" "T" "T" "C" "T" "C" "T" "A" "T"
## [24661] "G" "A" "G" "A" "A" "C" "C" "A" "A" "A" "A" "A" "T" "T" "G" "A" "T" "T"
## [24679] "G" "C" "C" "A" "A" "C" "C" "A" "A" "T" "T" "T" "A" "A" "T" "A" "G" "T"
## [24697] "G" "C" "T" "A" "T" "T" "G" "G" "C" "A" "A" " " "A" "A" "T" "T" "C" "A"
## [24715] "A" "G" "A" "C" "T" "C" "A" "C" "T" "T" "T" "C" "T" "T" "C" "C" "A" "C"
## [24733] "A" "G" "C" "A" "A" "G" "T" "G" "C" "A" "C" "T" "T" "G" "G" "A" "A" "A" "A"
## [24751] "A" "C" "T" "T" "C" "A" "A" "G" "A" "T" "G" "T" "G" "T" "C" "A" "A"
## [24769] "C" "C" "A" "A" "A" "A" "T" "G" "C" "A" " " "C" "A" "A" "G" "C" "T" "T"
## [24787] "T" "A" "A" "A" "C" "A" "C" "G" "C" "T" "T" "G" "T" "T" "A" "A" "A" "A" "C"
## [24805] "A" "A" "C" "T" "T" "A" "G" "C" "T" "C" "C" "A" "A" "T" "T" "T" "T" "T" "G"
## [24823] "G" "T" "G" "C" "A" "A" "T" "T" "T" "C" "A" "A" "G" "T" "G" "T" "T" "T"
## [24841] "T" "A" "A" "A" "T" "G" "A" "T" "A" " " "T" "C" "C" "T" "T" "T" "C" "A"
         "C" "G" "T" "C" "T" "T" "G" "A" "C" "A" "A" "A" "G" "T" "T" "G" "A" "G"
  [24859]
## [24877] "G" "C" "T" "G" "A" "A" "G" "T" "G" "C" "A" "A" "A" "T" "T" "G" "A" "T"
  [24895] "A" "G" "G" "T" "T" "G" "A" "T" "C" "A" "C" "A" "G" "G" "C" "A" "G" "A"
## [24913] "C" "T" "T" "C" "A" "A" "G" " "T" "T" "T" "G" "C" "A" "G" "A" "C"
         "A" "T" "A" "T" "G" "T" "G" "A" "C" "T" "C" "A" "A" "C" "A" "A" "A" "T" "T"
## [24931]
## [24949] "A" "A" "T" "T" "A" "G" "A" "G" "C" "T" "G" "C" "A" "G" "A" "A" "A" "T"
## [24967] "C" "A" "G" "A" "G" "C" "T" "T" "C" "T" "G" "C" "T" "A" "A" "T" "C" "T"
## [24985] "T" "G" "C" "T" "G" "C" "T" " " "A" "C" "T" "A" "A" "A" "A" "A" "T" "G" "T"
```

```
## [25003] "C" "A" "G" "A" "G" "T" "G" "T" "G" "T" "A" "C" "T" "T" "G" "G" "A" "C"
   [25021] "A" "A" "T" "C" "A" "A" "A" "A" "A" "G" "A" "G" "T" "T" "G" "A" "T" "T"
  [25039] "T" "T" "T" "G" "T" "G" "G" "A" "A" "A" "G" "G" "G" "C" "T" "A" "T" "C"
  [25057] "A" "T" "C" "T" "T" "A" " " "T" "G" "T" "C" "C" "T" "T" "C" "C" "C" "T"
## [25075] "C" "A" "G" "T" "C" "A" "G" "C" "A" "C" "C" "T" "C" "A" "T" "G" "G" "T"
## [25093] "G" "T" "A" "G" "T" "C" "T" "T" "C" "T" "T" "G" "C" "A" "T" "G" "T" "G"
## [25111] "A" "C" "T" "T" "A" "T" "G" "T" "C" "C" "C" "T" "G" "C" "A" "C" "A" "A"
## [25129] "G" "A" "A" "A" "A" "A" "G" "A" "C" "T" "T" "C" "A" "C" "A" "C" "A" "C"
  [25147] "T" "G" "C" "T" "C" "C" "T" "G" "C" "A" "T" "T" "T" "T" "G" "T" "C" "A"
  [25165] "T" "G" "A" "T" "G" "G" "A" "A" "A" "A" "G" "C" "A" "C" "A" "C" "T" "T"
  [25183] "T" "C" "C" "T" "C" "G" "T" "G" "A" "A" "G" "G" "T" "G" "T" "C" "T" "T"
  [25201] "T" "G" "T" "T" " " "T" "C" "A" "A" "A" "T" "G" "G" "C" "A" "C" "A" "C"
  [25219] "A" "C" "T" "G" "G" "T" "T" "T" "G" "T" "A" "A" "A" "C" "A" "C" "A" "A" "A"
## [25237] "G" "G" "A" "A" "T" "T" "T" "T" "T" "A" "T" "G" "A" "A" "C" "C" "A" "C"
## [25255] "A" "A" "A" "T" "C" "A" "T" "T" "A" "C" "T" "A" "C" "A" "G" "A" "C" "A"
## [25273] "A" "C" "A" " "C" "A" "T" "T" "T" "G" "T" "G" "T" "C" "T" "G" "T"
  [25291] "A" "A" "C" "T" "G" "T" "G" "A" "T" "G" "T" "G" "T" "A" "A" "T" "A"
  [25309] "G" "G" "A" "A" "T" "T" "G" "T" "C" "A" "A" "C" "A" "A" "C" "A" "C" "A" "C" "A"
## [25327] "G" "T" "T" "T" "A" "T" "G" "A" "T" "C" "C" "T" "T" "T" "G" "C" "A" "A"
## [25345] "C" "C" " " "T" "G" "A" "A" "T" "T" "A" "G" "A" "C" "T" "C" "A" "T" "T"
## [25363] "C" "A" "A" "G" "G" "A" "G" "G" "A" "G" "T" "T" "A" "G" "A" "T" "A" "A"
## [25381] "A" "T" "A" "T" "T" "T" "T" "A" "A" "G" "A" "A" "T" "C" "A" "T" "A" "C"
## [25399] "A" "T" "C" "A" "C" "C" "A" "G" "A" "T" "G" "T" "T" "G" "A" "T" "T" "T"
## [25417] "A" " "G" "G" "T" "G" "A" "C" "A" "T" "C" "T" "C" "T" "G" "G" "C" "A"
## [25435] "T" "T" "A" "A" "T" "G" "C" "T" "T" "C" "A" "G" "T" "T" "G" "T" "A" "A"
  ## [25471] "A" "C" "C" "G" "C" "C" "T" "C" "A" "A" "T" "G" "A" "G" "G" "T" "T" "G"
  [25489] " " "C" "C" "A" "A" "G" "A" "A" "T" "T" "T" "A" "A" "A" "A" "T" "G" "A" "A"
## [25507] "T" "C" "T" "C" "T" "C" "A" "T" "C" "G" "A" "T" "C" "T" "C" "C" "A" "A"
## [25525] "G" "A" "A" "C" "T" "T" "G" "G" "A" "A" "A" "G" "T" "A" "T" "G" "A" "G"
## [25543] "C" "A" "G" "T" "A" "T" "A" "T" "A" "A" "A" "A" "T" "G" "G" "C" "C" "
          "A" "T" "G" "G" "T" "A" "C" "A" "T" "T" "T" "G" "G" "C" "T" "A" "G" "G"
  [25561]
  [25579] "T" "T" "T" "T" "A" "T" "A" "G" "C" "T" "G" "G" "C" "T" "T" "G" "A" "T"
## [25597] "T" "G" "C" "C" "A" "T" "A" "G" "T" "A" "A" "T" "G" "G" "T" "G" "A" "C"
## [25615] "A" "A" "T" "T" "A" "T" "G" "C" "T" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "G" "T" " "A"
## [25633] "T" "G" "A" "C" "C" "A" "G" "T" "T" "G" "C" "T" "G" "T" "A" "G" "T" "T"
## [25651] "G" "T" "C" "T" "C" "A" "A" "G" "G" "G" "C" "T" "G" "T" "T" "G" "T" "T"
## [25669] "C" "T" "T" "G" "T" "G" "A" "T" "C" "C" "T" "G" "C" "T" "G" "C" "A"
## [25687] "A" "A" "T" "T" "T" "G" "A" "T" "G" "A" "A" "G" "A" "C" "G" " " "A" "C"
  [25705] "T" "C" "T" "G" "A" "G" "C" "C" "A" "G" "T" "G" "C" "T" "C" "A" "A" "A"
##
  [25723] "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "T" "A" "C" "A" "T" "T" "A" "C"
## [25741] "A" "C" "A" "T" "A" "A" "A" "C" "G" "A" "A" "C" "T" "T" "A" "T" "G" "G"
  [25759] "A" "T" "T" "T" "G" "T" "T" "A" "T" "G" "A" "G" "A" " " "A" "T" "C"
## [25777] "T" "T" "C" "A" "C" "A" "A" "T" "T" "G" "G" "A" "A" "C" "T" "G" "T" "A"
## [25795] "A" "C" "T" "T" "T" "G" "A" "A" "G" "C" "A" "A" "G" "G" "T" "G" "A" "A"
## [25813] "A" "T" "C" "A" "A" "G" "G" "A" "T" "G" "C" "T" "A" "C" "T" "C" "C" "T"
          "T" "C" "A" "G" "A" "T" "T" "T" "T" "G" "T" "T" "C" " " "G" "C" "G" "C"
   [25831]
  [25849] "T" "A" "C" "T" "G" "C" "A" "A" "C" "G" "A" "T" "A" "C" "C" "G" "A" "T"
  [25867] "A" "C" "A" "A" "G" "C" "C" "T" "C" "A" "C" "T" "C" "C" "C" "T" "T"
## [25885] "C" "G" "G" "A" "T" "G" "G" "C" "T" "T" "A" "T" "T" "G" "T" "T" "G" "G"
          "C" "G" "T" "T" "G" "C" "A" "C" "T" "T" "C" "T" " "T" "G" "T" "G"
  [25903]
## [25921] "T" "T" "T" "T" "T" "C" "A" "G" "A" "G" "C" "G" "C" "T" "T" "C" "C" "A"
## [25939] "A" "A" "A" "T" "C" "A" "T" "A" "A" "C" "C" "C" "T" "C" "A" "A" "A" "A" "A"
## [25957] "A" "G" "A" "G" "A" "T" "G" "G" "C" "A" "A" "C" "T" "A" "G" "C" "A" "C"
```

```
## [25975] "T" "C" "T" "C" "C" "A" "A" "G" "G" "G" "T" " "G" "T" "T" "C" "A" "C"
   [25993] "T" "T" "T" "G" "T" "T" "G" "C" "A" "A" "C" "T" "T" "G" "C" "T" "G"
  [26011] "T" "T" "G" "T" "T" "G" "T" "T" "G" "T" "A" "A" "C" "A" "G" "T" "T"
  [26029] "T" "A" "C" "T" "C" "A" "C" "A" "C" "C" "T" "T" "T" "T" "T" "T" "G" "C" "T" "C"
  [26047] "G" "T" "T" "G" "C" "T" "G" "C" "T" "G" " " "G" "C" "C" "T" "T" "G" "A"
## [26065] "A" "G" "C" "C" "C" "C" "T" "T" "T" "T" "C" "T" "C" "T" "A" "T" "C" "T"
## [26083] "T" "T" "A" "T" "G" "C" "T" "T" "A" "G" "T" "C" "T" "A" "C" "T" "T"
## [26101] "C" "T" "T" "G" "C" "A" "G" "A" "G" "T" "A" "T" "A" "A" "A" "A" "C" "T" "T"
   [26119] "T" "G" "T" "A" "A" "G" "A" "A" "T" " " "A" "A" "T" "A" "A" "T" "G" "A"
  [26137] "G" "G" "C" "T" "T" "T" "G" "G" "C" "T" "T" "T" "G" "C" "T" "G" "G" "A"
   [26173] "C" "A" "T" "T" "A" "C" "T" "T" "T" "A" "T" "G" "A" "T" "G" "C" "C" "A"
  ## [26209] "C" "A" "T" "A" "C" "T" "A" "A" "T" "T" "G" "T" "T" "A" "C" "G" "A" "C"
## [26227] "T" "A" "T" "T" "G" "T" "A" "T" "A" "C" "C" "T" "T" "A" "C" "A" "A" "T"
## [26245] "A" "G" "T" "G" "T" "A" "A" "C" "T" "T" "C" "T" "T" "C" "A" "A" "T" "T"
  [26263] "G" "T" "C" "A" "T" "T" "A" " " "C" "T" "T" "C" "A" "G" "G" "T" "G" "A"
  [26281] "T" "G" "G" "C" "A" "C" "A" "A" "C" "A" "A" "G" "T" "C" "C" "T" "A" "T"
  [26299] "T" "T" "C" "T" "G" "A" "A" "C" "A" "T" "G" "A" "C" "T" "A" "C" "C" "A"
## [26317] "G" "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A" "T" "A" "C" "T" "G" "A"
## [26335] "A" "A" "A" "A" "T" "G" " " "G" "G" "A" "A" "T" "C" "T" "G" "G" "A" "G"
## [26353] "T" "A" "A" "A" "A" "G" "A" "C" "T" "G" "T" "G" "T" "T" "G" "T" "A" "T"
## [26371] "T" "A" "C" "A" "C" "A" "G" "T" "T" "A" "C" "T" "T" "C" "A" "C" "T" "T"
## [26389] "C" "A" "G" "A" "C" "T" "A" "T" "T" "A" "C" "C" "A" "G" "C" "T" "G" "T"
## [26407] "A" "C" "T" "C" "A" " " "A" "C" "T" "C" "A" "A" "T" "T" "G" "A" "G" "T"
  [26425] "A" "C" "A" "G" "A" "C" "A" "C" "T" "G" "G" "T" "G" "T" "T" "G" "A" "A"
## [26443] "C" "A" "T" "G" "T" "T" "A" "C" "C" "T" "T" "C" "T" "T" "C" "A" "T" "C"
  [26461] "T" "A" "C" "A" "A" "T" "A" "A" "A" "T" "T" "G" "T" "T" "G" "A" "T"
## [26479] "G" "A" "G" "C" " " "C" "T" "G" "A" "A" "G" "A" "A" "C" "A" "T" "G" "T"
## [26497] "C" "C" "A" "A" "A" "T" "T" "C" "A" "C" "A" "C" "A" "A" "T" "C" "G" "A"
## [26515] "C" "G" "G" "T" "T" "C" "A" "T" "C" "G" "G" "A" "G" "T" "T" "G" "T"
          "T" "A" "A" "T" "C" "C" "A" "G" "T" "A" "A" "T" "G" "G" "A" "A" "C" "C"
  [26533]
  [26551] "A" "A" "T" " "T" "T" "A" "T" "G" "A" "T" "G" "A" "A" "A" "C" "C" "G" "A"
  [26569] "C" "G" "A" "C" "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "G" "T" "G" "C"
## [26587] "C" "T" "T" "T" "G" "T" "A" "A" "G" "C" "A" "C" "A" "A" "G" "C" "T" "G"
## [26605] "A" "T" "G" "A" "G" "T" "A" "C" "G" "A" "A" "C" "T" "T" "A" "T" "G" "T"
## [26623] "A" "C" " "T" "C" "A" "T" "T" "C" "G" "T" "T" "T" "C" "G" "G" "A" "A"
## [26659] "G" "T" "T" "A" "A" "T" "A" "G" "C" "G" "T" "A" "C" "T" "T" "C" "T" "T"
  [26677] "T" "T" "T" "C" "T" "T" "G" "C" "T" "T" "T" "C" "G" "T" "G" "G" "T" "A"
##
  [26695] "T" " "T" "C" "T" "T" "G" "C" "T" "A" "G" "T" "A" "G" "T" "A" "C" "A" "C" "T"
## [26713] "A" "G" "C" "C" "A" "T" "C" "C" "T" "T" "A" "C" "T" "G" "C" "G" "C" "T"
  [26731] "T" "C" "G" "A" "T" "T" "G" "T" "G" "T" "G" "C" "G" "T" "A" "C" "T" "G"
## [26749] "C" "T" "G" "C" "A" "A" "T" "A" "T" "T" "G" "T" "T" "A" "A" "C" "G" "T"
## [26767] " " "G" "A" "G" "T" "C" "T" "T" "G" "T" "A" "A" "A" "A" "C" "C" "T" "T"
## [26785] "C" "T" "T" "T" "T" "A" "C" "G" "T" "T" "A" "C" "T" "C" "T" "C"
   [26803] "G" "T" "G" "T" "T" "A" "A" "A" "A" "A" "T" "C" "T" "G" "A" "A" "T" "T"
  [26821] "C" "T" "T" "C" "T" "A" "G" "A" "G" "T" "T" "C" "C" "T" "G" "A" "T" "
  [26839] "C" "T" "T" "C" "T" "G" "G" "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "A" "C"
          "T" "A" "A" "A" "T" "A" "T" "A" "T" "A" "T" "A" "T" "A" "G" "T" "T" "T"
  [26857]
          "T" "T" "C" "T" "G" "T" "T" "T" "G" "G" "A" "A" "C" "T" "T" "T" "A" "A"
  [26875]
## [26893] "T" "T" "T" "T" "A" "G" "C" "C" "A" "T" "G" "G" "C" "A" "G" "A" " "T"
## [26911] "T" "C" "C" "A" "A" "C" "G" "G" "T" "A" "C" "T" "A" "T" "T" "A" "C" "C"
## [26929] "G" "T" "T" "G" "A" "A" "G" "A" "G" "C" "T" "T" "A" "A" "A" "A" "A" "A" "G"
```

```
## [26947] "C" "T" "C" "C" "T" "T" "G" "A" "A" "C" "A" "A" "T" "G" "G" "A" "A" "C"
  [26965] "C" "T" "A" "G" "T" "A" "A" "T" "A" "G" "G" "T" "T" "T" "T" "C" " " "C" "T"
  [26983] "A" "T" "T" "C" "C" "T" "T" "A" "C" "A" "T" "G" "G" "A" "T" "T" "T" "T" "G"
## [27001] "T" "C" "T" "T" "C" "T" "A" "C" "A" "A" "T" "T" "T" "G" "C" "C" "T" "A"
## [27019] "T" "G" "C" "C" "A" "A" "C" "A" "G" "G" "A" "A" "T" "A" "G" "G" "T" "T"
## [27055] "T" "A" "A" "T" "T" "T" "T" "C" "C" "T" "C" "T" "G" "G" "C" "T" "G" "T"
## [27073] "T" "A" "T" "G" "G" "C" "C" "A" "G" "T" "A" "A" "C" "T" "T" "T" "A" "G"
## [27091] "C" "T" "T" "G" "T" "T" "T" "T" "G" "T" "G" "C" "T" "T" "G" "C" "T" "G"
## [27109] "C" "T" "G" "T" "T" "T" "A" "C" "A" "G" "A" "A" "T" " " "A" "A" "A" "T"
  [27127] "T" "G" "G" "A" "T" "C" "A" "C" "C" "G" "G" "T" "G" "G" "A" "A" "A" "T" "T"
## [27145] "G" "C" "T" "A" "T" "C" "G" "C" "A" "A" "T" "G" "G" "C" "T" "T" "G" "T"
## [27163] "C" "T" "T" "G" "T" "A" "G" "C" "T" "T" "G" "A" "T" "G" "T" "G" "G"
## [27181] "C" "T" "C" "A" "G" "C" "T" "A" "C" "T" "T" "C" " " "A" "T" "T" "G" "C"
## [27199] "T" "T" "C" "T" "T" "C" "A" "G" "A" "C" "T" "G" "T" "T" "T" "G" "C"
## [27217] "G" "C" "G" "T" "A" "C" "G" "C" "G" "T" "T" "C" "C" "A" "T" "G" "T" "G"
## [27235] "G" "T" "C" "A" "T" "T" "C" "A" "A" "C" "C" "A" "G" "A" "A" "A" "A" "C"
## [27253] "T" "A" "A" "C" "A" "T" "T" "C" "T" "T" "C" " " "T" "C" "A" "A" "C" "G"
## [27271] "T" "G" "C" "C" "A" "C" "T" "C" "C" "A" "T" "G" "G" "C" "A" "C" "T" "A"
## [27289] "T" "T" "C" "T" "G" "A" "C" "C" "A" "G" "A" "C" "C" "G" "C" "T" "T" "C"
## [27307] "T" "A" "G" "A" "A" "A" "G" "T" "G" "A" "A" "C" "T" "C" "G" "T" "A" "A"
## [27325] "T" "C" "G" "G" "A" "G" "C" "T" "G" "T" " "G" "A" "T" "C" "C" "T" "T"
## [27343] "C" "G" "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "C" "G" "T" "A" "T" "T"
## [27361] "G" "C" "T" "G" "G" "A" "C" "A" "C" "A" "T" "C" "T" "A" "G" "G" "A"
## [27379] "C" "G" "C" "T" "G" "T" "G" "A" "C" "A" "T" "C" "A" "A" "G" "G" "A" "C"
## [27415] "T" "G" "T" "T" "G" "C" "T" "A" "C" "A" "T" "C" "A" "C" "G" "A" "A" "C"
## [27433] "G" "C" "T" "T" "T" "C" "T" "T" "A" "T" "A" "C" "A" "A" "A" "A" "T" "T"
## [27451] "G" "G" "G" "A" "G" "C" "T" "T" "C" "G" "C" "A" "G" "C" "G" "T" "G" "T"
## [27469] "A" "G" "C" "A" "G" "G" "T" "G" " " "A" "C" "T" "C" "A" "G" "G" "T" "T"
## [27487] "T" "T" "G" "C" "T" "G" "C" "A" "T" "A" "C" "A" "G" "T" "C" "G" "C" "T"
## [27505] "A" "C" "A" "G" "G" "A" "T" "T" "G" "G" "C" "A" "A" "C" "T" "A" "T" "A"
## [27523] "A" "A" "T" "T" "A" "A" "C" "A" "C" "A" "G" "A" "C" "C" "A" "T" "T"
## [27541] "C" "C" "A" "G" "T" "A" "G" " " "C" "A" "G" "T" "G" "A" "C" "A" "A" "T"
## [27559] "A" "T" "T" "G" "C" "T" "T" "G" "C" "T" "T" "G" "C" "T" "A" "C" "A" "G"
## [27577] "T" "A" "A" "G" "T" "G" "A" "C" "A" "C" "A" "G" "A" "T" "G" "T" "T"
## [27595] "T" "C" "A" "T" "C" "T" "C" "G" "T" "T" "G" "A" "C" "T" "T" "T" "C" "A"
## [27613] "G" "G" "T" "T" "A" "C" " " "T" "A" "T" "A" "G" "C" "A" "G" "A" "G" "A"
## [27649] "G" "G" "A" "C" "T" "T" "T" "T" "A" "A" "A" "G" "T" "T" "T" "C" "C" "A"
## [27667] "T" "T" "T" "G" "G" "A" "A" "T" "C" "T" "T" "G" "A" "T" "T" "A" "C" "A"
## [27685] "T" "C" "A" "T" "A" " " "A" "A" "C" "C" "T" "C" "A" "T" "A" "A" "T" "T"
## [27703] "A" "A" "A" "A" "A" "T" "T" "T" "A" "T" "C" "T" "A" "A" "G" "T" "C" "A"
## [27721] "C" "T" "A" "A" "C" "T" "G" "A" "G" "A" "A" "T" "A" "A" "A" "T" "A" "T" "A" "T"
## [27739] "T" "C" "T" "C" "A" "A" "T" "T" "A" "G" "A" "T" "G" "A" "A" "G" "A" "G"
## [27757] "C" "A" "A" "C" " "C" "A" "A" "T" "G" "G" "A" "G" "A" "T" "T" "G" "A"
## [27775] "T" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "T" "G" "A" "A" "A" "A" "T"
## [27793] "T" "A" "T" "T" "C" "T" "T" "T" "C" "T" "T" "G" "G" "G" "C" "A" "C" "T"
## [27811] "G" "A" "T" "A" "A" "C" "A" "C" "T" "C" "G" "C" "T" "A" "C" "T" "T" "G"
## [27829] "T" "G" "A" " " "G" "C" "T" "T" "T" "A" "T" "C" "A" "C" "T" "A" "C" "C"
## [27847] "A" "A" "G" "A" "G" "T" "G" "T" "G" "T" "A" "G" "A" "G" "A" "G" "G" "T" "A"
## [27865] "C" "A" "A" "C" "A" "G" "T" "A" "C" "T" "T" "T" "T" "A" "A" "A" "A" "A" "G"
## [27883] "A" "A" "C" "C" "T" "T" "G" "C" "T" "C" "T" "C" "T" "G" "G" "A" "A"
## [27901] "C" "A" " "T" "A" "C" "G" "A" "G" "G" "G" "C" "A" "A" "T" "T" "C" "A"
```

```
## [27919] "C" "C" "A" "T" "T" "C" "A" "T" "C" "C" "T" "C" "T" "A" "G" "C" "T"
  [27937] "G" "A" "T" "A" "A" "C" "A" "A" "A" "T" "T" "T" "G" "C" "A" "C" "T" "G"
  [27955] "A" "C" "T" "T" "G" "C" "T" "T" "T" "A" "G" "C" "A" "C" "T" "C" "A" "A"
  [27973] "T" " " "T" "T" "G" "C" "T" "T" "T" "T" "G" "C" "T" "T" "G" "T" "C" "T" "C" "C"
## [27991] "T" "G" "A" "C" "G" "G" "C" "G" "T" "A" "A" "A" "A" "C" "A" "C" "G" "T"
## [28009] "C" "T" "A" "T" "C" "A" "G" "T" "T" "A" "C" "G" "T" "G" "C" "C" "A" "G"
## [28027] "A" "T" "C" "A" "G" "T" "T" "T" "C" "A" "C" "C" "T" "A" "A" "A" "C" "T"
## [28045] " " "G" "T" "T" "C" "A" "T" "C" "A" "G" "A" "C" "A" "A" "G" "A" "G" "G"
  [28063] "A" "A" "G" "T" "T" "C" "A" "A" "G" "A" "A" "C" "T" "T" "T" "A" "C" "T"
  [28081] "C" "T" "C" "C" "A" "A" "T" "T" "T" "T" "T" "C" "T" "T" "A" "T" "T" "G"
  [28099] "T" "T" "G" "C" "G" "G" "C" "A" "A" "T" "A" "G" "T" "G" "T" "T" "T" "T" "
## [28117] "A" "T" "A" "A" "C" "A" "C" "T" "T" "G" "C" "T" "T" "C" "A" "C" "A"
  ## [28153] "T" "G" "A" "T" "T" "G" "A" "A" "C" "T" "T" "T" "C" "A" "T" "T" "A" "A"
## [28171] "T" "T" "G" "A" "C" "T" "T" "C" "T" "A" "T" "T" "T" "G" "T" "G" " " " "C"
## [28189] "T" "T" "T" "T" "T" "A" "G" "C" "C" "T" "T" "T" "C" "T" "G" "C" "T" "A"
  [28207] "T" "T" "C" "C" "T" "T" "G" "T" "T" "T" "A" "A" "A" "T" "A" "T" "G"
  [28225] "C" "T" "T" "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "T" "G" "G" "T" "T" "C"
## [28243] "T" "C" "A" "C" "T" "T" "G" "A" "A" "C" "T" "G" "C" "A" "A" " " "G" "A"
## [28261] "T" "C" "A" "T" "A" "A" "T" "G" "A" "A" "A" "C" "T" "T" "G" "T" "C" "A"
## [28279] "C" "G" "C" "C" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "T" "G" "A" "A"
## [28297] "A" "T" "T" "T" "C" "T" "T" "G" "T" "T" "T" "T" "T" "C" "T" "T" "A" "G" "G"
## [28315] "A" "A" "T" "C" "A" "T" "C" "A" "C" "A" "A" "C" "T" "G" " " "T" "A" "G"
## [28333] "C" "T" "G" "C" "A" "T" "T" "T" "C" "A" "C" "C" "A" "A" "G" "A" "A" "T"
## [28351] "G" "T" "A" "G" "T" "T" "T" "A" "C" "A" "G" "T" "C" "A" "T" "G" "T" "A" "T" "A"
  [28369] "C" "T" "C" "A" "A" "C" "A" "T" "C" "A" "A" "C" "C" "A" "T" "A" "T" "G"
## [28387] "T" "A" "G" "T" "T" "G" "A" "T" "G" "A" "C" "C" "C" " " "G" "T" "G" "T"
  [28405] "C" "C" "T" "A" "T" "T" "C" "A" "C" "T" "T" "C" "T" "A" "T" "T" "C" "T"
## [28423] "A" "A" "A" "T" "G" "G" "T" "A" "T" "A" "T" "A" "G" "A" "G" "A" "G" "T" "A"
## [28441] "G" "G" "A" "G" "C" "T" "A" "G" "A" "A" "A" "A" "T" "C" "A" "G" "C" "A"
## [28459] "C" "C" "T" "T" "T" "A" "A" "T" "T" "G" "A" "A" " " " "T" "T" "G" "T" "G"
          "C" "G" "T" "G" "G" "A" "T" "G" "A" "G" "G" "C" "T" "G" "G" "T" "T" "C"
  [28477]
  [28495] "T" "A" "A" "A" "T" "C" "A" "C" "C" "C" "A" "T" "T" "C" "A" "G" "T" "A"
## [28513] "C" "A" "T" "C" "G" "A" "T" "A" "T" "C" "G" "G" "T" "A" "A" "T" "T" "A"
## [28531] "T" "A" "C" "A" "G" "T" "T" "T" "C" "C" "T" " " "G" "T" "T" "T" "A" "C"
## [28549] "C" "T" "T" "T" "T" "A" "C" "A" "A" "T" "T" "A" "A" "T" "T" "G" "C" "C"
## [28567] "A" "G" "G" "A" "A" "C" "C" "T" "A" "A" "A" "T" "T" "G" "G" "G" "T" "A"
## [28585] "G" "T" "C" "T" "T" "G" "T" "A" "G" "T" "G" "C" "G" "T" "T" "T" "G" "T" "T"
## [28603] "C" "G" "T" "T" "C" "T" "A" "T" "G" "A" " " "A" "G" "A" "C" "T" "T" "T"
  [28621] "T" "T" "A" "G" "A" "G" "T" "A" "T" "C" "A" "T" "G" "A" "C" "G" "T" "T"
##
  ## [28657] "A" "T" "C" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A" "A" "A" "C" "T" "A"
## [28675] "A" "A" "A" "T" "G" "T" "C" "T" "G" " "A" "T" "A" "A" "T" "G" "G" "A"
## [28693] "C" "C" "C" "C" "A" "A" "A" "T" "C" "A" "G" "C" "G" "A" "A" "A" "T"
## [28711] "G" "C" "A" "C" "C" "C" "C" "G" "C" "A" "T" "T" "A" "C" "G" "T" "T" "T"
## [28729] "G" "G" "T" "G" "G" "A" "C" "C" "T" "C" "A" "G" "A" "T" "T" "C" "A"
  [28747] "A" "C" "T" "G" "G" "C" "A" "G" " " "T" "A" "A" "C" "C" "A" "G" "A" "A"
  [28765] "T" "G" "G" "A" "G" "A" "A" "C" "G" "C" "A" "G" "T" "G" "G" "G" "C"
  [28783] "G" "C" "G" "A" "T" "C" "A" "A" "A" "A" "C" "A" "A" "C" "G" "T" "C" "G"
## [28801] "G" "C" "C" "C" "C" "A" "A" "G" "G" "T" "T" "T" "A" "C" "C" "C" "A" "A"
          "T" "A" "A" "T" "A" "C" "T" " " "G" "C" "G" "T" "C" "T" "T" "G" "G" "T"
  [28819]
## [28837] "T" "C" "A" "C" "C" "G" "C" "T" "C" "T" "C" "A" "C" "T" "C" "A" "A" "C"
## [28855] "A" "T" "G" "G" "C" "A" "A" "G" "G" "A" "A" "G" "A" "C" "C" "T" "T" "A"
## [28873] "A" "A" "T" "T" "C" "C" "C" "T" "C" "G" "A" "G" "G" "A" "C" "A" "A" "G"
```

```
## [28891] "G" "C" "G" "T" "T" "C" " " "C" "A" "A" "T" "T" "A" "A" "C" "A" "C" "C"
  [28909] "A" "A" "T" "A" "G" "C" "A" "G" "T" "C" "A" "G" "A" "G" "A" "T" "G" "A" "C"
  [28927] "C" "A" "A" "A" "T" "T" "G" "G" "C" "T" "A" "C" "T" "A" "C" "C" "G" "A"
  ## [28963] "C" "G" "T" "G" "G" " "T" "G" "G" "T" "G" "A" "C" "G" "G" "T" "A" "A"
## [28981] "A" "A" "T" "G" "A" "A" "A" "G" "A" "T" "C" "T" "C" "A" "G" "T" "C" "C"
## [28999] "A" "A" "G" "A" "T" "G" "G" "T" "A" "T" "T" "T" "C" "T" "A" "C" "T" "A"
## [29017] "C" "C" "T" "A" "G" "G" "A" "A" "C" "T" "G" "G" "G" "C" "C" "A" "G" "A"
  [29035] "A" "G" "C" "T" " "G" "G" "A" "C" "T" "T" "C" "C" "C" "T" "A" "T" "G"
  [29053] "G" "T" "G" "C" "T" "A" "A" "C" "A" "A" "A" "G" "A" "C" "G" "G" "C" "A"
  [29071] "T" "C" "A" "T" "A" "T" "G" "G" "G" "T" "T" "G" "C" "A" "A" "C" "T" "G"
## [29089] "A" "G" "G" "G" "A" "G" "C" "C" "T" "T" "G" "A" "A" "T" "A" "C" "A" "C"
  [29107] "C" "A" "A" " " "A" "A" "G" "A" "T" "C" "A" "C" "A" "T" "T" "G" "G" "C"
## [29125] "A" "C" "C" "C" "G" "C" "A" "A" "T" "C" "C" "T" "G" "C" "T" "A" "A" "C"
## [29143] "A" "A" "T" "G" "C" "T" "G" "C" "A" "A" "T" "C" "G" "T" "G" "C" "T" "A"
## [29161] "C" "A" "A" "C" "T" "T" "C" "C" "T" "C" "A" "A" "G" "G" "A" "A" "C" "A"
  [29179] "A" "C" " " "A" "T" "T" "G" "C" "C" "A" "A" "A" "A" "G" "G" "C" "T" "T"
  [29197] "C" "T" "A" "C" "G" "C" "A" "G" "A" "A" "G" "G" "G" "A" "G" "C" "A" "G"
  [29215] "A" "G" "G" "C" "G" "G" "C" "A" "G" "T" "C" "A" "A" "G" "C" "C" "T" "C"
## [29233] "T" "T" "C" "T" "C" "G" "T" "T" "C" "C" "T" "C" "A" "T" "C" "A" "C" "G"
## [29251] "T" " "A" "G" "T" "C" "G" "C" "A" "A" "C" "A" "G" "T" "T" "C" "A" "A"
## [29269] "G" "A" "A" "A" "T" "T" "C" "A" "A" "C" "T" "C" "C" "A" "G" "G" "C" "A"
## [29287] "G" "C" "A" "G" "T" "A" "G" "G" "G" "G" "A" "A" "C" "T" "T" "C" "T" "C"
## [29305] "C" "T" "G" "C" "T" "A" "G" "A" "A" "T" "G" "G" "C" "T" "G" "G" "C" "A"
## [29323] " " "A" "T" "G" "G" "C" "G" "G" "T" "G" "A" "T" "G" "C" "T" "G" "C" "T"
  [29341] "C" "T" "T" "G" "C" "T" "T" "T" "G" "C" "T" "G" "C" "T" "G" "C" "T" "T"
## [29359] "G" "A" "C" "A" "G" "A" "T" "T" "G" "A" "A" "C" "C" "A" "G" "C" "T" "T"
  [29377] "G" "A" "G" "A" "G" "C" "A" "A" "A" "A" "T" "G" "T" "C" "T" "G" "G" " "
## [29413] "A" "G" "G" "C" "C" "A" "A" "A" "C" "T" "G" "T" "C" "A" "C" "T" "A" "A"
## [29431] "G" "A" "A" "A" "T" "C" "T" "G" "C" "T" "G" "C" "T" "G" "A" "G" "G" "C"
         "T" "T" "C" "T" "A" "A" "G" "A" "A" "G" "C" "C" "T" "C" "G" "G" "G" " "C"
  [29449]
## [29467] "A" "A" "A" "A" "A" "C" "G" "T" "A" "C" "T" "G" "C" "C" "A" "C" "T" "A"
## [29485] "A" "A" "G" "C" "A" "T" "A" "C" "A" "A" "T" "G" "T" "A" "A" "C" "A" "C"
## [29503] "A" "A" "G" "C" "T" "T" "T" "C" "G" "G" "C" "A" "G" "A" "C" "G" "T" "G"
## [29539] "G" "G" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "G" "A" "C" "C" "A" "G"
## [29575] "A" "C" "T" "G" "A" "T" "T" "A" "C" "A" "A" "A" "C" "A" "T" "T" "G" "G"
## [29593] "C" "C" "G" "C" "A" "A" "A" "T" "T" "G" "C" "A" "C" "A" " " "A" "T" "T"
## [29611] "T" "G" "C" "C" "C" "C" "C" "A" "G" "C" "G" "C" "T" "T" "C" "A" "G" "C"
## [29629] "G" "T" "T" "C" "T" "T" "C" "G" "G" "A" "A" "T" "G" "T" "C" "G" "C" "G"
## [29647] "C" "A" "T" "T" "G" "G" "C" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "C"
## [29665] "A" "C" "C" "T" "T" "C" "G" "G" "A" "A" "C" "G" " " " "T" "G" "G" "T"
## [29683] "T" "G" "A" "C" "C" "T" "A" "C" "A" "G" "G" "T" "G" "C" "C" "A"
## [29701] "T" "C" "A" "A" "A" "T" "T" "G" "G" "A" "T" "G" "A" "C" "A" "A" "A" "A" "G"
  [29719] "A" "T" "C" "C" "A" "A" "A" "T" "T" "T" "T" "C" "A" "A" "A" "G" "A" "T" "C"
## [29737] "A" "A" "G" "T" "C" "A" "T" "T" "T" "G" "C" " " "T" "G" "A" "A" "T"
  [29755] "A" "A" "G" "C" "A" "T" "A" "T" "G" "A" "C" "G" "C" "A" "T" "A" "C"
[29791] "G" "A" "G" "C" "C" "T" "A" "A" "A" "A" "A" "G" "G" "A" "C" "A" "A" "A"
## [29809] "A" "A" "G" "A" "A" "G" "A" "A" "G" "C" " "T" "G" "A" "T" "G" "A"
## [29827] "A" "A" "C" "T" "C" "A" "A" "G" "C" "C" "T" "T" "A" "C" "C" "G" "C" "A"
## [29845] "G" "A" "G" "A" "C" "A" "G" "A" "G" "A" "A" "A" "A" "A" "C" "A" "G" "C" "A"
```

```
[29881] "T" "G" "C" "T" "G" "C" "A" "G" "A" "T" " " "T" "T" "G" "G" "A" "T" "G"
## [29899] "A" "T" "T" "T" "C" "T" "C" "C" "A" "A" "A" "A" "A" "A" "T" "T" "G" "C"
## [29917] "A" "A" "C" "A" "A" "T" "C" "C" "A" "T" "G" "A" "G" "C" "A" "G" "T" "G"
## [29935] "C" "T" "G" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "G" "G" "C" "C" "T"
## [29953] "A" "A" "A" "C" "T" "C" "A" "T" "G" " " "C" "A" "G" "A" "C" "C" "A" "C"
## [29971] "A" "C" "A" "A" "G" "G" "C" "A" "G" "G" "G" "G" "G" "C" "T" "A" "T"
## [29989] "A" "T" "A" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G" "C" "T" "T" "T" "T" "T"
## [30007] "C" "C" "G" "T" "T" "T" "A" "C" "G" "A" "T" "A" "T" "A" "T" "A" "T" "A" "G" "T"
## [30025] "C" "T" "A" "C" "T" "C" "T" "T" " " "G" "T" "G" "C" "A" "G" "A" "A" "T"
## [30043] "G" "A" "A" "T" "T" "C" "T" "C" "G" "T" "A" "A" "C" "T" "A" "C" "A" "C" "A" "T"
## [30061] "A" "G" "C" "A" "C" "A" "A" "G" "T" "A" "G" "A" "T" "G" "T" "A" "G" "T"
## [30079] "T" "A" "A" "C" "T" "T" "A" "A" "A" "C" "T" "C" "A" "C" "A" "T" "A"
## [30097] "G" "C" "A" "A" "T" "C" "T" " "T" "A" "A" "T" "C" "A" "G" "T" "G"
## [30115] "T" "G" "T" "A" "A" "C" "A" "T" "T" "A" "G" "G" "G" "A" "G" "G" "A" "C"
## [30133] "T" "T" "G" "A" "A" "A" "G" "A" "G" "C" "C" "A" "C" "C" "A" "C" "A" "T"
## [30151] "T" "T" "C" "A" "C" "C" "G" "A" "G" "G" "C" "C" "A" "C" "G" "C" "G"
## [30169] "G" "A" "G" "T" "A" "C" " " "G" "A" "T" "C" "G" "A" "G" "T" "G" "T" "A"
## [30187] "C" "A" "G" "T" "G" "A" "A" "C" "A" "A" "T" "G" "C" "T" "A" "G" "G" "G"
## [30205] "A" "G" "A" "G" "C" "T" "G" "C" "C" "T" "A" "T" "A" "T" "G" "G" "A" "A"
## [30223] "G" "A" "G" "C" "C" "C" "T" "A" "A" "T" "G" "T" "G" "T" "A" "A" "A" "A" "A"
## [30241] "T" "T" "A" "A" "T" " "T" "T" "T" "A" "G" "T" "A" "G" "T" "G" "C" "T"
## [30259] "A" "T" "C" "C" "C" "C" "A" "T" "G" "T" "G" "A" "T" "T" "T" "T" "T" "A" "A"
## [30277] "T" "A" "G" "C" "T" "T" "C" "T" "T" "A" "G" "G" "A" "G" "A" "A" "T" "G"
## [30331] " "
print(paste("Longitud de secuencia"))
## [1] "Longitud de secuencia"
lengthWuhan
## [1] 30331
print(paste("Porcentaje de GC en secuencia"))
## [1] "Porcentaje de GC en secuencia"
percentageGC_Wuhan
## [1] "GC : 37.4369456991197%"
print(paste("Porcentaje de Bases en secuencia"))
## [1] "Porcentaje de Bases en secuencia"
percentageBasesWuhan
## [1] 29.94348 18.36605 19.60673 32.08374
print("Secuencia al reves")
## [1] "Secuencia al reves"
print(reverseWuhan)
      ##
```

##

```
[37] "A" "G" "T" "A" "A" "G" "A" "G" "G" "A" "T" "T" "C" "T" "T" "C" "G" "A"
##
      [55] "T" "A" "A" "T" "T" "T" "T" "A" "G" "T" "G" "T" "A" "C" "C" "C" "C" "T"
##
     ##
##
     [91] "T" "A" "A" "A" "A" "T" "G" "T" "G" "T" "A" "A" "T" "C" "C" "C" "G" "A"
     [109] "G" "A" "A" "G" "G" "T" "A" "T" "A" "T" "C" "C" "G" "T" "C" "G" "A" "G"
##
     [127] "A" "G" "G" "G" "A" "T" "C" "G" "T" "A" "A" "C" "A" "A" "G" "T" "G" "A"
##
     [145] "C" "A" "T" "G" "T" "G" "A" "G" "C" "T" "A" "G" " " "C" "A" "T" "G" "A"
##
     [163] "G" "G" "C" "G" "C" "A" "C" "C" "G" "G" "A" "G" "C" "C" "A" "C" "T" "T"
##
     [181] "T" "T" "A" "C" "A" "C" "C" "A" "C" "C" "G" "A" "G" "A" "A" "A" "A" "A" "G" "T"
##
     [199] "T" "C" "A" "G" "G" "A" "G" "G" "G" "A" "T" "T" "A" "C" "A" "A" "T" "G"
##
     [217] "T" "G" "T" "G" "A" "C" "T" "A" "A" "T" "T" " " "T" "C" "T" "A" "A" "C"
##
     [235] "G" "A" "T" "A" "C" "A" "C" "T" "C" "T" "A" "A" "T" "T" "T" "C" "A" "A"
##
     [253] "T" "T" "G" "A" "T" "G" "T" "A" "G" "A" "T" "G" "A" "A" "C" "A" "C" "G"
##
     [271] "A" "T" "A" "C" "A" "T" "C" "A" "A" "T" "G" "C" "T" "C" "T" "T" "A" "A"
##
##
     [289] "G" "T" "A" "A" "G" "A" "C" "G" "T" "G" " " "T" "T" "C" "T" "C" "A" "T"
     [307] "C" "T" "G" "A" "T" "A" "T" "A" "T" "A" "G" "C" "A" "T" "T" "T" "T" "G" "C"
##
##
     [325] "C" "T" "T" "T" "T" "C" "G" "C" "T" "T" "T" "T" "G" "C" "A" "A" "A" "T"
     [343] "A" "T" "A" "T" "C" "G" "G" "G" "T" "A" "G" "A" "C" "G" "G" "A" "A" "C"
##
     [361] "A" "C" "A" "C" "C" "A" "G" "A" "C" " " "G" "T" "A" "C" "T" "C" "A" "A"
##
     [379] "A" "T" "C" "C" "G" "G" "A" "C" "T" "C" "A" "A" "C" "T" "C" "A" "G" "T"
##
     [397] "C" "G" "T" "G" "A" "C" "G" "A" "G" "T" "A" "C" "C" "T" "A" "A" "A" "C" "A"
##
     [415] "A" "C" "G" "T" "T" "A" "A" "C" "A" "A" "A" "C" "C" "T" "C" "T" "T" "T"
##
    [433] "A" "G" "T" "A" "G" "G" "T" "T" " " "T" "A" "G" "A" "C" "G" "T" "C" "G"
##
     [451] "T" "C" "C" "T" "T" "C" "T" "T" "C" "T" "C" "A" "G" "T" "G" "T" "C" "A"
##
     [469] "A" "A" "C" "G" "A" "C" "A" "A" "A" "G" "A" "A" "G" "A" "C" "A" "C" "A" "G" "A"
##
     [487] "G" "A" "C" "G" "C" "C" "A" "T" "T" "C" "C" "G" "A" "A" "C" "T" "C" "A"
     ##
     [523] "A" "A" "A" "A" "C" "A" "G" "G" "A" "A" "A" "A" "A" "T" "C" "C" "G" "A"
##
     ##
     [559] "A" "C" "A" "T" "A" "C" "G" "C" "A" "G" "T" "T" "A" "T" "A" "C" "G" "A"
     [577] "A" "T" "A" "A" "G" "T" " " "C" "G" "T" "T" "T" "T" "A" "C" "T" "G" "A"
##
##
     [595] "A" "C" "T" "A" "G" "A" "A" "A" "C" "T" "T" "T" "A" "A" "A" "C" "C" "T"
     [613] "A" "G" "A" "A" "A" "C" "A" "G" "T" "A" "G" "G" "T" "T" "A" "A" "A" "A" "C"
##
     [631] "T" "A" "C" "C" "G" "T" "G" "G" "A" "C" "A" "C" "A" "T" "C" "C" "A" "G"
##
     [649] "T" "T" "G" "G" "T" " " "G" "C" "A" "A" "G" "G" "G" "C" "T" "T" "C" "C"
##
     [667] "A" "C" "A" "C" "T" "G" "A" "A" "G" "G" "T" "A" "C" "G" "G" "T" "T" "A"
##
     [685] "C" "G" "C" "G" "C" "T" "G" "T" "A" "A" "G" "G" "C" "T" "T" "C" "T" "T"
##
##
     [703] "G" "C" "G" "A" "C" "T" "T" "C" "G" "C" "G" "A" "C" "C" "C" "C" "C" "C" "G"
    [721] "T" "T" "A" "A" "A" "C" "A" "C" "G" "T" "T" "A" "A" "A" "A" "C" "G" "C"
##
     [739] "C" "G" "G" "T" "T" "A" "C" "A" "A" "A" "C" "A" "T" "T" "A" "G" "T" "C"
##
     [757] "A" "A" "G" "G" "A" "A" "C" "A" "G" "A" "C" "T" "A" "A" "T" "C" "A" "A"
##
     [775] "G" "G" "A" "C" "C" "A" "G" "G" "G" "G" "T" "T" "T" "T" "A" "A" "A" "A" "G"
##
     ##
     [811] "G" "G" "T" "G" "C" "A" "G" "A" "C" "G" "G" "C" "T" "T" "T" "C" "G" "A"
##
     [829] "A" "C" "A" "C" "A" "A" "T" "G" "T" "A" "A" "C" "A" "T" "A" "C" "G" "A"
##
     [847] "A" "A" "T" "C" "A" "C" "C" "G" "T" "C" "A" "T" "G" "C" "A" "A" "A" "A" "A"
##
     [865] "A" "C" " " "G" "G" "C" "T" "C" "C" "G" "A" "A" "G" "A" "A" "T" "C" "T"
##
     [883] "T" "C" "G" "G" "A" "G" "T" "C" "G" "T" "C" "G" "T" "C" "T" "A" "A" "A"
##
     [901] "G" "A" "A" "T" "C" "A" "C" "T" "G" "T" "C" "A" "A" "A" "A" "C" "C" "G" "G"
##
     ##
     [937] "T" " "G" "G" "T" "C" "T" "G" "T" "A" "A" "A" "A" "C" "G" "A" "G" "A"
##
     [955] "G" "T" "T" "C" "G" "A" "C" "C" "A" "A" "G" "T" "T" "A" "G" "A" "C" "A"
##
     [973] "G" "T" "T" "C" "G" "T" "C" "G" "T" "C" "G" "T" "T" "T" "C" "G" "T" "T"
##
     [991] "C" "T" "C" "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "C" "G" "G" "T" "A"
##
```

```
[1009] " " "A" "C" "G" "G" "T" "C" "G" "G" "T" "A" "A" "G" "A" "T" "C" "G" "T"
    [1027] "C" "C" "T" "C" "T" "T" "C" "A" "A" "G" "G" "G" "G" "G" "A" "T" "G" "A" "C"
##
    [1045] "G" "A" "C" "G" "G" "A" "C" "C" "T" "C" "A" "A" "C" "T" "T" "A" "A" "A"
##
    [1063] "G" "A" "A" "C" "T" "T" "G" "A" "C" "A" "A" "C" "G" "C" "T" "G" "A" " "
    [1081] "T" "G" "C" "A" "C" "T" "A" "C" "T" "C" "C" "T" "T" "G" "C" "T" "C" "T"
    [1099] "T" "C" "T" "C" "C" "G" "A" "A" "C" "T" "G" "A" "C" "G" "G" "G" "C" "G" "G"
##
    [1117] "A" "G" "A" "C" "G" "A" "G" "G" "A" "A" "G" "A" "C" "G" "A" "T"
    [1135] "C" "T" "T" "C" "G" "G" "A" "A" "A" "A" "C" "C" "G" "T" "T" "A" " " "C"
##
    [1153] "A" "A" "C" "A" "A" "G" "G" "A" "A" "C" "T" "C" "C" "T" "T" "C" "A" "A"
    [1171] "C" "A" "T" "C" "G" "T" "G" "C" "T" "A" "A" "C" "G" "T" "C" "G" "T" "A"
##
    [1189] "A" "C" "A" "A" "T" "C" "G" "T" "C" "C" "T" "A" "A" "C" "G" "C" "C" "C"
    ##
    [1225] "C" "C" "A" "C" "A" "T" "A" "A" "G" "T" "T" "C" "C" "G" "A" "G" "G" "G"
    [1243] "A" "G" "T" "C" "A" "A" "C" "G" "T" "T" "G" "G" "G" "T" "A" "T" "A" "C"
##
    [1261] "T" "A" "C" "G" "G" "C" "A" "G" "A" "A" "A" "C" "A" "A" "T" "C" "G" "T"
    [1279] "G" "G" "T" "A" "T" "C" "C" "C" "T" "T" "C" "A" "G" "G" " " "T" "C" "G"
##
##
    [1297] "A" "A" "G" "A" "C" "C" "G" "G" "G" "T" "C" "A" "A" "G" "G" "A" "T" "C"
    [1315] "C" "A" "T" "C" "A" "T" "C" "T" "T" "A" "T" "G" "G" "T" "A" "G" "A"
##
    [1333] "A" "C" "C" "T" "G" "A" "C" "T" "C" "T" "A" "G" "A" "A" "A" "A" "G" "T" "A"
    [1351] "A" "A" "A" "T" "G" "G" "C" "A" "G" "T" "G" "G" "T" " " "G" "G" "T" " "G"
##
    [1369] "C" "T" "T" "A" "A" "G" "C" "A" "G" "A" "C" "C" "A" "T" "C" "G" "A" "G"
##
    [1387] "A" "A" "G" "C" "C" "A" "T" "C" "A" "T" "C" "G" "G" "T" "T" "A" "A" "A" "A"
##
    [1405] "C" "C" "A" "G" "T" "A" "G" "A" "C" "C" "T" "G" "A" "C" "G" "A" "T" "A"
##
    [1423] "A" "C" "C" "A" "C" "A" "A" "T" "T" "A" "A" "C" " " "C" "T" "T" "G" "C"
    [1441] "G" "G" "A" "A" "C" "A" "G" "G" "A" "G" "C" "T" "C" "C" "C" "C" "T" "T" "A"
##
    [1459] "A" "A" "T" "T" "C" "C" "A" "G" "A" "A" "G" "G" "A" "A" "A" "C" "G" "G" "T"
    [1477] "A" "C" "A" "A" "C" "T" "C" "A" "C" "T" "C" "T" "C" "G" "C" "C" "A" "C"
    [1495] "T" "T" "G" "G" "T" "T" "C" "T" "G" "C" "G" " " "T" "C" "A" "T" "A" "A"
    [1513] "T" "A" "A" "C" "C" "C" "A" "T" "T" "T" "G" "G" "A" "A" "C" "C" "C" "C" "C"
##
    [1531] "G" "G" "C" "T" "G" "C" "A" "A" "C" "A" "A" "A" "A" "A" "C" "T" "A" "G" "C"
    [1549] "G" "C" "G" "G" "G" "G" "T" "G" "A" "C" "G" "C" "A" "A" "G" "A" "G" "G"
##
##
    Γ1567]
          "T" "A" "A" "G" "A" "C" "C" "A" "A" "T" " " "G" "A" "C" "G" "G" "T" "C"
    [1585] "A" "A" "C" "T" "T" "A" "G" "A" "C" "T" "C" "C" "C" "A" "G" "G" "T" "G"
##
    [1603] "G" "T" "T" "T" "G" "C" "A" "T" "T" "A" "C" "G" "C" "C" "C" "C" "A" "C"
##
    [1621] "G" "T" "A" "A" "A" "G" "C" "G" "A" "C" "T" "A" "A" "A" "A" "A" "C" "C" "C"
##
    [1639] "C" "A" "G" "G" "T" "A" "A" "T" "A" " " "G" "T" "C" "T" "G" "T" "A" "A"
##
    ##
##
    [1675] "A" "C" "T" "T" "T" "A" "G" "A" "T" "T" "T" "T" "G" "T" "T" "G" "T" "G"
    [1693] "C" "T" "T" "G" "C" "A" "G" "T" "A" "C" "T" "A" "T" "G" "A" "G" "A" "T"
##
    [1711] "T" "T" "T" "T" "C" "A" "G" "A" " " "A" "G" "T" "A" "T" "C" "T" "T" "G"
##
    [1729] "C" "T" "T" "G" "T" "T" "G" "C" "G" "T" "G" "A" "T" "G" "T" "T" "C" "T"
    [1747] "G" "A" "T" "G" "G" "G" "T" "T" "A" "A" "A" "T" "C" "C" "A" "A" "A" "G" "G"
##
    [1765] "A" "C" "C" "G" "T" "T" "A" "A" "T" "T" "A" "A" "C" "A" "T" "T" "T" "T"
    [1783] "C" "C" "A" "T" "T" "T" "G" " " "T" "C" "C" "T" "T" "T" "G" "A" "C" "A"
##
    [1801] "T" "A" "T" "T" "A" "A" "T" "G" "G" "C" "T" "A" "T" "A" "G" "C" "T" "A"
    [1819] "C" "A" "T" "G" "A" "C" "T" "T" "A" "C" "C" "C" "A" "C" "T" "A" "A" "A"
##
    [1837] "T" "C" "T" "T" "G" "G" "T" "C" "G" "G" "A" "G" "T" "A" "G" "G" "T" "G"
##
    [1855] "C" "G" "T" "G" "T" "T" " " "A" "A" "G" "T" "T" "A" "A" "A" "T" "T" "T" "C"
##
    [1873] "C" "A" "C" "G" "A" "C" "T" "A" "A" "A" "A" "G" "A" "T" "C" "G" "A" "G"
    [1891] "G" "A" "T" "G" "A" "G" "A" "T" "T" "A" "T" "A" "T" "G" "G" "T" "A" "A"
##
    [1909] "A" "T" "C" "T" "T" "A" "T" "C" "T" "T" "C" "A" "C" "T" "T" "A" "T" "C"
##
    [1927] "C" "T" "G" "T" "G" " "C" "C" "C" "A" "G" "T" "A" "G" "T" "T" "G" "A"
##
    [1945] "T" "G" "T" "A" "T" "A" "C" "C" "A" "A" "C" "T" "A" "C" "A" "A" "C" "T"
##
    [1963] "C" "A" "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "T" "T" "T" "G" "A" "T"
##
```

```
[1981] "G" "T" "A" "A" "G" "A" "A" "C" "C" "A" "C" "T" "T" "T" "A" "C" "G" "T"
   [1999] "C" "G" "A" "T" " " "G" "T" "C" "A" "A" "C" "A" "C" "T" "A" "C" "T" "A"
##
   [2017] "A" "G" "G" "A" "T" "T" "C" "T" "T" "T" "T" "G" "T" "T" "C" "T" "T" "T"
##
   ##
   [2053] "C" "A" "C" "T" "G" "T" "T" "C" "A" "A" "A" "G" "T" "A" "A" "A" "T" "A" "C"
   [2071] "T" "A" "G" " " "A" "A" "C" "G" "T" "C" "A" "A" "G" "T" "T" "C" "A" "C"
##
   [2089] "T" "C" "T" "T" "G" "G" "T" "T" "T" "T" "C" "T" "A" "T" "T" "A" "T" "T"
   ##
   [2125] "T" "A" "T" "C" "G" "T" "C" "T" "T" "T" "C" "C" "G" "A" "T" "T" "T" "T"
   [2143] "T" "C" " "G" "T" "G" "T" "T" "T" "A" "T" "C" "T" "T" "C" "A" "G" "T"
##
   [2161] "T" "A" "A" "T" "T" "A" "C" "T" "T" "T" "C" "A" "A" "G" "T" "T" "A" "G"
   ##
   [2197] "C" "A" "C" "A" "C" "T" "T" "C" "G" "T" "T" "T" "C" "A" "A" "A" "T"
   [2215] "A" " "T" "T" "T" "G" "T" "G" "A" "T" "A" "A" "C" "G" "G" "C" "G" "T"
##
   [2233] "T" "G" "T" "T" "A" "T" "T" "C" "T" "T" "T" "T" "T" "A" "A" "C" "C" "T"
   [2251] "C" "T" "C" "A" "T" "T" "T" "C" "A" "A" "G" "A" "A" "C" "T" "T" "G" "A"
##
##
   [2269] "A" "G" "G" "A" "G" "A" "C" "A" "G" "A" "C" "T" "A" "C" "T" "A" "G"
   [2287] " " "T" "C" "A" "A" "A" "T" "C" "C" "A" "C" "T" "T" "T" "T" "G" "A" "C" "T"
##
   [2305] "A" "G" "A" "C" "C" "G" "T" "G" "C" "A" "T" "T" "G" "A" "C" "T" "A" "T"
##
   [2323] "C" "T" "G" "C" "A" "C" "A" "A" "A" "A" "T" "G" "C" "G" "G" "C" "A" "G"
##
   ##
   [2359] "T" "A" "A" "C" "T" "C" "A" "C" "G" "A" "T" "T" "T" "C" "G" "T" "T" "C"
##
   [2377] "A" "G" "T" "C" "A" "C" "G" "T" "T" "T" "A" "A" "A" "C" "A" "A" "T" "A"
##
   [2395] "G" "T" "C" "G" "A" "T" "C" "T" "C" "C" "T" "A" "C" "T" "T" "T" "A" "C"
   [2413] "C" "A" "C" "T" "T" "A" "A" "C" "G" "G" "G" "A" "G" "C" "A" "T" " " "A"
##
   [2431] "C" "A" "A" "G" "G" "T" "C" "T" "T" "C" "T" "C" "G" "T" "T" "C" "C" "A"
   [2449] "A" "G" "A" "A" "A" "A" "T" "T" "T" "T" "C" "A" "T" "G" "A" "C" "A" "A"
##
   [2467] "C" "A" "T" "G" "G" "A" "G" "A" "T" "T" "G" "T" "G" "T" "G" "A" "G" "A"
   [2485] "A" "C" "C" "A" "T" "C" "A" "C" "T" "A" "T" "T" "T" "C" "G" " " "A" "G"
##
   [2503] "T" "G" "T" "T" "C" "A" "T" "C" "G" "C" "T" "C" "A" "C" "A" "A" "T" "A"
   ##
##
   [2539]
         "T" "T" "A" "A" "A" "A" "G" "T" "A" "C" "A" "A" "G" "C" "A" "A" "A" "T"
   [2557] "T" "A" "G" "T" "T" "A" "G" "A" "G" "G" "T" "A" "A" "C" " " "C" "A" "A"
##
   [2575] "C" "G" "A" "G" "A" "G" "T" "A" "G" "A" "T" "T" "A" "A" "T" "A" "A" "C" "T" "C"
##
   [2593] "T" "T" "A" "T" "A" "A" "A" "T" "A" "G" "A" "G" "T" "C" "A" "A" "T"
##
   ##
   [2629] "A" "T" "T" "A" "A" "T" "A" "C" "T" "C" "C" "A" "A" "A" " " "A" "T" "A" "C"
##
##
   [2647] "T" "A" "C" "A" "T" "T" "A" "G" "T" "T" "C" "T" "A" "A" "G" "G" "T" "T"
   [2665] "T" "A" "C" "C" "T" "T" "T" "G" "A" "A" "A" "T" "T" "T" "T" "T" "C" "A" "G"
##
   [2683] "G" "A" "G" "T" "A" "T" "T" "A" "T" "A" "A" "T" "C" "A" "T" "T" "A"
##
   [2701] "T" "A" "G" "A" "G" "A" "C" "G" "A" "T" "A" "T" " " "C" "A" "T" "T" "G"
   [2719] "G" "A" "C" "T" "T" "T" "C" "A" "G" "T" "T" "G" "C" "T" "C" "T" "A" "C"
##
   [2737]
         "T" "T" "T" "G" "T" "A" "G" "A" "C" "A" "A" "C" "A" "G" "T" "G" "A" "A"
##
   [2755] "T" "G" "A" "C" "A" "T" "G" "T" "T" "C" "G" "T" "T" "T" "C" "G" "T" "T"
   [2773] "A" "T" "A" "A" "C" "A" "G" "T" "G" "A" "C" " " "G" "A" "T" "G" "A" "C"
   [2791] "C" "T" "T" "A" "C" "C" "A" "G" "A" "C" "A" "C" "A" "A" "A" "A" "T" "T" "A"
##
   [2809] "A" "A" "T" "A" "T" "C" "A" "A" "C" "G" "G" "T" "T" "A" "G" "G" "A" "C"
##
   [2827] "A" "T" "C" "G" "C" "T" "G" "A" "C" "A" "T" "A" "C" "G" "T" "C" "G" "T"
##
   [2845] "T" "T" "T" "G" "G" "A" "C" "T" "C" "A" " " "G" "T" "G" "G" "A" "C" "G"
   [2863] "A" "T" "G" "T" "G" "C" "G" "A" "C" "G" "C" "T" "T" "C" "G" "A" "G" "G"
##
         "G" "T" "T" "A" "A" "A" "C" "A" "T" "T" "A" "T" "T" "C" "T" "T" "T" "C"
##
   Γ2881]
   [2899] "G" "C" "A" "A" "G" "C" "A" "C" "T" "A" "C" "A" "T" "C" "G" "T" "T" "G"
##
   ##
   [2935] "C" "C" "A" "G" "G" "A" "A" "C" "T" "A" "C" "A" "G" "T" "G" "T" "C" "G"
##
```

```
[2953] "C" "A" "G" "G" "A" "T" "C" "T" "A" "C" "C" "A" "C" "A" "G" "G" "T" "C"
   [2971] "G" "T" "T" "A" "T" "G" "C" "T" "T" "C" "T" "A" "C" "A" "G" "G" "T" "G"
##
   [2989] "C" "T" "T" "C" "C" "T" "A" "G" " " "T" "G" "T" "C" "G" "A" "G" "G" "C"
##
   [3007] "T" "A" "A" "T" "G" "C" "T" "C" "A" "A" "G" "T" "G" "A" "A" "A" "G" "A"
##
   [3025] "T" "C" "T" "T" "C" "G" "C" "C" "A" "G" "A" "C" "C" "A" "G" "T" "C" "T"
   [3043] "T" "A" "T" "C" "A" "C" "G" "G" "T" "A" "C" "C" "T" "C" "A" "C" "C" "G"
##
   [3061] "T" "G" "C" "A" "A" "C" "T" " "C" "T" "T" "C" "T" "T" "A" "C" "A" "A"
   [3079] "T" "C" "A" "A" "A" "G" "A" "C" "C" "T" "A" "A" "C" "T" "T" "A" "C" "T"
##
   [3097] "G" "G" "T" "G" "T" "A" "C" "C" "T" "T" "G" "C" "G" "C" "A" "T" "G" "C"
##
   [3115] "G" "C" "G" "T" "T" "T" "G" "T" "C" "A" "G" "A" "C" "T" "T" "T" "T" "C" "T"
##
   [3133] "T" "C" "G" "T" "T" "A" " " "C" "T" "T" "C" "A" "T" "C" "G" "A" "C" "T"
   [3151] "C" "G" "G" "T" "G" "T" "A" "G" "T" "T" "C" "G" "G" "A" "T" "G" "T" "T"
##
   [3169] "C" "T" "G" "T" "T" "C" "G" "G" "T" "A" "A" "C" "G" "C" "T" "A" "T" "C"
   [3187] "G" "T" "T" "A" "A" "G" "G" "T" "G" "G" "C" "C" "A" "C" "T" "A" "G" "G"
##
##
   ##
##
   [3241]
         "C" "G" "A" "T" "T" "T" "C" "A" "A" "T" "G" "A" "C" "C" "G" "G" "T" "A"
   ##
   [3277] "T" "T" "G" "A" " " "A" "T" "T" "A" "A" "T" "A" "T" "A" "T" "A" "T" "G" "T" "T"
##
   [3295] "T" "T" "T" "G" "G" "A" "T" "A" "A" "G" "G" "A" "C" "A" "A" "C" "C" "G"
##
   [3313] "T" "A" "T" "C" "C" "G" "T" "T" "T" "A" "A" "C" "A" "T" "C" "T" "T" "C"
##
   [3331] "T" "G" "T" "T" "T" "A" "G" "G" "T" "A" "C" "A" "T" "T" "C" "C" "T" "T"
##
   [3349] "A" "T" "C" " " "C" "T" "T" "T" "G" "G" "A" "T" "A" "A" "T" "G" "A" "T"
##
   [3367] "C" "C" "A" "A" "G" "G" "T" "A" "A" "C" "A" "A" "G" "T" "T" "C" "C" "T"
##
   [3385] "C" "G" "A" "A" "A" "A" "A" "T" "T" "C" "G" "A" "G" "A" "A" "G" "T" "T"
##
   [3403] "G" "C" "C" "A" "T" "T" "A" "T" "C" "A" "T" "G" "G" "C" "A" "A" "A" "C" "C"
   [3421] "T" "T" " "A" "G" "A" "C" "G" "G" "T" "A" "C" "C" "G" "A" "T" "T" "T"
##
   [3439] "T" "A" "A" "T" "T" "T" "C" "A" "A" "G" "G" "T" "T" "T" "G" "T" "C" "T"
   ##
   [3475] "T" "C" "A" "A" "G" "C" "A" "A" "A" "T" "C" "T" "G" "G" "T" "C" "T" "T"
   [3493] "C" " "T" "A" "G" "T" "C" "C" "T" "T" "G" "A" "G" "A" "T" "C" "T" "T"
##
         "C" "T" "T" "A" "A" "G" "T" "C" "T" "A" "A" "A" "A" "A" "T" "T" "T" "G" "T"
##
   [3511]
   [3529] "G" "C" "T" "C" "T" "C" "A" "T" "T" "T" "G" "C" "A" "T" "T" "T" "T" "T"
##
   [3547] "C" "T" "T" "C" "C" "A" "A" "A" "A" "T" "G" "T" "T" "C" "T" "G" "A" "G"
##
   [3565] " " "T" "G" "C" "A" "A" "T" "T" "G" "T" "T" "A" "T" "A" "A" "C" "G" "T"
##
   [3583] "C" "G" "T" "C" "A" "T" "G" "C" "G" "T" "G" "T" "G" "T" "T" "A" "G" "C"
##
   [3601] "T" "T" "C" "G" "C" "G" "T" "C" "A" "T" "T" "C" "C" "T" "A" "C" "C" "G"
##
##
   [3619] "A" "T" "C" "A" "C" "A" "T" "T" "G" "A" "T" "C" "G" "T" "T" "C" "T" "T" "C" "T" "
   [3637] "T" "A" "T" "G" "G" "T" "G" "C" "T" "T" "T" "C" "G" "T" "T" "C" "T" "T"
##
   [3655] "T" "T" "T" "C" "T" "T" "C" "A" "T" "G" "C" "G" "A" "T" "A" "A" "T" "T"
##
   [3673] "G" "A" "T" "A" "A" "T" "T" "G" "C" "A" "T" "G" "G" "A" "C" "A" "G" "A"
   [3691] "G" "A" "A" "G" "G" "C" "T" "T" "T" "G" "C" "T" "T" "A" "C" "T" " " "C"
##
   [3709] "A" "T" "G" "T" "A" "T" "T" "C" "A" "A" "G" "C" "A" "T" "G" "A" "G" "T"
##
   [3727] "A" "G" "T" "C" "G" "A" "A" "C" "A" "C" "G" "A" "A" "T" "G" "T" "T" "T"
   [3745] "C" "C" "G" "T" "G" "C" "G" "A" "T" "C" "A" "T" "C" "A" "G" "C" "A" "G"
   ##
         "A" "C" "C" "A" "A" "G" "G" "T" "A" "A" "T" "G" "A" "C" "C" "T" "A" "A"
##
   [3781]
   [3799] "T" "T" "G" "T" "T" "G" "A" "G" "G" "C" "C" "T" "A" "C" "T" "T" "G" "G"
##
   [3817] "C" "A" "G" "C" "T" "A" "A" "C" "A" "C" "A" "C" "T" "T" "A" "A" "A" "A" "C"
   [3835] "C" "T" "G" "T" "A" "C" "A" "A" "G" "A" "A" "G" "T" "C" " " "C" "G" "A"
##
         ##
   [3853]
   [3871] "T" "C" "T" "A" "C" "T" "T" "C" "T" "T" "C" "C" "A" "T" "T" "G" "T" "A"
##
   [3889] "C" "A" "A" "G" "T" "T" "G" "T" "G" "G" "T" "C" "A" "C" "A" "G" "A" "C"
##
   [3907] "A" "T" "G" "A" "G" "T" "T" "A" "A" "C" "T" "C" "A" " " "A" "C" "T" "C"
##
```

```
[3925] "A" "T" "G" "T" "C" "G" "A" "C" "C" "A" "T" "T" "A" "T" "C" "A" "G" "A"
    [3943] "C" "T" "T" "C" "A" "C" "T" "T" "C" "A" "T" "T" "G" "A" "C" "A" "C" "A"
##
    [3961] "T" "T" "A" "T" "G" "T" "T" "G" "T" "G" "T" "C" "A" "G" "A" "A" "A" "A" "A"
##
   [3979] "T" "G" "A" "G" "G" "T" "C" "T" "A" "A" "G" "G" " " "G" "T" "A" "A" "A"
   [3997] "A" "A" "G" "T" "C" "A" "T" "A" "T" "T" "G" "G" "T" "G" "G" "T" "T" "A"
##
   [4015] "G" "A" "C" "C" "A" "T" "C" "A" "G" "T" "A" "C" "A" "A" "G" "T" "A" "G" "T" "C" "T"
   [4033] "T" "T" "A" "T" "C" "C" "T" "G" "A" "A" "C" "A" "A" "C" "A" "C" "A" "C" "G" "G"
   [4051] "T" "A" "G" "T" "G" "G" "A" "C" "T" "T" "C" " " "A" "T" "T" "A" "T" "A" "C" "T"
##
    [4069] "G" "T" "T" "A" "A" "C" "T" "T" "C" "T" "T" "C" "A" "A" "T" "G" "T" "G"
   [4087] "A" "T" "A" "A" "C" "A" "T" "T" "C" "C" "A" "T" "A" "T" "G" "T" "T" "A"
##
   [4105] "T" "C" "A" "G" "C" "A" "T" "T" "G" "T" "T" "A" "A" "T" "C" "A" "T" "A"
   ##
   [4141] "A" "A" "C" "C" "G" "T" "A" "G" "T" "A" "T" "T" "T" "C" "A" "T" "T" "A"
   ##
   [4177] "A" "A" "G" "G" "T" "C" "G" "T" "T" "T" "C" "G" "G" "T" "T" "T" "C" "G"
   ##
##
   [4213] "T" "T" "C" "A" "A" "A" "T" "A" "T" "G" "A" "G" "A" "C" "G" "T" "T"
   [4231] "C" "T" "T" "C" "A" "T" "C" "T" "G" "A" "T" "T" "T" "T" "C" "G" "T" "A" "T"
##
   [4267] "A" "A" "G" "T" "T" "C" "C" "G" " " "G" "T" "C" "G" "T" "C" "G" "T" "T"
##
   [4285] "G" "C" "T" "C" "G" "T" "T" "T" "T" "C" "C" "A" "C" "A" "C" "T" "C" "A"
##
   [4303] "T" "T" "T" "G" "A" "C" "A" "A" "T" "G" "T" "T" "T" "G" "T" "T" "G" "T"
   [4321] "T" "G" "T" "C" "G" "T" "T" "C" "A" "A" "C" "G" "T" "T" "T" "G" "T" "T"
##
   [4339] "T" "C" "A" "C" "T" "T" "G" " "T" "G" "G" "G" "A" "A" "C" "C" "T" "C"
   [4357] "T" "C" "A" "C" "G" "A" "T" "C" "A" "A" "C" "G" "G" "T" "A" "G" "A" "G"
##
   [4375] "A" "A" "A" "A" "A" "C" "T" "C" "C" "C" "A" "A" "A" "T" "A" "C" "T" "A" "A"
   [4393] "A" "A" "C" "C" "T" "T" "C" "G" "C" "G" "A" "G" "A" "C" "T" "T" "T" "T"
   [4411] "T" "G" "T" "C" "G" "T" " "T" "C" "T" "T" "C" "A" "C" "G" "T" "T" "G"
   [4429] "C" "G" "G" "T" "T" "G" "T" "T" "A" "T" "T" "C" "G" "G" "T" "A" "G" "G"
##
   [4447] "C" "T" "T" "T" "C" "C" "C" "T" "C" "A" "C" "T" "C" "C" "G" "A" "A" "A" "C"
   [4465] "A" "T" "A" "G" "C" "C" "A" "T" "A" "G" "C" "A" "A" "C" "G" "T" "C" "A"
##
   [4483] "T" "C" "G" "C" "G" " " "C" "T" "T" "G" "T" "T" "T" "T" "T" "A" "G" "A" "C"
##
   [4501] "T" "T" "C" "C" "T" "C" "A" "T" "C" "G" "T" "A" "G" "G" "A" "A" "C" "T"
   [4519] "A" "A" "A" "G" "T" "G" "G" "A" "A" "C" "G" "A" "A" "G" "T" "T" "T" "C"
   [4537] "A" "A" "T" "G" "T" "C" "A" "A" "G" "G" "T" "T" "A" "A" "C" "A" "C" "T"
##
   [4555] "T" "C" "T" "A" " " "A" "G" "A" "G" "T" "A" "T" "T" "T" "T" "T" "T" "T"
##
   [4573] "A" "G" "G" "T" "A" "T" "T" "C" "A" "A" "G" "C" "A" "A" "A" "A" "C"
##
##
   [4591] "A" "C" "A" "T" "T" "A" "C" "A" "T" "A" "A" "A" "A" "C" "T" "G" "A" "G"
   [4609] "G" "A" "A" "A" "C" "T" "C" "G" "T" "G" "A" "C" "C" "G" "A" "G" "T" "C"
##
   [4627] "T" "C" "A" " "G" "C" "A" "G" "A" "A" "G" "T" "A" "G" "T" "T" "T" "A"
##
   [4645] "A" "A" "C" "G" "T" "C" "G" "T" "C" "C" "T" "A" "G" "G" "T" "G" "T" "T"
   [4663] "C" "T" "T" "G" "T" "T" "G" "T" "C" "G" "G" "G" "A" "A" "A" "C" "T" "C" "T"
   [4681] "G" "T" "T" "G" "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "C" "C" "A" "G"
   [4699] "T" "A" " "T" "G" "T" "C" "G" "T" "T" "T" "C" "G" "T" "A" "T" "A" "T" "A"
##
   [4717] "A" "C" "A" "G" "T" "G" "G" "T" "A" "A" "T" "G" "A" "T" "A" "C" "C" "G"
   [4735] "T" "T" "A" "G" "T" "T" "C" "G" "G" "T" "C" "G" "A" "T" "A" "T" "A" "T" "T" "T"
##
    [4753] "T" "G" "G" "A" "T" "C" "G" "G" "T" "T" "T" "A" "C" "A" "T" "G" "G" "T"
##
   [4771] "A" " "C" "C" "G" "G" "T" "A" "A" "A" "A" "T" "A" "T" "A" "T" "A" "T" "G" "A"
##
   [4789] "C" "G" "A" "G" "T" "A" "T" "G" "A" "A" "A" "G" "G" "T" "T" "C" "A" "A"
   [4807] "G" "A" "A" "C" "C" "T" "C" "T" "A" "G" "C" "T" "A" "C" "T" "C" "T" "C"
##
         "T" "A" "A" "G" "T" "A" "A" "A" "T" "T" "T" "A" "A" "G" "A" "A" "C" "C"
##
   [4825]
   [4843] " " "G" "T" "T" "G" "G" "A" "G" "T" "A" "A" "C" "T" "C" "C" "G" "C" "C"
##
   ##
   [4879] "A" "A" "A" "T" "G" "T" "T" "G" "A" "C" "T" "T" "C" "G" "T" "A" "A" "T"
##
```

```
[4897] "T" "A" "C" "G" "G" "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "G" "G" " "
    [4915] "A" "T" "T" "T" "A" "G" "T" "T" "G" "T" "A" "G" "A" "C" "C" "A" "C" "T"
##
    [4933] "A" "C" "A" "T" "A" "C" "T" "A" "A" "G" "A" "A" "T" "T" "T" "T" "T" "A" "T"
    [4951] "A" "A" "A" "T" "A" "G" "A" "T" "T" "G" "A" "G" "G" "A" "G" "G" "A" "G"
##
    [4969] "C" "T" "T" "A" "C" "T" "C" "A" "G" "A" "T" "T" "A" "A" "G" "T" " "C"
    [4987] "C" "A" "A" "C" "G" "T" "T" "T" "C" "C" "T" "A" "G" "T" "A" "T" "T" "T"
##
    [5005] "G" "A" "C" "A" "C" "A" "A" "C" "A" "A" "C" "T" "G" "T" "T" "A" "A" "G"
    ##
    [5041] "A" "T" "G" "G" "T" "C" "T" "G" "T" "G" "T" "T" "T" "A" "C" " " " "A" "C"
    [5059] "A" "A" "C" "A" "G" "A" "C" "A" "T" "C" "A" "T" "T" "A" "C" "T" "A" "A"
##
    [5095] "G" "A" "A" "A" "C" "A" "C" "A" "A" "T" "G" "T" "T" "T" "G" "G" "T" "C"
##
    [5113] "A" "C" "A" "C" "A" "C" "G" "G" "T" "A" "A" "A" "C" "T" " " "T" "T" "G"
    [5131] "T" "T" "T" "C" "T" "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "T" "C" "C"
##
    [5149] "T" "T" "T" "C" "A" "C" "A" "C" "G" "A" "A" "A" "A" "G" "G" "T" "A" "G"
    [5167] "T" "A" "C" "T" "G" "T" "T" "T" "A" "C" "C" "G" "T" "C" "C" "T" "C" "G"
##
##
    [5185] "T" "C" "A" "A" "C" "A" "C" "T" "T" "C" "A" "A" "G" " " " "A" "A" "A" "A"
    [5203] "G" "A" "A" "C" "A" "C" "G" "T" "C" "C" "C" "T" "G" "T" "A" "T" "T" "C"
##
    [5221] "A" "G" "T" "G" "T" "A" "C" "G" "T" "T" "C" "T" "T" "C" "T" "G" "A" "T"
##
    [5239] "G" "T" "G" "G" "T" "A" "C" "T" "C" "C" "A" "C" "G" "A" "C" "T" "G" "A"
##
    [5257] "C" "T" "C" "C" "C" "T" "T" "C" "C" "T" "G" "T" " " "A" "T" "T" "C" "T"
##
    [5275] "A" "C" "T" "A" "T" "C" "G" "G" "G" "A" "A" "A" "G" "G" "T" "G" "T" "T"
##
    [5293] "T" "T" "T" "A" "G" "T" "T" "G" "A" "G" "A" "A" "A" "A" "A" "A" "C" "T" "A"
##
    [5311] "A" "C" "A" "G" "G" "T" "T" "C" "A" "T" "G" "T" "G" "T" "G" "A" "G" "A"
##
    [5329] "C" "T" "G" "T" "A" "A" "A" "A" "T" "C" "A" " " "T" "C" "G" "T" "C" "G"
##
    [5347] "T" "T" "C" "T" "A" "A" "T" "C" "G" "T" "C" "T" "T" "C" "G" "A" "G" "A"
    [5365] "C" "T" "A" "A" "A" "G" "A" "C" "G" "T" "C" "G" "A" "G" "A" "T" "T" "A"
##
    [5383] "A" "T" "T" "A" "A" "C" "A" "A" "C" "T" "C" "A" "G" "T" "G" "T" "A" "T"
    [5401] "A" "C" "A" "G" "A" "C" "G" "T" "T" "T" "T" " "G" "A" "A" "A" "A" "C" "T" "T"
##
    [5419] "C" "A" "G" "A" "C" "G" "G" "A" "C" "A" "C" "T" "A" "G" "T" "T" "G" "G"
    [5437] "A" "T" "A" "G" "T" "T" "A" "A" "A" "C" "G" "T" "G" "A" "A" "A" "C"
##
##
    [5455]
          "G" "G" "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "G" "T" "T" "C" "T" "G"
    [5473] "C" "A" "C" "T" "T" "T" "C" "C" "T" " "A" "T" "A" "G" "T" "A" "A" "A" "A"
##
    [5491] "T" "T" "T" "T" "G" "T" "G" "A" "A" "C" "T" "T" "T" "A" "A" "A" "C" "T"
    [5509] "G" "G" "T" "T" "T" "T" "A" "A" "C" "C" "T" "C" "G" "A" "T" "T" "C" "A"
##
    [5527] "A" "C" "A" "A" "A" "T" "T" "G" "T" "T" "C" "G" "C" "A" "C" "A" "A" "A" "A"
##
    [5545] "T" "T" "T" "C" "G" "A" "A" "C" " " "A" "C" "G" "T" "A" "A" "A" "A" "C"
##
##
    [5563] "C" "A" "A" "C" "T" "G" "G" "T" "G" "T" "A" "G" "A" "A" "C" "T" "T" "C"
    [5581] "A" "A" "A" "A" "G" "G" "T" "T" "C" "A" "C" "G" "T" "G" "A" "A" "C" "G"
##
    [5599] "A" "C" "A" "C" "C" "T" "T" "C" "T" "T" "T" "C" "A" "C" "T" "C" "A" "G"
##
    [5617] "A" "A" "C" "T" "T" "A" "A" " " "A" "A" "C" "G" "G" "T" "T" "A" "T" "C"
    [5635] "G" "T" "G" "A" "T" "A" "A" "T" "T" "T" "A" "A" "C" "C" "A" "A" "C" "C"
##
    ##
    [5671] "G" "T" "A" "T" "C" "T" "C" "T" "T" "G" "T" "A" "A" "G" "A" "C" "A" "C"
    [5689] "A" "T" "T" "G" "A" "G" " " "G" "T" "T" "A" "T" "G" "G" "T" "A" "A" "T"
    [5707] "T" "T" "G" "G" "A" "T" "A" "T" "T" "C" "G" "G" "T" "A" "A" "A" "A" "C" "G"
##
    [5725] "T" "A" "T" "C" "G" "T" "T" "T" "A" "C" "C" "A" "T" "A" "A" "A" "A" "C" "A"
##
    [5743] "T" "T" "A" "C" "G" "T" "C" "G" "T" "G" "G" "A" "C" "G" "T" "G" "T"
##
    [5761] "T" "T" "C" "C" "A" " " "G" "G" "T" "T" "G" "G" "T" "C" "T" "C" "T" "C" "A"
    [5779] "C" "T" "A" "A" "C" "A" "T" "G" "G" "G" "C" "G" "A" "T" "T" "G" "T" "C"
##
    [5797] "A" "C" "G" "T" "C" "T" "T" "C" "A" "C" "A" "T" "A" "A" "A" "C" "T" "C" "G"
##
    [5815] "T" "T" "A" "G" "T" "A" "A" "A" "G" "T" "A" "G" "A" "C" "A" "C" "T" "C"
##
    [5833] "G" "T" "T" "T" " " "C" "C" "A" "C" "C" "G" "T" "T" "T" "T" "T" "G" "T" "C"
##
    [5851] "A" "T" "T" "C" "C" "G" "G" "C" "A" "A" "T" "T" "T" "G" "A" "A" "A" "A" "A"
##
```

```
[5869] "C" "A" "C" "G" "T" "G" "T" "T" "T" "A" "C" "T" "C" "C" "A" "G" "A" "G"
   [5887] "A" "T" "C" "G" "T" "C" "G" "T" "T" "A" "T" "A" "G" "T" "G" "T" "G" "T" "T"
##
   [5905] "C" "C" "G" " " "T" "T" "A" "G" "T" "G" "G" "T" "A" "T" "A" "T" "A" "A" "C" "A"
##
   [5923] "A" "A" "C" "T" "A" "C" "T" "T" "C" "G" "G" "T" "C" "G" "T" "A" "G" "A"
##
   [5941] "C" "G" "T" "T" "C" "A" "C" "A" "G" "T" "G" "A" "A" "A" "A" "C" "A" "A" "C"
   [5959] "T" "T" "T" "T" "C" "A" "T" "C" "T" "A" "G" "A" "A" "G" "T" "T" "A" "T"
##
   [5977] "T" "T" " "A" "C" "T" "G" "G" "A" "G" "A" "A" "C" "G" "A" "A" "C" "C"
   [5995] "A" "A" "A" "A" "C" "T" "A" "C" "C" "T" "A" "G" "A" "C" "C" "A" "T" "T"
##
   ##
   [6067] "A" "A" "A" "C" "A" "A" "A" "C" "T" "G" "A" "A" "C" "A" "C" "G" "T" "T"
##
   [6103] "A" "C" "A" "G" "A" "A" "C" "A" "A" "G" "T" "T" "G" "T" "C" "G" "A" "T"
##
   [6121] " " "A" "A" "G" "G" "T" "C" "A" "A" "T" "T" "T" "C" "G" "T" "G" "C"
   [6139] "A" "A" "A" "T" "T" "A" "A" "C" "A" "C" "A" "T" "G" "T" "T" "T" "T" "T"
##
##
   [6157] "G" "A" "C" "G" "G" "T" "A" "T" "A" "A" "C" "G" "T" "T" "G" "T" "T" "T"
   [6175] "T" "C" "T" "A" "A" "C" "G" "A" "C" "G" "T" "A" "A" "G" "T" "C" "A" "
##
   ##
   [6211] "G" "T" "A" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "T" "G" "A" "C" "T"
##
   [6229] "A" "C" "A" "G" "A" "A" "C" "C" "A" "G" "T" "A" "T" "C" "T" "G"
##
   [6247] "A" "C" "C" "A" "T" "C" "T" "T" "A" "A" "A" "G" "A" "C" "A" "C" " " "C"
   [6265] "A" "T" "T" "G" "T" "G" "A" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "A"
##
   [6283] "A" "A" "C" "A" "C" "C" "C" "C" "A" "T" "A" "C" "C" "G" "T" "T" "A" "T" "C"
   [6301] "T" "C" "A" "A" "T" "A" "A" "T" "C" "T" "C" "A" "T" "T" "C" "G" "T" "T"
##
   [6319] "G" "A" "C" "T" "T" "A" "A" "A" "A" "G" "A" "C" "G" "T" "G" " T" "G" " T"
   [6337] "T" "C" "A" "C" "T" "G" "T" "A" "T" "C" "A" "C" "A" "T" "C" "C" "G" "T"
##
   [6355] "T" "A" "C" "T" "A" "C" "C" "T" "A" "A" "C" "T" "G" "A" "T" "C" "G" "A"
   [6373] "T" "G" "T" "G" "A" "T" "G" "C" "A" "C" "G" "G" "G" "C" "G" "G" "C" "T"
##
   [6391] "C" "C" "T" "C" "T" "T" "A" "A" "T" "C" "A" "G" "A" "C" " " "T" "C" "A"
   [6409] "G" "A" "C" "T" "A" "T" "T" "G" "A" "T" "C" "G" "C" "G" "T" "A" "T" "A"
##
         "T" "G" "G" "A" "C" "G" "T" "G" "G" "T" "T" "A" "C" "C" "C" "A" "T" "A"
##
   [6427]
   [6445] "C" "A" "G" "T" "G" "T" "G" "A" "G" "T" "A" "T" "A" "C" "T" "C" "A" "A"
##
   [6463] "C" "A" "A" "C" "T" "G" "T" "A" "C" "A" "A" "G" "T" " " "C" "G" "G"
##
   [6481] "G" "A" "T" "A" "A" "T" "T" "T" "G" "T" "C" "G" "G" "A" "C" "G" "T" "G"
##
   [6499] "C" "A" "C" "A" "A" "A" "C" "T" "T" "T" "T" "T" "G" "T" "A" "A" "T" "C"
##
   [6517] "T" "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "A" "T" "T" "T" "T" "G" "T" "G"
##
##
   [6535] "C" "G" "G" "T" "T" "C" "A" "T" "C" "C" "T" "C" " " "A" "T" "T" "C" "A"
   [6553] "A" "C" "T" "A" "G" "A" "C" "G" "T" "A" "C" "T" "T" "A" "T" "C" "G" "T"
##
   [6571] "T" "G" "T" "C" "C" "C" "T" "G" "A" "A" "G" "A" "C" "A" "C" "G" "T" "C"
##
   [6589] "A" "A" "T" "T" "G" "T" "A" "G" "G" "A" "C" "T" "A" "T" "T" "T" "C" "T"
   [6607] "T" "G" "T" "C" "G" "T" "T" "G" "G" "A" "C" " " "C" "A" "A" "A" "T" "C" "T"
##
   [6625] "T" "C" "A" "T" "A" "A" "A" "C" "A" "A" "G" "G" "A" "C" "C" "A" "C" "A"
##
   [6643] "A" "T" "A" "T" "T" "G" "T" "G" "A" "C" "T" "G" "T" "G" "G" "T" "G" "G"
   [6661] "T" "T" "T" "T" "C" "T" "T" "G" "T" "A" "C" "C" "A" "C" "A" "T" "T" "A"
   [6679] "C" "A" "G" "T" "T" "C" "T" "T" "A" "G" " " "A" "G" "T" "T" "C" "A" "C"
##
         "A" "G" "A" "C" "A" "C" "C" "T" "A" "G" "T" "G" "C" "C" "T" "G" "T" "G"
##
   [6697]
   [6715] "G" "T" "A" "G" "T" "C" "A" "T" "C" "A" "C" "A" "G" "T" "C" "G" "T" "T"
##
   [6733] "A" "C" "A" "G" "A" "G" "A" "C" "G" "G" "T" "T" "T" "A" "A" "C" "A" "A"
   [6751] "C" "C" "T" "T" "T" "C" "C" "G" "T" " "C" "T" "T" "T" "G" "A" "A" "A" "A"
##
   [6769] "A" "A" "C" "A" "A" "T" "C" "T" "G" "A" "G" "T" "C" "A" "T" "T" "C" "T"
##
   [6787] "T" "G" "T" "G" "G" "A" "C" "A" "C" "G" "G" "A" "C" "A" "A" "T" "T" "T"
##
   [6805] "G" "G" "T" "A" "A" "C" "T" "T" "C" "A" "A" "C" "T" "T" "T" "A" "A" "C"
##
   ##
```

```
[6841] "G" "T" "T" "T" "A" "A" "T" "C" "A" "T" "C" "T" "G" "A" "A" "A" "A" "A" "A"
    [6859] "T" "C" "C" "A" "G" "G" "T" "G" "T" "T" "T" "G" "T" "C" "A" "A" "A" "C" "G"
##
    [6877] "A" "C" "C" "A" "C" "G" "T" "A" "C" "A" "T" "C" "T" "T" "C" "A" "A" "G"
##
    [6895] "T" "T" "T" "T" "C" "T" "T" " "T" "C" "A" "T" "G" "A" "T" "G" "A" "T"
##
    [6913] "G" "A" "G" "A" "C" "A" "T" "A" "C" "C" "A" "A" "C" "C" "A" "T" "T" "G"
    [6931] "G" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "C" "A" "C" "C" "C" "C" "A" "A"
##
    [6949] "C" "C" "T" "T" "T" "G" "G" "T" "A" "T" "A" "C" "T" "A" "A" "C" "A" "T"
    [6967] "T" "T" "C" "C" "T" "T" " "T" "C" "A" "T" "G" "T" "G" "T" "T" "A" "A" "T"
##
    [6985] "T" "T" "T" "G" "G" "A" "A" "G" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T"
##
    [7003] "G" "T" "T" "C" "C" "A" "C" "A" "C" "G" "A" "T" "G" "G" "C" "C" "G" "G"
##
    [7021] "A" "C" "T" "A" "T" "C" "T" "A" "A" "A" "G" "T" "C" "A" "A" "C" "T" "T"
    [7039] "T" "A" "T" "A" "G" " " "A" "G" "A" "G" "A" "G" "T" "T" "T" "T" "T" "C" "C"
##
    [7057] "A" "A" "A" "C" "T" "C" "T" "A" "A" "T" "C" "T" "G" "A" "A" "A" "G" "A"
    [7075] "T" "T" "G" "T" "G" "T" "A" "G" "A" "T" "A" "T" "G" "T" "C" "C" "A" "T"
##
##
    [7093] "T" "A" "A" "T" "A" "T" "A" "A" "T" "G" "G" "T" "G" "G" "T" "T" "G"
    [7111] "G" "A" "A" "T" " "C" "T" "T" "A" "G" "T" "T" "C" "T" "A" "A" "C" "A"
##
##
    [7129] "A" "T" "C" "T" "T" "A" "A" "G" "G" "T" "T" "C" "G" "A" "T" "A" "T" "T"
    [7147] "G" "C" "G" "T" "C" "G" "G" "A" "C" "A" "T" "T" "T" "T" "A" "G" "T" "A"
##
    ##
    [7183] "T" "T" "A" " "G" "T" "C" "G" "T" "T" "A" "G" "A" "A" "A" "G" "G" "T"
##
    [7201] "C" "A" "A" "A" "C" "G" "G" "G" "A" "C" "C" "T" "C" "G" "C" "T" "A" "A"
##
    [7219] "A" "C" "A" "G" "A" "C" "T" "G" "A" "A" "G" "T" "A" "G" "T" "G" "G" "A"
##
    [7237] "G" "A" "T" "T" "A" "A" "T" "G" "T" "T" "T" "A" "C" "T" "T" "A" "G" "A"
##
    [7255] "C" "G" " "T" "A" "T" "C" "T" "G" "T" "A" "A" "T" "C" "A" "T" "T" "T"
##
    ##
    [7291] "T" "C" "A" "T" "C" "C" "T" "C" "T" "G" "T" "G" "A" "G" "G" "T" "A" "T"
    [7309] "T" "G" "T" "G" "A" "A" "T" "T" "T" "T" "C" "A" "C" "C" "T" "T" "T" "T"
##
    [7327] "A" " "C" "T" "A" "C" "G" "C" "C" "T" "T" "A" "A" "T" "A" "T" "A" "T" "A" "T"
    [7345] "C" "C" "T" "G" "T" "C" "T" "T" "A" "T" "A" "G" "T" "C" "G" "T" "T"
##
    [7363] "G" "T" "G" "T" "C" "A" "A" "C" "G" "A" "C" "T" "A" "A" "G" "A" "G" "A"
    [7381] "A" "G" "G" "A" "C" "A" "A" "G" "G" "T" "T" "C" "G" "T" "A" "T" "T" "T"
##
          " " "G" "T" "C" "T" "A" "C" "G" "T" "T" "T" "A" "G" "A" "C" "C" "A" "C"
##
    [7399]
    [7417] "C" "G" "C" "A" "A" "T" "T" "T" "T" "T" "G" "A" "A" "G" "T" "G" "G" "T"
##
    [7435] "T" "T" "T" "C" "C" "C" "G" "T" "G" "T" "C" "A" "A" "A" "A" "A" "C" "A" "T"
##
    [7453] "T" "A" "T" "A" "A" "T" "C" "C" "T" "T" "T" "A" "G" "A" "T" "T" "G" "
##
    [7471] "T" "T" "A" "T" "C" "T" "A" "A" "G" "A" "C" "A" "A" "C" "C" "A" "A" "C"
##
    [7489] "C" "T" "G" "A" "G" "A" "T" "T" "T" "C" "A" "A" "T" "C" "T" "T" "C" "A"
##
##
    [7525] "A" "T" "G" "T" "C" "A" "C" "T" "T" "C" "C" "T" "A" "A" "A" "A" "G" " " "T"
##
    [7543] "T" "G" "C" "A" "T" "G" "T" "G" "A" "A" "A" "C" "A" "A" "A" "A" "G" "A" "C"
##
    [7561] "T" "C" "T" "C" "T" "C" "C" "C" "A" "G" "T" "T" "C" "A" "C" "G" "T" "G"
    [7579] "T" "C" "A" "G" "A" "T" "G" "T" "C" "G" "T" "A" "G" "A" "C" "A" "T" "T"
##
    [7597] "A" "C" "C" "A" "A" "G" "G" "T" "A" "A" "A" "A" "G" "T" "A" " "T"
    [7615] "A" "T" "A" "A" "A" "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "T" "C" "A" "G"
##
    [7633] "G" "A" "T" "C" "C" "A" "A" "C" "T" "T" "C" "T" "A" "T" "T" "G" "G" "G"
    [7651] "T" "G" "T" "A" "T" "T" "A" "T" "T" "C" "G" "A" "C" "G" "T" "C" "G" "T"
##
    [7669] "G" "G" "T" "C" "G" "A" "C" "A" "G" "G" "T" "T" "G" "G" " " " "A" "C" "T"
##
    [7687] "T" "C" "T" "T" "C" "T" "T" "A" "G" "T" "G" "G" "T" "C" "C" "T" "C" "A"
##
    [7705] "G" "T" "T" "T" "A" "T" "T" "G" "A" "A" "G" "A" "T" "A" "C" "A" "T" "T"
    [7723] "T" "C" "G" "T" "T" "C" "A" "T" "T" "C" "A" "A" "A" "A" "C" "T" "T" "T"
##
          "G" "G" "A" "T" "C" "A" "C" "T" "A" "C" "A" "A" "T" " "T" "A" "T" "G"
##
    Γ7741]
    [7759] "G" "A" "T" "A" "A" "C" "C" "G" "T" "T" "T" "A" "G" "A" "T" "G" "G" "T"
##
    [7777] "T" "A" "C" "C" "A" "A" "G" "A" "T" "T" "T" "C" "G" "G" "C" "T" "T" "T"
##
    [7795] "T" "T" "G" "G" "G" "A" "C" "T" "C" "C" "C" "T" "C" "T" "A" "G" "T" "G"
##
```

```
[7813] "C" "G" "T" "G" "A" "T" "T" "T" "A" "A" "T" "T" "T" " " "A" "T" "C" "C" "G"
   ##
   [7849] "A" "A" "T" "T" "T" "T" "A" "T" "T" "G" "G" "T" "A" "G" "T" "A" "T"
##
   [7867] "A" "A" "G" "A" "A" "T" "T" "T" "G" "T" "G" "T" "T" "T" "A" "A" "A" "G" "G"
##
   [7885] "G" "A" "T" "T" "C" "T" "A" "A" "A" "A" "A" " " "C" "T" "T" "T" "A" "A" "A"
   [7903] "T" "G" "G" "G" "A" "C" "A" "A" "A" "A" "G" "G" "A" "A" "G" "T" "T" "C"
##
   [7921] "C" "A" "G" "G" "T" "A" "T" "T" "C" "T" "T" "T" "T" "C" "C" "G" "A" "C"
   [7939] "T" "C" "T" "C" "T" "G" "T" "A" "T" "A" "A" "G" "T" "T" "T" "T" "T" "C" "A"
##
   [7957] "C" "G" "T" "T" "A" "A" "T" "A" "A" "G" " " "C" "G" "T" "G" "A" "T" "C"
##
         "T" "T" "A" "T" "T" "T" "G" "A" "G" "A" "C" "T" "T" "G" "A" "G" "T" "G"
##
   [7975]
   [7993] "A" "A" "A" "G" "G" "T" "A" "G" "G" "T" "T" "G" "A" "A" "A" "A" "A" "C" "A"
   [8011] "A" "C" "A" "A" "A" "A" "A" "C" "A" "C" "A" "T" "T" "T" "A" "T" "T" "T"
##
   [8047] "A" "A" "T" "G" "T" "T" "T" "T" "A" "A" "C" "T" "T" "T" "A" "A" "G" "T"
##
##
   [8065] "G" "T" "C" "T" "G" "A" "A" "A" "T" "T" "A" "T" "T" "G" "T" "T" "G" "T"
   [8083] "A" "A" "T" "C" "A" "T" "C" "G" "C" "A" "A" "T" "A" "A" "T" "T" "T" "G" "T"
##
##
   [8101]
         "T" "A" "T" "T" "C" "A" "T" "C" " " "C" "C" "T" "G" "A" "C" "C" "C" "A"
   [8119] "G" "A" "A" "G" "C" "T" "T" "A" "G" "A" "T" "T" "T" "C" "A" "T" "C" "A"
##
   [8137] "T" "G" "G" "T" "T" "T" "T" "A" "G" "G" "T" "C" "G" "G" "A" "G" "A"
##
   [8155] "A" "T" "A" "A" "T" "A" "C" "A" "A" "T" "C" "T" "G" "A" "A" "G" "A" "G"
##
   [8173] "T" "C" "A" "C" "C" "T" "T" "T" "G" "G" "T" "T" "T" "T" "A" "T" "T" "T"
##
   [8191] "G" "T" "G" "G" "T" "A" "G" "T" "A" "A" "T" "T" "T" "A" "C" "C" "A" "T"
##
   [8209] "C" "C" "T" "G" "T" "C" "C" "C" "A" "A" "T" "A" "G" "T" "T" "T" "T" "G" "G"
##
   [8227] "A" "G" "A" "A" "T" "C" "A" "T" "G" "G" "T" "A" "A" "C" "C" "A" "G" "G"
##
   [8245] "G" "T" "C" "T" "C" "T" " "G" "T" "A" "C" "A" "T" "A" "T" "C" "G" "T"
##
   [8263] "A" "C" "C" "T" "T" "G" "G" "T" "T" "C" "A" "T" "T" "G" "T" "A" "A" "C"
   ##
   [8299] "T" "T" "C" "A" "G" "G" "A" "C" "T" "C" "A" "A" "C" "T" "T" "A" "C" "A"
   [8317] "T" "T" "T" "T" "G" " " "A" "C" "T" "C" "C" "T" "A" "G" "A" "C" "T" "T"
##
   [8335] "T" "T" "G" "A" "A" "A" "C" "A" "G" "T" "C" "C" "C" "A" "T" "T" "A" "T"
   [8353] "T" "T" "G" "T" "G" "G" "T" "G" "C" "A" "C" "A" "C" "T" "T" "T" "T" "C" "T"
##
##
   [8371]
         "T" "A" "A" "T" "C" "A" "C" "A" "T" "A" "C" "G" "T" "C" "C" "C" "C" "C" "C"
   [8389] "A" "T" "T" "A" " "A" "C" "T" "C" "A" "A" "G" "A" "C" "C" "A" "A" "C"
##
   [8407] "A" "T" "T" "C" "T" "A" "A" "T" "T" "G" "T" "G" "T" "G" "A" "C" "T" "G"
##
   [8425] "A" "T" "C" "T" "C" "T" "G" "A" "T" "C" "A" "C" "C" "G" "T" "T" "A" "T"
##
   [8443] "T" "T" "T" "G" "T" "T" "C" "T" "T" "T" "T" "T" "G" "T" "T" "T" "G" "T"
##
   [8461] "A" "A" "C" " " "A" "A" "G" "C" "A" "A" "A" "T" "C" "A" "A" "A" "C" "A" "A"
##
##
   [8479] "T" "T" "G" "T" "T" "C" "T" "G" "T" "A" "G" "T" "G" "T" "G" "A" "T" "C" "T"
   ##
   [8515] "A" "A" "G" "A" "G" "A" "T" "T" "A" "A" "T" "A" "T" "T" "C" "A" "G" "A"
##
   [8533] "T" "G" " " "G" "A" "A" "A" "T" "G" "A" "T" "T" "C" "T" "T" "C" "T" "C"
   [8551] "T" "A" "T" "T" "T" "T" "A" "G" "T" "A" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T"
##
   ##
   [8587] "T" "G" "T" "A" "T" "T" "G" "T" "C" "G" "T" "C" "A" "T" "G" "G" "G" "G"
   [8623] "A" "A" "T" "G" "A" "G" "T" "A" "C" "A" "G" "T" "T" "T" "A" "T" "T" "T"
##
   [8641] "C" "T" "T" "A" "T" "C" "C" "T" "T" "C" "T" "G" "T" "T" "G" "A" "C" "T"
##
   [8659] "T" "A" "A" "C" "C" "T" "A" "A" "A" "C" "A" "T" "A" "A" "G" "G" "A" "G"
##
   [8677] " " "G" "T" "T" "T" "T" "A" "T" "A" "C" "A" "T" "T" "A" "A" "A" "A" "A" "C" "G"
   [8695] "T" "A" "C" "G" "T" "A" "C" "T" "G" "T" "A" "T" "T" "G" "G" "T" "A" "G"
##
   [8713] "A" "T" "A" "A" "A" "C" "A" "A" "G" "C" "G" "C" "A" "C" "C" "A" "A" "A" "A"
##
   [8731] "C" "G" "G" "T" "T" "C" "T" "A" "T" "A" "A" "T" "G" "T" "A" "G" "
##
   [8749] "G" "T" "T" "A" "A" "T" "T" "T" "T" "T" "A" "C" "G" "A" "A" "A" "G" "T" "C"
##
   [8767] "T" "A" "C" "T" "A" "C" "T" "G" "C" "G" "T" "A" "A" "G" "T" "G" "T" "A"
##
```

```
[8785] "A" "T" "C" "A" "T" "T" "G" "T" "T" "T" "C" "C" "G" "A" "C" "A" "G" "G"
    [8803] "T" "G" "G" "T" "A" "C" "G" "C" "T" "T" "C" "A" "C" "A" "G" "G" "G" " " "G"
##
    [8821] "T" "A" "C" "T" "C" "G" "A" "A" "T" "A" "T" "T" "T" "T" "C" "T" "A" "G" "T"
##
    [8839] "C" "G" "T" "A" "A" "G" "G" "T" "T" "C" "T" "T" "A" "C" "A" "A" "A" "G" "A"
##
    [8857] "C" "A" "A" "T" "A" "G" "A" "A" "A" "T" "A" "T" "C" "G" "G" "T" "G" "C"
    [8875] "C" "T" "T" "G" "G" "A" "G" "G" "T" "T" "C" "T" "C" "G" "A" " " "T" "C"
##
    [8893] "G" "A" "A" "A" "A" "C" "A" "A" "C" "A" "T" "A" "T" "T" "T" "T" "G" "G" "G"
    [8911] "T" "G" "T" "T" "T" "A" "C" "A" "T" "T" "C" "A" "C" "T" "T" "T" "T" "T"
##
    [8929] "T" "G" "G" "G" "A" "G" "A" "A" "A" "T" "C" "T" "C" "A" "G" "T" "A" "A"
##
    [8947] "A" "A" "G" "A" "A" "A" "A" "C" "A" "T" "T" "G" "T" "A" " " "A" "A" "A" "A"
##
    [8965] "A" "T" "C" "A" "G" "A" "A" "T" "C" "C" "C" "A" "G" "C" "A" "T" "G" "T"
    [8983] "A" "T" "A" "G" "T" "G" "A" "T" "T" "A" "T" "A" "C" "T" "C" "T" "A"
##
    [9001] "G" "G" "G" "T" "A" "A" "A" "T" "A" "A" "T" "C" "G" "A" "C" "A" "T" "A"
    [9019] "C" "A" "T" "G" "T" "C" "A" "A" "C" "G" "T" "G" "T" " " "T" "A" "G" "T"
##
    [9037] "G" "G" "T" "T" "A" "G" "T" "T" "T" "C" "A" "A" "C" "T" "T" "A" "G" "A"
    [9055] "C" "G" "T" "A" "G" "T" "C" "T" "C" "T" "G" "T" "T" "T" "T" "C" "A" "G" "T"
##
##
    [9073] "A" "A" "T" "T" "C" "T" "A" "G" "A" "C" "T" "T" "A" "G" "C" "T" "G" "T"
    [9091] "T" "C" "G" "T" "C" "G" "C" "A" "T" "G" "G" "G" "G" " "C" "A" "T" "C" "C"
    [9109] "G" "T" "T" "G" "G" "T" "G" "A" "C" "A" "G" "A" "A" "A" "T" "T" "T" "T" "G"
    [9127] "T" "C" "G" "A" "C" "A" "T" "G" "G" "A" "C" "C" "A" "C" "G" "T" "T" "G"
##
    [9145] "A" "G" "G" "A" "A" "A" "T" "A" "G" "T" "C" "T" "T" "G" "G" "T" "C" "G"
##
    [9163] "T" "G" "G" "T" "T" "T" "T" "A" "C" "A" "T" " "A" "T" "T" "T" "G" "A" "G"
##
    [9181] "A" "G" "T" "A" "T" "A" "A" "T" "A" "T" "C" "C" "C" "A" "T" "G" "T" "C"
##
    [9199] "G" "A" "T" "T" "A" "C" "A" "A" "T" "T" "A" "C" "A" "C" "A" "A" "A" "T"
    [9217] "T" "T" "A" "T" "A" "A" "C" "T" "G" "T" "G" "T" "C" "A" "A" "A" "C" "T" "C"
##
    [9235] "A" "T" "A" "T" "A" "A" "A" "A" "C" "G" " " "C" "T" "G" "T" "A" "A" "G"
    [9253] "T" "A" "G" "T" "A" "A" "T" "A" "C" "G" "G" "A" "A" "A" "T" "C" "C" "A"
##
    [9271] "T" "T" "A" "C" "A" "A" "C" "G" "T" "G" "A" "T" "A" "G" "T" "G" "T"
    [9289] "A" "T" "T" "A" "A" "A" "A" "C" "T" "T" "C" "C" "A" "G" "T" "G" "T" "G"
##
    [9307] "A" "A" "A" "A" "G" "A" "T" "T" "A" " "T" "C" "G" "T" "A" "A" "G" "A"
    [9325] "A" "A" "C" "G" "T" "A" "A" "A" "A" "C" "A" "T" "T" "T" "C" "T" "A" "A" "A"
##
          "T" "C" "C" "G" "T" "A" "T" "C" "G" "T" "T" "G" "T" "G" "G" "G" "G" "C"
##
    [9343]
    [9361] "A" "A" "C" "G" "G" "T" "G" "C" "G" "A" "A" "C" "T" "G" "A" "T" "C" "T"
##
    [9379] "A" "A" "C" "A" "T" "T" "A" "A" " " "A" "A" "C" "C" "C" "A" "T" "T" "T"
##
    [9397] "T" "A" "C" "A" "A" "A" "G" "A" "T" "G" "T" "A" "C" "C" "G" "G" "T" "A"
##
    [9415] "G" "A" "A" "A" "T" "G" "T" "G" "G" "T" "T" "C" "G" "T" "A" "T" "T"
##
    [9433] "T" "A" "C" "T" "T" "T" "A" "A" "A" "G" "A" "C" "A" "T" "A" "T" "C" "A"
##
##
    [9451] "G" "T" "T" "A" "T" "C" "A" " " "G" "T" "G" "A" "A" "A" "A" "C" "T" "G" "T"
    [9469] "T" "G" "G" "A" "A" "T" "C" "T" "T" "T" "G" "A" "T" "G" "T" "C" "T" "A"
##
    [9487] "T" "T" "T" "A" "G" "A" "A" "C" "C" "C" "T" "A" "A" "A" "A" "A" "T" "A" "A"
##
    [9505] "T" "A" "A" "A" "G" "T" "T" "G" "T" "T" "T" "T" "A" "G" "T" "A" "G" "T"
    [9523] "T" "C" "A" "T" "T" "A" " " "T" "T" "A" "G" "T" "T" "A" "G" "T" "T" "A" "T" "T" "G"
##
          "T" "C" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "A" "A" "T" "C" "T"
    Г9541Т
##
    [9559] "A" "C" "T" "T" "G" "G" "A" "C" "A" "A" "A" "C" "G" "C" "G" "T" "A" "G"
    [9595] "T" "T" "G" "A" "C" " "A" "T" "G" "A" "C" "A" "G" "G" "T" "A" "T" "C"
##
    [9613] "C" "T" "T" "A" "T" "T" "T" "T" "A" "G" "A" "A" "G" "A" "T" "T" "A" "A" "A"
##
    [9631] "G" "T" "T" "T" "T" "C" "C" "A" "C" "T" "A" "A" "G" "G" "A" "A" "A" "T" "T"
##
    [9649] "T" "T" "G" "C" "A" "A" "A" "T" "C" "G" "A" "T" "C" "A" "G" "G" "T" "T"
    [9667] "A" "G" "T" "C" " "A" "T" "C" "T" "A" "C" "A" "T" "T" "T" "T" "G" "G" "T"
##
    [9685] "G" "G" "A" "T" "T" "G" "A" "C" "T" "G" "A" "T" "A" "C" "T" "G" "A" "T"
##
    [9703] "T" "T" "A" "G" "A" "G" "G" "T" "A" "T" "T" "T" "G" "C" "T" "A" "T"
##
    [9721] "A" "C" "A" "A" "G" "C" "T" "T" "C" "C" "G" "T" "A" "T" "C" "G" "G" "A"
##
    [9739] "A" "G" "A" " "T" "T" "A" "A" "A" "T" "A" "T" "G" "G" "C" "A" "A" "G"
##
```

```
[9757] "T" "T" "A" "C" "T" "T" "A" "A" "G" "T" "A" "G" "G" "T" "A" "G" "T" "A" "T" "C" "G"
   [9775] "A" "T" "T" "A" "A" "G" "A" "T" "T" "C" "T" "T" "T" "T" "A" "G" "T" "T" "A"
##
   [9793] "A" "A" "G" "G" "T" "A" "A" "A" "C" "T" "G" "A" "G" "G" "A" "C" "C" "C"
   [9829] "A" "A" "G" "A" "T" "G" "A" "G" "A" "C" "T" "C" "A" "T" "T" "T" "T" "C" "A"
   [9847] "T" "T" "C" "A" "A" "A" "G" "T" "C" "C" "A" "T" "T" "A" "A" "C" "A" "A" "A"
##
   [9865] "C" "C" "T" "G" "T" "T" "G" "T" "G" "G" "T" "A" "G" "T" "T" "G" "A" "A"
   ##
   [9901] "A" "C" "A" "C" "A" "A" "A" "A" "A" "T" "G" "C" "C" "G" "A" "A" "A" "G" "A"
   [9919] "G" "G" "T" "T" "A" "A" "T" "T" "A" "C" "A" "C" "T" "G" "A" "G" "G" "T"
   [9937] "A" "A" "T" "T" "C" "T" "G" "A" "T" "C" "G" "A" "A" "C" "A" "A" "A" "A" "C"
   [9955] " " "C" "C" "T" "G" "G" "A" "T" "G" "T" "C" "T" "A" "C" "C" "A" "A" "C"
   [9973] "A" "T" "T" "T" "G" "G" "A" "A" "A" "T" "T" "G" "T" "G" "A" "T" "G" "G"
   [9991] "A" "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "C" "T" "T" "G" "T" "G" "G"
## [10009] "T" "A" "A" "T" "G" "C" "C" "C" "G" "T" "A" "A" "A" "G" "A" "T" "T" "T" "
  [10027] "T" "A" "T" "T" "C" "A" "G" "A" "T" "G" "A" "A" "C" "T" "G" "G" "T" "A"
  [10045] "G" "T" "T" "G" "A" "G" "A" "T" "G" "G" "T" "A" "G" "T" "A" "G" "T" "T" "T" "T"
  [10063] "T" "C" "T" "G" "T" "C" "A" "C" "A" "C" "A" "C" "A" "C" "G" "T" "G"
  [10081] "T" "T" "T" "A" "G" "C" "A" "A" "G" "T" "C" "A" "A" "C" "C" " "A" "A"
## [10099] "A" "A" "G" "A" "A" "C" "C" "G" "A" "T" "A" "C" "A" "G" "T" "C" "A" "G"
## [10135] "C" "A" "T" "C" "T" "A" "T" "A" "T" "A" "C" "A" "C" "G" "A" "C" "C" "T"
## [10153] "C" "G" "T" "A" "G" "A" "G" "A" "A" "A" "A" "C" "A" "T" "C" " " "A" "G"
  [10171] "G" "G" "T" "C" "T" "A" "G" "T" "G" "T" "C" "A" "T" "A" "A" "T" "C" "G"
  ##
  [10207] "T" "A" "A" "T" "A" "A" "C" "T" "C" "A" "T" "A" "A" "A" "A" "A" "G" "T" "G"
## [10225] "G" "A" "G" "A" "C" "C" "A" "T" "G" "A" "C" "C" "A" "A" " " "A" "T" "T"
  [10243] "A" "C" "A" "A" "C" "G" "C" "G" "A" "A" "T" "C" "G" "G" "G" "T" "T" "T"
## [10261] "C" "G" "A" "G" "T" "T" "T" "A" "C" "G" "A" "T" "G" "T" "A" "A" "T" "T"
## [10297] "A" "A" "A" "G" "T" "T" "T" "G" "T" "T" "A" "A" "G" " " "A" "T" "G" "T"
  [10315] "A" "G" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "G" "T" "T" "G" "A" "A" "A" "A"
  [10333] "C" "A" "C" "A" "T" "T" "T" "G" "T" "C" "A" "C" "A" "A" "T" "A" "A" "T"
## [10351] "T" "A" "C" "T" "A" "T" "C" "T" "T" "G" "A" "C" "C" "A" "T" "G" "A"
## [10369] "A" "G" "T" "G" "G" "G" "A" "C" "A" "A" "C" "A" " " "G" "G" "T" "A" "G"
## [10387] "T" "T" "T" "C" "A" "C" "A" "G" "G" "G" "A" "A" "T" "A" "A" "A" "T" "G"
## [10405] "T" "T" "G" "T" "A" "A" "T" "T" "T" "T" "C" "G" "G" "T" "G" "T" "A" "A" "A"
## [10423] "A" "A" "G" "A" "T" "T" "T" "G" "A" "G" "A" "C" "T" "T" "C" "A" "G" "A"
## [10441] "A" "C" "A" "T" "T" "T" "T" "C" "A" "C" "A" " " "A" "G" "G" "T" "C" "T"
## [10459] "C" "C" "A" "A" "T" "A" "T" "C" "A" "T" "A" "G" "T" "T" "T" "A" "A"
## [10495] "A" "T" "T" "T" "C" "G" "G" "T" "C" "G" "A" "C" "T" "C" "T" "A" "G" "T"
  [10513] "A" "G" "T" "A" "C" "A" "A" "T" "A" "T" " "T" "C" "G" "T" "A" "G" "C"
## [10531] "T" "C" "T" "A" "T" "G" "T" "T" "A" "G" "A" "C" "A" "T" "G" "A" "G" "T"
## [10549] "A" "A" "T" "C" "G" "T" "A" "C" "T" "A" "C" "A" "G" "A" "T" "G" "T" "C"
## [10567] "T" "G" "T" "C" "G" "T" "G" "G" "T" "G" "G" "A" "T" "T" "T" "A" "A" "C"
  [10585] "G" "T" "T" "G" "C" "A" "C" "A" "A" " " "T" "A" "T" "G" "T" "G" "C" "A"
  [10603] "T" "C" "G" "T" "C" "T" "G" "A" "A" "A" "T" "C" "A" "C" "C" "A" "T" "G"
  [10621] "T" "A" "T" "T" "A" "G" "A" "T" "A" "T" "A" "G" "A" "C" "T" "G" "T" "G"
## [10639] "A" "T" "G" "A" "A" "C" "A" "A" "A" "A" "G" "G" "T" "A" "C" "T" "C" "T"
  [10657] "G" "A" "G" "T" "G" "T" "A" "C" " " "C" "T" "G" "A" "C" "A" "G" "T" "C"
## [10675] "T" "C" "A" "T" "T" "A" "T" "C" "T" "T" "T" "T" "T" "A" "C" "C" "A" "T"
## [10711] "T" "T" "C" "G" "T" "G" "A" "A" "A" "A" "T" "A" "G" "T" "T" "T" "T" "T" "C"
```

```
[10765] "G" "A" "C" "G" "G" "T" "G" "G" "T" "A" "G" "T" "G" "T" "T" "G" "G" "T"
## [10783] "C" "C" "G" "T" "T" "C" "A" "A" "T" "T" "C" "C" "A" "A" "A" "T" "C" "A"
## [10801] "T" "C" "G" "T" "G" "A" " " "G" "A" "T" "C" "A" "C" "A" "G" "T" "T" "T"
## [10819] "A" "G" "A" "T" "G" "T" "T" "G" "T" "T" "A" "C" "C" "T" "T" "A" "A"
## [10837] "T" "C" "G" "T" "C" "C" "T" "A" "T" "A" "G" "A" "T" "A" "G" "C" "T" "G"
## [10855] "T" "A" "A" "C" "G" "T" "T" "A" "A" "G" "G" "T" "T" "T" "T" "A" "T" "C"
  [10873] "C" "G" "T" "A" "T" " " "G" "T" "G" "G" "T" "A" "G" "A" "C" "A" "C" "T"
  [10891] "T" "A" "A" "A" "C" "A" "G" "T" "C" "T" "T" "A" "C" "A" "C" "A" "C" "A" "C" "C"
  [10909] "G" "T" "A" "T" "T" "C" "T" "T" "A" "T" "C" "T" "T" "A" "T" "T" "A" "A"
## [10927] "G" "A" "A" "G" "A" "T" "A" "A" "A" "T" "A" "T" "T" "C" "G" "A" "A"
  [10945] "A" "C" "A" "G" " " "T" "G" "A" "T" "G" "T" "T" "C" "C" "G" "A" "C" "A"
## [10963] "C" "G" "T" "A" "G" "T" "A" "T" "C" "T" "T" "G" "A" "A" "G" "G" "T" "A"
## [10981] "A" "G" "A" "T" "G" "T" "A" "G" "T" "C" "G" "A" "A" "C" "T" "C" "C" "A"
## [10999] "T" "G" "T" "G" "T" "G" "A" "A" "T" "T" "A" "T" "C" "G" "A" "A" "A" "T"
  [11017] "C" "C" "C" " " "A" "A" "T" "G" "G" "T" "T" "A" "C" "A" "G" "C" "A" "C"
  [11035] "T" "T" "C" "T" "T" "G" "A" "C" "C" "C" "T" "T" "A" "A" "A" "A" "C" "A" "G"
  [11053] "A" "C" "G" "A" "T" "T" "A" "T" "A" "C" "G" "T" "C" "G" "A" "A" "A"
## [11071] "T" "T" "G" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A" "A" "C" "T" "T" "G"
## [11089] "G" "A" " " "A" "A" "G" "A" "T" "G" "T" "T" "C" "G" "G" "C" "G" "T" "A"
## [11107] "A" "T" "T" "A" "G" "A" "A" "G" "T" "C" "A" "A" "G" "T" "A" "G" "T" "G"
## [11125] "G" "T" "T" "A" "A" "T" "A" "T" "C" "C" "T" "A" "T" "A" "A" "G" "T" "T"
## [11143] "A" "T" "C" "A" "G" "G" "T" "C" "A" "G" "T" "T" "G" "T" "G" "C" "G" "A"
## [11161] "A" " "T" "T" "G" "T" "T" "C" "G" "T" "G" "A" "G" "C" "A" "C" "C"
  [11179] "T" "G" "T" "C" "G" "A" "T" "C" "T" "G" "T" "G" "G" "A" "T" "C" "A" "G"
## [11197] "T" "A" "C" "T" "A" "A" "C" "G" "T" "A" "G" "T" "G" "T" "G" "T" "G" "A" "T"
  [11215] "C" "G" "A" "T" "G" "T" "A" "C" "A" "C" "G" "T" "A" "A" "T" "G" "G" "T"
## [11233] " " "A" "C" "C" "T" "G" "A" "A" "C" "T" "G" "T" "T" "A" "T" "G" "T" "C"
## [11251] "T" "A" "G" "T" "A" "C" "C" "A" "A" "G" "G" "A" "A" "A" "C" "A" "T" "C"
## [11269] "C" "A" "A" "T" "G" "G" "A" "C" "A" "T" "T" "T" "T" "G" "G" "G" "G" "T"
  [11287] "A" "A" "C" "A" "A" "C" "T" "T" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" " "
  [11305] "A" "T" "T" "T" "G" "C" "C" "T" "A" "A" "T" "A" "T" "C" "T" "G" "C" "A"
## [11323] "T" "T" "A" "G" "T" "T" "A" "G" "G" "T" "T" "A" "G" "G" "T" "T" "A" "T" "C" "T" "T" "A"
## [11341] "C" "T" "A" "C" "G" "G" "T" "T" "G" "T" "C" "C" "G" "T" "A" "T" "T" "C"
## [11359] "A" "C" "A" "G" "A" "C" "T" "T" "C" "G" "T" "C" "A" "C" "C" "T" " "T"
## [11377] "T" "T" "C" "G" "T" "A" "C" "A" "C" "G" "T" "G" "C" "A" "G" "A" "T"
## [11395] "A" "G" "T" "G" "T" "A" "T" "C" "T" "G" "T" "G" "T" "C" "C" "C" "A" "C"
## [11413] "G" "C" "G" "A" "G" "T" "C" "C" "A" "G" "G" "A" "T" "A" "A" "A" "A" "A" "G"
## [11431] "T" "G" "T" "T" "T" "T" "A" "T" "G" "A" "A" "G" "T" "A" "T" " " "C" "T"
## [11449] "A" "C" "A" "G" "T" "T" "G" "A" "G" "T" "T" "T" "C" "G" "G" "T" "A" "C"
## [11467] "A" "C" "G" "G" "G" "T" "A" "T" "T" "C" "T" "G" "T" "T" "T" "A" "T" "G"
## [11485] "C" "T" "G" "A" "G" "A" "C" "A" "G" "T" "C" "T" "C" "T" "C" "T" "A" "A"
## [11503] "A" "A" "A" "T" "T" "C" "A" "C" "A" "C" "A" "G" "T" "G" " " "A" "A" "T"
## [11521] "T" "G" "T" "A" "A" "A" "C" "A" "T" "G" "T" "T" "A" "G" "A" "A" "A" "T"
## [11539] "A" "T" "G" "C" "G" "T" "G" "A" "T" "G" "T" "A" "A" "G" "G" "T" "T" "C"
  [11557] "C" "T" "T" "C" "A" "G" "G" "A" "A" "A" "C" "A" "T" "G" "T" "A" "T" "T"
  [11575] "C" "A" "C" "C" "A" "T" "A" "C" "T" "C" "C" "A" "C" "A" "A" "A" "A" "T"
  [11593] "T" "T" "A" "A" "C" "T" "A" "G" "A" "G" "G" "T" "C" "C" "G" "C" "C" "A"
  [11611] "C" "C" "A" "A" "A" "T" "C" "G" "T" "G" "A" "T" "T" "G" "A" "G" "A" "C"
  [11629] "C" "T" "T" "T" "T" "T" "A" "G" "A" "C" "A" "T" "A" "A" "T" "A" "A" "T"
## [11647] "C" "C" "A" "C" "A" "T" "A" "G" "T" "T" "G" "T" " " "A" "T" "T" "G" "G"
## [11665] "A" "C" "A" "T" "C" "C" "A" "T" "G" "T" "C" "G" "T" "T" "G" "A" "T" "C"
## [11683] "C" "A" "A" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "C" "T" "T" "T" "T"
```

```
## [11701] "T" "G" "G" "A" "T" "C" "G" "A" "C" "A" "T" "T" "T" "C" "C" "A" "T" "T"
  [11719] "T" "A" "A" "C" "C" "A" "T" "G" "G" "T" "T" " "G" "T" "C" "G" "A" "A"
  [11737] "G" "A" "G" "A" "T" "C" "A" "T" "C" "G" "T" "A" "C" "T" "G" "T" "G" "T" "G" "G"
  [11755] "G" "G" "A" "G" "C" "T" "G" "T" "A" "G" "C" "T" "T" "C" "G" "G" "G" "T" "T"
## [11773] "A" "G" "G" "T" "A" "C" "G" "T" "G" "C" "A" "T" "G" "T" "A" "C" "A" "G"
## [11791] "A" "A" "T" "A" "T" "C" "G" "A" "A" "G" " " "A" "A" "G" "C" "G" "C" "C"
## [11809] "C" "A" "C" "T" "A" "T" "T" "G" "T" "A" "C" "A" "A" "T" "C" "C" "C"
## [11827] "A" "T" "G" "G" "G" "T" "A" "A" "T" "G" "A" "A" "C" "T" "A" "T" "T"
  [11845] "A" "A" "G" "T" "A" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "T" "A" "G"
  [11863] "T" "A" "T" "C" "T" "C" "T" "A" "C" " " "T" "C" "A" "G" "A" "A" "G" "A"
  [11881] "T" "A" "T" "C" "C" "A" "G" "T" "A" "C" "A" "G" "G" "A" "A" "T" "C" "C"
## [11899] "A" "T" "A" "C" "G" "G" "T" "C" "C" "A" "T" "A" "C" "A" "G" "T" "T" "G"
  [11917] "T" "G" "T" "A" "T" "T" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "A" "A"
## [11935] "C" "T" "T" "A" "A" "A" "T" "C" " " "A" "C" "A" "G" "T" "T" "G" "T" "G"
## [11953] "A" "C" "T" "C" "C" "A" "C" "A" "T" "C" "C" "A" "T" "C" "A" "C" "A" "C" "G" "G" "A"
## [11971] "C" "A" "C" "A" "T" "C" "C" "T" "A" "C" "A" "T" "T" "G" "G" "G" "T" "C"
  [12007] "G" "A" "A" "A" "T" "T" "T" " " "C" "T" "C" "A" "G" "G" "A" "C" "A" "A" "A"
  [12025] "T" "G" "T" "A" "A" "A" "A" "G" "T" "C" "G" "A" "A" "C" "A" "T" "T" "T"
## [12043] "C" "A" "A" "C" "G" "G" "T" "G" "T" "A" "A" "G" "G" "A" "T" "G" "C" "A"
## [12061] "C" "C" "T" "T" "A" "A" "A" "G" "T" "T" "C" "T" "G" "A" "A" "A" "C" "A" "T"
## [12079] "T" "T" "A" "A" "C" "G" " " "T" "T" "G" "A" "A" "C" "A" "G" "T" "A" "T"
## [12097] "T" "T" "C" "C" "A" "G" "A" "G" "A" "T" "A" "G" "T" "C" "T" "G" "T" "A"
## [12115] "A" "T" "A" "C" "G" "T" "T" "T" "C" "A" "T" "A" "C" "G" "G" "A" "T" "G"
## [12133] "A" "A" "A" "A" "C" "G" "A" "G" "A" "C" "C" "A" "T" "T" "A" "T" "C" "G"
  [12151] "T" "T" "G" "T" "A" " " "A" "T" "T" "T" "A" "G" "A" "C" "A" "A" "A" "T"
## [12169] "G" "T" "A" "A" "T" "G" "T" "C" "T" "C" "A" "C" "T" "C" "G" "A" "C"
## [12187] "A" "A" "A" "G" "T" "C" "A" "C" "C" "A" "A" "A" "C" "T" "C" "A" "C" "T"
## [12205] "T" "A" "T" "A" "C" "T" "G" "T" "A" "T" "C" "A" "G" "T" "A" "T" "A" "A"
## [12223] "G" "A" "C" "T" " "C" "G" "G" "G" "A" "C" "A" "C" "T" "A" "C" "T" "T"
## [12241] "A" "G" "T" "T" "G" "T" "C" "A" "A" "C" "T" "C" "A" "A" "C" "C" "A"
  [12259] "T" "C" "A" "G" "G" "G" "T" "T" "T" "T" "A" "G" "A" "A" "A" "C" "T" "C"
## [12277] "C" "G" "A" "T" "G" "T" "C" "G" "T" "A" "A" "G" "A" "C" "A" "C" "T" "T"
## [12295] "A" "A" "T" " " "A" "T" "T" "C" "C" "A" "C" "T" "T" "T" "A" "T" "T" "T" "T"
## [12313] "C" "T" "G" "T" "C" "G" "A" "A" "A" "A" "G" "A" "G" "G" "T" "T" "C" "G"
## [12331] "T" "C" "C" "C" "A" "A" "T" "G" "C" "A" "C" "A" "T" "T" "C" "C" "T" "T"
## [12349] "A" "A" "G" "A" "G" "A" "T" "G" "G" "T" "G" "C" "G" "G" "A" "T" "A"
## [12367] "A" "A" " " " "C" "A" "C" "C" "G" "G" "A" "C" "A" "A" "T" "T" "A" "A" "C"
## [12385] "G" "T" "C" "T" "A" "C" "T" "T" "T" "G" "T" "A" "G" "T" "A" "C" "G" "C"
## [12403] "A" "C" "T" "A" "T" "T" "G" "T" "G" "G" "G" "A" "A" "T" "A" "T" "T" "T" "T"
## [12421] "T" "G" "T" "A" "A" "A" "A" "T" "T" "T" "C" "G" "T" "A" "A" "C" "T" "C"
## [12439] "G" " " "A" "C" "T" "A" "A" "A" "G" "A" "A" "A" "A" "T" "A" "C" "A"
## [12457] "C" "G" "A" "A" "A" "T" "T" "C" "G" "A" "A" "T" "A" "A" "T" "A" "G" "T"
## [12475] "A" "T" "T" "T" "G" "G" "T" "T" "T" "C" "G" "T" "G" "A" "G" "T" "G" "T"
## [12493] "C" "A" "C" "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "G" "T" "C" "G" "T"
## [12511] " " "C" "C" "T" "G" "T" "T" "G" "C" "G" "G" "C" "T" "G" "T" "T" "C" "A"
  [12529] "A" "G" "G" "C" "T" "C" "C" "T" "T" "G" "T" "A" "C" "A" "G" "A" "C" "C"
## [12547] "T" "G" "G" "A" "T" "A" "T" "C" "A" "A" "A" "A" "G" "T" "A" "T" "T" "C"
  [12565] "A" "G" "A" "T" "G" "T" "G" "T" "G" "A" "C" "T" "T" "A" "A" "C" "T" "
## [12583] "T" "T" "A" "T" "A" "A" "G" "A" "C" "C" "A" "A" "G" "A" "T" "C" "A" "C"
## [12601] "A" "C" "G" "G" "G" "A" "A" "T" "C" "A" "A" "T" "C" "G" "T" "T" "A" "C"
## [12619] "A" "C" "G" "C" "A" "C" "C" "A" "C" "G" "T" "C" "C" "A" "T" "T" "A" "A"
## [12637] "C" "T" "C" "G" "T" "C" "C" "C" "A" "G" "C" "G" "G" "T" "T" "A" " " "C"
## [12655] "A" "T" "G" "T" "G" "T" "A" "T" "C" "A" "C" "G" "A" "A" "T" "C" "G" "T"
```

```
## [12673] "G" "C" "A" "T" "T" "A" "G" "A" "C" "C" "G" "T" "A" "A" "C" "T" "G" "T"
  ## [12709] "C" "A" "C" "C" "G" "G" "T" "A" "A" "C" "T" "T" "T" "A" "A" " " " "A" "G"
## [12727] "T" "A" "G" "T" "T" "T" "C" "T" "G" "T" "G" "A" "T" "A" "T" "A" "G"
## [12745] "A" "C" "G" "A" "C" "A" "G" "C" "A" "G" "A" "G" "T" "C" "C" "G" "T" "T"
## [12763] "A" "C" "G" "T" "A" "A" "A" "T" "G" "T" "C" "A" "T" "G" "T" "T" "T" "T"
## [12781] "C" "T" "G" "T" "A" "T" "G" "A" "C" "A" "A" "G" "A" "T" " " "T" "A" "C"
## [12799] "A" "A" "C" "T" "T" "A" "A" "G" "T" "G" "A" "A" "A" "A" "C" "T" "T" "A" "A"
  [12817] "A" "T" "A" "G" "T" "T" "T" "T" "G" "T" "G" "A" "G" "A" "T" "G" "A" "T" "G"
  [12835] "C" "T" "C" "G" "T" "G" "C" "A" "C" "G" "T" "C" "C" "A" "T" "A" "T" "T"
  [12853] "A" "A" "G" "A" "T" "G" "A" "T" "G" "T" "A" "A" "A" "A" " "T" "A" "G" "A"
## [12889] "C" "G" "A" "A" "G" "A" "G" "T" "G" "T" "A" "T" "C" "A" "C" "G" "T"
## [12907] "A" "G" "T" "T" "G" "T" "C" "G" "C" "G" "T" "A" "C" "T" "C" "T" "C"
## [12925] "G" "T" "T" "C" "G" "A" "C" "A" "T" "A" "T" "G" " " "T" "G" "A" "T" "A"
## [12943] "C" "G" "C" "T" "C" "G" "T" "C" "T" "T" "C" "C" "C" "A" "T" "C" "A" "T"
  [12961] "C" "T" "C" "T" "C" "G" "A" "T" "C" "C" "G" "G" "G" "T" "T" "A" "T" "C" "G"
## [12979] "T" "T" "T" "A" "C" "T" "G" "A" "G" "A" "A" "T" "G" "G" "T" "C" "A"
## [12997] "T" "G" "G" "T" "C" "C" "A" "C" "C" "A" "G" " " "G" "G" "A" "C" "C" "T"
## [13015] "C" "A" "C" "A" "T" "C" "T" "T" "A" "T" "G" "A" "A" "A" "A" "A" "C" "G" "T"
## [13033] "A" "T" "G" "G" "T" "T" "G" "G" "A" "A" "A" "A" "C" "T" "A" "T" "T" "A"
## [13051] "A" "A" "C" "G" "T" "T" "G" "T" "A" "A" "C" "G" "A" "T" "C" "T" "T" "T"
## [13069] "T" "G" "A" "G" "T" "A" "G" "A" "C" "T" " " "C" "T" "A" "T" "A" "A" "C"
## [13087] "T" "C" "A" "C" "A" "A" "C" "C" "C" "A" "T" "A" "T" "T" "C" "G" "G" "T"
## [13105] "C" "A" "T" "T" "A" "A" "G" "A" "T" "T" "G" "T" "A" "T" "C" "A" "C" "G"
  [13123] "A" "G" "A" "A" "C" "A" "C" "C" "G" "T" "G" "A" "T" "C" "A" "C" "A" "T"
## [13141] "C" "C" "A" "C" "G" "T" "G" "A" "A" " " " "T" "T" "A" "C" "C" "G" "T" "A"
  [13159] "A" "T" "G" "A" "C" "A" "T" "A" "C" "A" "C" "T" "A" "C" "A" "G" "T" "C"
## [13177] "G" "T" "G" "T" "T" "T" "A" "T" "A" "G" "T" "G" "G" "T" "T" "G"
## [13195] "T" "A" "A" "A" "T" "T" "A" "A" "A" "C" "A" "T" "T" "C" "A" "A" "C" "A"
## [13213] "A" "C" "A" "T" "G" "G" "A" "G" " " "C" "C" "A" "T" "T" "T" "G" "T" "T"
  [13231] "G" "T" "C" "G" "T" "A" "G" "T" "G" "G" "T" "A" "G" "T" "A" "G" "T" "A" "G" "T" "G"
  [13249] "G" "A" "A" "A" "A" "A" "G" "T" "T" "T" "C" "C" "A" "C" "A" "T" "G" "A"
## [13267] "G" "A" "G" "G" "A" "T" "A" "A" "A" "C" "A" "T" "G" "A" "A" "A" "T" "G"
## [13285] "A" "C" "A" "A" "A" "A" "A" "T" "C" "A" "A" "T" "G" "T" "G" "C" "T"
## [13303] "A" "T" "T" "G" "G" "T" "C" "A" "T" "T" "T" "C" "T" "G" "T" "A" "T" "T"
## [13321] "A" "A" "A" "G" "C" "C" "A" "A" "T" "T" "C" "A" "C" "C" "A" "C" "C" "A"
## [13339] "G" "A" "T" "C" "C" "A" "A" "A" "T" "G" "G" "T" "T" "G" "A" "A" "A" "G" "G"
## [13357] "G" "T" "A" "C" "T" "T" " "T" "C" "T" "A" "C" "A" "T" "T" "A" "A" "G"
## [13375] "A" "G" "A" "C" "A" "G" "T" "C" "T" "G" "T" "C" "G" "T" "G" "A" "A" "A" "G"
## [13393] "T" "G" "C" "A" "T" "G" "T" "C" "A" "T" "C" "G" "T" "T" "A" "T" "G" "G"
## [13411] "T" "A" "T" "T" "C" "T" "G" "T" "C" "A" "A" "A" "T" "T" "T" "A" "C" "A"
## [13429] "G" "A" "G" "G" "A" " " "G" "T" "C" "A" "T" "C" "G" "A" "A" "A" "C" "T"
## [13447] "C" "G" "C" "A" "A" "G" "A" "C" "G" "A" "C" "G" "T" "T" "T" "T" "T" "T"
## [13465] "C" "G" "A" "A" "C" "T" "C" "A" "G" "A" "A" "A" "G" "T" "C" "A" "T" "G"
## [13483] "T" "C" "C" "A" "C" "A" "A" "T" "C" "G" "A" "T" "T" "T" "T" "A" "C" "A"
  [13501] "T" "T" "A" "G" " " "T" "G" "G" "T" "C" "G" "T" "A" "A" "A" "A" "C" "A" "G"
  [13537] "C" "G" "T" "A" "A" "T" "T" "T" "C" "A" "G" "T" "C" "A" "T" "T" "G" "T"
## [13555] "A" "A" "T" "A" "G" "C" "G" "A" "T" "G" "G" "T" "T" "G" "T" "G" "T" "A"
## [13591] "T" "T" "T" "T" "T" "G" "A" "A" "C" "A" "G" "G" "T" "A" "A" "T" "C" "G"
## [13609] "T" "G" "T" "G" "T" "T" "A" "C" "C" "T" "T" "T" "T" "G" "A" "T" "T" "A"
## [13627] "C" "C" "C" "A" "C" "C" "A" "A" "A" "T" "A" "C" "A" "C" "T" "A" "A" "A" "A"
```

```
## [13645] "T" "G" " " "T" "T" "A" "T" "A" "T" "C" "G" "A" "G" "T" "A" "T" "G"
  [13663] "G" "A" "G" "G" "A" "T" "T" "C" "A" "T" "T" "T" "C" "A" "A" "A" "C" "T" "C"
  [13681] "A" "G" "T" "G" "T" "A" "G" "A" "C" "A" "C" "T" "G" "T" "A" "G" "T" "G"
## [13699] "T" "T" "G" "G" "A" "C" "C" "T" "C" "G" "T" "A" "A" "C" "G" "T" "T" "T"
## [13717] "G" " " "T" "A" "T" "G" "C" "C" "T" "A" "A" "T" "T" "G" "T" "C" "T" "G"
## [13735] "T" "T" "C" "T" "G" "A" "T" "T" "A" "A" "A" "T" "A" "C" "A" "C" "T" "A"
## [13753] "C" "A" "A" "C" "T" "A" "T" "A" "C" "T" "G" "T" "A" "C" "C" "A" "G" "C"
## [13771] "A" "T" "T" "G" "T" "C" "G" "T" "A" "A" "A" "T" "G" "T" "T" "G" "T" "A"
  [13789] " " "T" "T" "C" "T" "T" "A" "C" "C" "A" "G" "A" "T" "G" "C" "A" "T" "A"
  [13807] "C" "G" "T" "T" "C" "G" "T" "G" "G" "T" "G" "T" "A" "A" "A" "T" "T"
  [13825] "A" "C" "T" "T" "C" "A" "G" "A" "C" "A" "C" "T" "T" "A" "A" "C" "G" "T"
## [13843] "T" "T" "C" "T" "T" "G" "T" "G" "T" "T" "C" "G" "G" "G" "G" "G" "T" "T" "
## [13861] "G" "T" "C" "G" "G" "A" "C" "A" "T" "T" "C" "T" "G" "A" "C" "A" "T" "A"
## [13879] "C" "G" "C" "C" "A" "C" "A" "T" "G" "T" "A" "T" "C" "G" "G" "A"
## [13897] "G" "T" "A" "T" "T" "T" "T" "G" "A" "G" "T" "C" "C" "A" "A" "G" "G" "G"
## [13915] "T" "T" "A" "T" "G" "G" "A" "A" "C" "T" "T" "C" "A" "C" "A" "A" " " " "T"
  [13933] "A" "G" "T" "A" "A" "T" "C" "A" "T" "C" "G" "T" "A" "T" "T" "G" "T"
  [13951] "C" "T" "T" "A" "T" "G" "T" "A" "C" "A" "G" "A" "T" "T" "G" "T" "A" "C"
## [13969] "A" "C" "A" "G" "G" "A" "C" "A" "A" "T" "T" "G" "A" "G" "T" "A" "G" "T"
## [13987] "A" "C" "A" "T" "C" "G" "A" "A" "A" "G" "A" "A" "T" "A" "C" " " "A" "T"
## [14005] "A" "A" "C" "A" "T" "T" "C" "A" "T" "G" "T" "T" "T" "A" "C" "T" "T" "T"
## [14023] "C" "T" "G" "T" "A" "G" "T" "C" "G" "T" "A" "T" "G" "A" "G" "G" "A" "C"
## [14041] "T" "A" "A" "T" "C" "C" "T" "A" "C" "A" "A" "A" "T" "C" "A" "T" "T" "C"
## [14059] "A" "C" "C" "C" "A" "T" "T" "C" "G" "T" "A" "G" "A" "T" " " "A" "T" "C"
## [14077] "G" "A" "T" "T" "T" "C" "T" "G" "T" "G" "C" "T" "T" "G" "G" "C" "A" "A"
## [14095] "G" "T" "T" "A" "G" "T" "A" "T" "T" "C" "A" "C" "A" "T" "G" "G" "T" "A"
## [14113] "G" "A" "C" "A" "A" "A" "A" "A" "G" "T" "G" "C" "T" "A" "T" "A" "G" "T" "A"
## [14131] "G" "A" "T" "G" "T" "T" "T" "G" "T" "C" "G" "G" " "" "C" "C" "G" "G"
## [14149] "G" "G" "A" "T" "C" "C" "T" "A" "A" "G" "A" "A" "C" "T" "A" "C" "C" "T"
## [14167] "A" "G" "A" "C" "C" "C" "A" "T" "T" "C" "C" "T" "T" "C" "C" "A" "T" "G"
## [14185] "T" "G" "T" "A" "T" "T" "A" "G" "T" "A" "G" "T" "G" "G" "G" "G" "A" "C" "A"
  [14203] "A" "A" "T" "T" "G" "A" "T" "C" "G" "T" "A" "A" " "A" " "C" "A" "T" "A" "C"
## [14221] "A" "A" "C" "T" "C" "T" "C" "G" "T" "T" "T" "T" "A" "A" "G" "T" "A" "C"
## [14239] "T" "C" "C" "A" "G" "G" "A" "A" "A" "C" "A" "T" "C" "C" "A" "G"
## [14257] "T" "C" "A" "G" "A" "G" "T" "C" "A" "G" "G" "T" "T" "G" "T" "A" "A" "A"
## [14275] "A" "C" "G" "A" "A" "G" "T" "C" "T" "G" "T" " " "A" "T" "T" "T" "T" "T" "T"
## [14329] "A" "A" "T" "A" "C" "G" "A" "T" "C" "G" "G" "T" "G" "A" "T" "C" "T" "G"
## [14347] "G" "A" "A" "C" "T" "C" "T" "A" "C" "G" " " "T" "A" "T" "T" "C" "A" "C"
## [14365] "G" "A" "T" "A" "A" "C" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "G" "T"
## [14383] "C" "G" "T" "A" "G" "C" "A" "G" "T" "C" "T" "C" "T" "C" "A" "T" "A" "G"
## [14401] "T" "A" "G" "T" "A" "A" "C" "T" "C" "T" "T" "T" "A" "C" "A" "A" "A" "A" "T"
## [14419] "G" "C" "G" "T" "T" "A" "T" "A" " " " "C" "G" "C" "A" "T" "T" "T" "T"
## [14437] "G" "A" "G" "T" "A" "A" "G" "T" "G" "T" "T" "T" "C" "A" "G" "A" "C" "A"
## [14455] "C" "A" "G" "T" "T" "G" "T" "A" "G" "A" "G" "A" "T" "A" "A" "A" "A" "G" "A"
  [14473] "T" "A" "T" "C" "T" "C" "T" "G" "T" "G" "A" "G" "T" "A" "T" "T" "T" "C"
## [14491] "A" "G" "A" "C" "A" "C" "A" "A" " " "C" "A" "T" "T" "T" "A" "A" "C" "G"
  [14509] "C" "C" "T" "G" "T" "A" "T" "G" "A" "A" "T" "A" "G" "C" "C" "G" "T" "T"
## [14527] "A" "A" "A" "A" "C" "A" "A" "T" "G" "G" "T" "A" "G" "T" "C" "A" "T" "C"
          "T" "A" "T" "T" "T" "T" "C" "A" "C" "G" "T" "A" "A" "T" "T" "G" "T" "A"
## [14545]
## [14563] "A" "C" "C" "G" "G" "C" "A" " " "C" "T" "G" "T" "C" "G" "A" "A" "C" "T"
## [14581] "G" "T" "T" "T" "A" "C" "A" "A" "T" "T" "T" "T" "T" "G" "T" "G" "A" "T"
## [14599] "A" "A" "T" "C" "G" "T" "A" "T" "T" "C" "G" "T" "C" "A" "A" "C" "A" "C" "A" "C"
```

```
## [14617] "C" "G" "T" "A" "G" "A" "G" "G" "A" "C" "T" "A" "C" "T" "C" "C" "A" "A"
  [14635] "G" "G" "T" "G" "G" "A" " " "C" "C" "A" "A" "A" "T" "T" "G" "T" "A" "T"
## [14653] "A" "T" "C" "A" "C" "T" "T" "G" "G" "C" "G" "G" "T" "G" "T" "G" "T" "A"
## [14671] "C" "T" "G" "G" "T" "A" "A" "A" "G" "T" "G" "A" "G" "T" "T" "A" "T" "G"
## [14689] "A" "A" "C" "T" "C" "G" "T" "G" "T" "G" "A" "G" "T" "A" "A" "T" "C" "G"
## [14707] "A" "T" "T" "A" "G" " " "A" "T" "A" "T" "C" "T" "T" "T" "G" "C" "C" "A"
## [14725] "C" "A" "C" "T" "G" "T" "T" "C" "G" "A" "T" "G" "T" "T" "G" "T" "G" "C"
## [14743] "A" "A" "C" "A" "T" "A" "C" "A" "A" "C" "G" "C" "T" "C" "G" "T" "T"
  [14761] "C" "T" "T" "G" "T" "T" "C" "A" "C" "T" "C" "C" "G" "G" "T" "A" "T" "T"
  [14779] "A" "A" "G" "A" " "T" "T" "C" "G" "T" "A" "C" "A" "A" "T" "C" "C" "G"
  [14797] "T" "A" "C" "C" "G" "A" "G" "A" "T" "A" "G" "T" "G" "T" "A" "A" "A" "A" "T"
## [14815] "C" "C" "T" "A" "T" "T" "A" "G" "G" "G" "T" "T" "G" "G" "G" "T" "A" "T"
  [14833] "T" "C" "C" "A" "C" "T" "C" "C" "C" "A" "A" "A" "A" "A" "G" "A" "T" "G" "T"
## [14851] "A" "G" "T" " "G" "A" "T" "A" "T" "T" "T" "G" "T" "C" "A" "A" "A" "A" "A"
## [14869] "A" "T" "T" "G" "T" "A" "C" "A" "C" "A" "C" "G" "G" "G" "T" "T" "G" "G"
## [14887] "T" "G" "G" "T" "A" "T" "C" "T" "T" "A" "A" "A" "C" "G" "A" "A" "C" "A"
  [14905] "A" "G" "G" "T" "T" "A" "A" "T" "G" "A" "T" "G" "T" "C" "A" "T" "C" "G"
## [14923] "A" "G" " "G" "A" "G" "A" "T" "C" "A" "C" "C" "G" "C" "C" "G" "A" "T"
## [14959] "C" "T" "A" "C" "T" "T" "T" "G" "A" "C" "A" "G" "A" "T" "A" "A" "C" "C"
## [14977] "A" "G" "T" "A" "T" "C" "A" "T" "G" "A" "T" "G" "T" "C" "T" "A" "T" "C"
## [14995] "T" " "C" "T" "G" "T" "G" "G" "T" "C" "G" "A" "T" "G" "C" "C" "A" "C"
## [15013] "G" "C" "T" "C" "G" "A" "G" "A" "T" "A" "A" "G" "A" "A" "A" "A" "C" "G" "T"
## [15031] "G" "A" "T" "T" "A" "C" "C" "G" "T" "A" "T" "G" "A" "A" "T" "T" "C" "T"
## [15049] "A" "A" "G" "T" "A" "A" "A" "C" "T" "C" "A" "A" "T" "A" "T" "C" "A" "T"
  [15067] " " "C" "C" "C" "T" "A" "C" "T" "G" "T" "A" "A" "T" "G" "C" "A" "A" "A" "A"
## [15085] "A" "C" "A" "T" "A" "T" "A" "C" "G" "C" "T" "T" "T" "T" "T" "C" "A" "C" "G"
  [15103] "T" "A" "G" "A" "A" "C" "T" "A" "G" "G" "A" "G" "T" "A" "T" "T" "G" "A"
## [15139] "C" "A" "G" "A" "T" "C" "G" "G" "A" "A" "T" "G" "G" "G" "G" "T" "A" "A"
## [15157] "A" "T" "A" "A" "T" "T" "T" "A" "C" "C" "T" "T" "T" "T" "G" "G" "T" "C"
  [15175] "G" "A" "C" "T" "A" "A" "A" "C" "A" "G" "A" "T" "C" "C" "A" "A" "C" "A"
  [15193] "A" "C" "T" "G" "C" "T" "A" "C" "T" "G" "A" "A" "C" "C" "A" "A" "A" " "T"
  [15211] "C" "G" "T" "A" "A" "T" "T" "A" "T" "G" "T" "C" "G" "G" "T" "G" "G" "T"
## [15229] "A" "G" "C" "A" "T" "T" "G" "T" "T" "A" "G" "T" "T" "T" "C" "A" "T" "G"
## [15247] "A" "A" "T" "A" "G" "T" "T" "G" "T" "T" "G" "A" "A" "G" "T" "T" "G" "A"
## [15265] "T" "G" "T" "T" "T" "A" "T" "C" "A" "T" "C" "A" "A" "C" "A" " " "G" "A"
## [15301] "A" "T" "C" "T" "A" "A" "T" "A" "T" "T" "G" "C" "T" "A" "T" "C" "A" "T"
## [15319] "C" "A" "G" "T" "A" "T" "T" "A" "G" "C" "G" "A" "C" "T" "A" "T" "C" "G"
## [15337] "T" "C" "G" "T" "A" "A" "T" "G" "G" "T" "A" "G" "G" "A" " " "C" "T" "C"
## [15355] "G" "T" "T" "T" "C" "T" "T" "C" "T" "T" "C" "A" "A" "A" "A" "A" "A" "T"
## [15373] "T" "A" "A" "G" "T" "T" "G" "T" "C" "T" "T" "G" "A" "A" "G" "G" "A" "A"
## [15391] "G" "G" "A" "A" "T" "T" "T" "C" "T" "T" "G" "G" "G" "A" "A" "T" "C"
## [15409] "T" "G" "T" "G" "T" "C" "G" "T" "T" "T" "C" "A" "G" " " "T" "A" "T" "C"
## [15427] "T" "T" "C" "A" "G" "A" "A" "A" "C" "A" "A" "T" "T" "T" "T" "A" "A" "T"
  [15445] "G" "G" "C" "C" "C" "A" "A" "A" "C" "T" "G" "T" "C" "A" "A" "A" "C" "T"
  [15463] "T" "T" "T" "C" "G" "T" "T" "G" "T" "A" "A" "C" "A" "A" "T" "C" "A" "T"
  [15481] "T" "C" "A" "C" "G" "T" "C" "G" "A" "T" "G" "A" " " "C" "T" "T" "T" "T"
## [15499] "C" "G" "T" "G" "C" "A" "T" "C" "A" "C" "G" "C" "A" "A" "A" "T" "A" "G"
         "A" "T" "C" "A" "T" "T" "A" "T" "C" "T" "A" "A" "T" "G" "G" "T" "C" "T"
## [15517]
## [15535] "T" "C" "G" "T" "C" "G" "C" "A" "C" "G" "T" "A" "T" "C" "G" "T" "C" "C"
## [15553] "C" "A" "G" "T" "C" "G" "T" "C" "G" "T" "A" " " "T" "G" "T" "G" "T" "T"
## [15571] "C" "A" "T" "T" "A" "A" "G" "G" "A" "A" "T" "T" "T" "T" "G" "A" "T" "T"
```

```
## [15589] "C" "A" "G" "A" "T" "C" "T" "C" "G" "A" "T" "A" "C" "A" "T" "T" "C" "A"
  [15607] "A" "A" "T" "G" "T" "A" "G" "G" "A" "C" "T" "A" "A" "T" "A" "A" "T"
  [15625] "G" "T" "T" "G" "T" "G" "G" "A" "T" "C" " " "G" "A" "G" "A" "G" "A" "G" "A" "C"
## [15643] "T" "T" "C" "A" "C" "C" "A" "T" "A" "G" "G" "T" "C" "A" "A" "C" "T" "T"
## [15661] "T" "G" "A" "T" "G" "T" "T" "T" "A" "C" "C" "T" "T" "G" "T" "G" "G" "T"
## [15697] "T" "G" "A" "T" "C" "A" "C" "C" "A" " "G" "G" "T" "T" "T" "T" "G" "A"
## [15715] "A" "C" "A" "T" "C" "C" "A" "C" "C" "T" "T" "G" "T" "G" "A" "C" "A"
  [15733] "T" "C" "T" "C" "T" "T" "A" "T" "T" "T" "T" "G" "T" "A" "A" "T" "T" "T"
  [15751] "C" "A" "A" "A" "C" "G" "T" "G" "T" "T" "A" "C" "G" "T" "C" "T" "T" "A"
  [15769] "C" "G" "T" "A" "G" "A" "C" "A" " " "G" "T" "A" "G" "G" "T" "T" "T" "T" "G"
## [15787] "T" "C" "A" "A" "T" "T" "G" "T" "G" "T" "A" "A" "A" "A" "C" "C" "C" "A"
  [15805] "C" "C" "A" "T" "A" "C" "A" "G" "A" "C" "T" "A" "G" "G" "G" "T" "T" "A"
## [15823] "T" "A" "A" "A" "T" "T" "T" "T" "A" "T" "G" "C" "C" "A" "G" "T" "T"
## [15841] "T" "C" "T" "C" "A" "A" "A" " " "A" "T" "T" "G" "G" "A" "G" "A" "G" "A"
## [15859] "A" "G" "G" "C" "A" "C" "T" "T" "C" "A" "G" "T" "A" "T" "A" "A" "A" "A" "A"
  Γ15877]
         "T" "T" "G" "T" "T" "T" "A" "G" "G" "G" "T" "G" "A" "A" "T" "T" "A" "C"
  [15895] "A" "T" "T" "C" "C" "G" "A" "A" "A" "C" "A" "A" "T" "T" "C" "A" "G" "T"
  [15913] "C" "A" "C" "A" "G" "T" " " "T" "G" "T" "A" "C" "A" "C" "T" "G" "A" "G"
## [15931] "A" "C" "G" "T" "C" "A" "A" "T" "T" "T" "C" "G" "G" "G" "A" "C" "C" "A"
## [15949] "G" "T" "T" "C" "C" "A" "A" "T" "T" "A" "T" "A" "T" "C" "C" "G" "T" "A"
## [15985] "T" "A" "G" "A" "T" " "G" "T" "T" "G" "T" "C" "C" "T" "T" "G" "A" "G"
## [16003] "G" "T" "G" "A" "T" "G" "G" "A" "C" "C" "G" "C" "A" "C" "C" "A" "A" "A" "A"
## [16021] "C" "A" "T" "A" "C" "T" "T" "A" "G" "T" "G" "G" "C" "T" "T" "A" "A"
  [16039] "G" "T" "A" "T" "G" "G" "T" "C" "A" "A" "T" "G" "G" "T" "A" "A" "C" "T"
## [16057] "C" "T" "A" "G" " " "A" "A" "C" "T" "A" "A" "T" "A" "G" "A" "T" "T" "A"
  ## [16093] "G" "G" "T" "C" "G" "T" "A" "A" "A" "G" "C" "G" "T" "A" "C" "C" "G" "T"
## [16111] "A" "G" "T" "G" "T" "C" "T" "T" "A" "A" "C" "A" "T" "G" "A" "C" "A" "A"
## [16129] "A" "A" "A" " "T" "T" "G" "T" "T" "T" "C" "G" "A" "A" "C" "C" "G" "C"
  [16147] "A" "T" "G" "T" "G" "C" "A" "A" "G" "T" "G" "G" "A" "T" "T" "C" "A" "A"
  [16165] "C" "C" "G" "C" "A" "T" "A" "T" "G" "C" "G" "C" "A" "T" "T" "A" "T" "A"
  [16183] "T" "A" "G" "A" "C" "C" "C" "A" "A" "A" "A" "A" "G" "A" "T" "G" "T" "T"
  [16201] "T" "A" " " "G" "T" "A" "T" "G" "G" "T" "C" "A" "G" "G" "A" "A" "A" "A" "A"
## [16219] "A" "T" "A" "A" "C" "T" "T" "T" "A" "T" "A" "G" "T" "A" "G" "T" "A"
## [16255] "G" "T" "T" "C" "A" "T" "A" "A" "A" "G" "A" "A" "A" "A" "A" "T" "T" "A" "C"
## [16273] "A" " "C" "A" "G" "T" "G" "T" "A" "A" "T" "G" "G" "A" "A" "G" "T"
## [16291] "A" "G" "T" "T" "T" "T" "A" "C" "G" "G" "A" "A" "T" "T" "T" "T" "C" "G" "T"
## [16309] "A" "T" "C" "T" "G" "C" "T" "C" "C" "A" "G" "A" "C" "G" "G" "T" "A" "A"
## [16327] "C" "A" "C" "A" "T" "A" "A" "A" "T" "C" "A" "T" "C" "T" "G" "C" "A"
## [16345] " " "A" "C" "T" "G" "C" "A" "C" "T" "A" "T" "A" "T" "A" "C" "A" "C" "C"
## [16363] "A" "T" "G" "G" "T" "A" "C" "A" "G" "T" "G" "G" "C" "A" "G" "A" "T" "A"
## [16381] "A" "G" "A" "T" "T" "T" "G" "A" "A" "T" "T" "T" "C" "T" "T" "C" "A" "G"
## [16399] "T" "A" "C" "A" "A" "A" "T" "C" "G" "T" "T" "G" "T" "C" "G" "A" "C" "
  [16417] "C" "T" "G" "T" "T" "A" "G" "G" "A" "A" "T" "T" "C" "A" "T" "T" "T" "A"
  [16435] "A" "T" "A" "T" "T" "T" "A" "A" "C" "A" "A" "A" "G" "A" "A" "G" "T" "A"
  [16453] "C" "A" "A" "C" "C" "A" "T" "C" "A" "A" "T" "C" "T" "C" "T" "C" "T" "T" "T" "C"
[16489] "T" "T" "C" "A" "T" "T" "C" "T" "T" "A" "G" "T" "T" "A" "A" "T" "T" "T"
## [16507] "A" "A" "C" "A" "G" "T" "A" "G" "A" "A" "G" "C" "A" "G" "G" "A" "A" "A" "A"
## [16525] "A" "G" "A" "A" "C" "C" "T" "T" "C" "G" "C" "T" "G" "T" "T" "G" "T" "T"
```

```
## [16561] "T" "C" "G" "T" "T" "T" "T" "G" "G" "T" "C" "G" "A" "T" "G" "A" "A" "A" "A"
   [16579] "T" "A" "G" "T" "A" "A" "C" "A" "T" "C" "T" "A" "C" "A" "G" "T" "T"
  [16597] "T" "C" "G" "G" "G" "A" "C" "A" "T" "A" "T" "G" "C" "T" "G" "T" "A" "G"
  [16615] "T" "C" "A" "T" "G" "A" "T" "C" "A" "C" "G" "G" "A" "C" " A" "C" " "A" "C" "G"
## [16633] "G" "C" "G" "T" "G" "C" "C" "A" "C" "A" "T" "T" "C" "T" "G" "C" "C" "C"
## [16651] "G" "A" "C" "G" "T" "G" "A" "A" "T" "G" "T" "G" "G" "C" "G" "T" "T" "T"
## [16669] "G" "G" "G" "C" "A" "A" "A" "T" "T" "T" "T" "T" "G" "C" "T" "A" "A" "C"
## [16687] "A" "C" "G" "T" "A" "G" "T" "C" "G" "A" "C" "T" "G" " " "A" "C" "T" "T"
  [16705] "C" "G" "T" "A" "C" "C" "C" "A" "A" "G" "C" "G" "C" "G" "C" "T" "C" "A" "A"
  [16723] "C" "T" "A" "G" "T" "G" "T" "G" "A" "T" "G" "T" "C" "G" "G" "T" "A"
  [16741] "T" "T" "G" "G" "A" "A" "A" "G" "G" "T" "G" "T" "A" "T" "G" "G" "C" "G"
## [16759] "T" "C" "T" "G" "C" "C" "A" "T" "G" "T" "C" "T" " " "G" "A" "C" "A" "C"
  [16777] "A" "A" "A" "A" "A" "T" "T" "T" "C" "A" "C" "A" "T" "T" "T" "T" "T" "G" "G" "G"
## [16795] "T" "G" "T" "C" "C" "C" "A" "G" "T" "A" "A" "T" "C" "G" "T" "G" "T" "T"
## [16813] "C" "A" "A" "C" "A" "T" "C" "C" "A" "T" "A" "A" "A" "A" "C" "A" "T" "G" "T"
## [16831] "A" "T" "G" "A" "A" "T" "G" "G" "A" "A" "A" "A" " " "A" "T" "T" "C" "A" "G"
  Г168497
          "T" "G" "T" "T" "T" "T" "A" "G" "G" "A" "A" "A" "T" "C" "C" "T" "A" "A" "A"
  [16867] "A" "C" "C" "T" "A" "C" "T" "A" "G" "A" "T" "A" "C" "A" "C" "C" "C" "G" "T"
## [16885] "T" "G" "C" "C" "G" "T" "C" "A" "T" "G" "T" "C" "T" "G" "T" "G" "T" "G" "T"
## [16921] "T" "A" "A" "G" "A" "A" "C" "T" "A" "G" "G" "T" "A" "T" "A" "A" "C" "C"
## [16939] "G" "A" "A" "G" "G" "C" "C" "A" "C" "A" "T" "T" "G" "A" "C" "A" "A" "T"
## [16957] "A" "A" "C" "G" "G" "A" "C" "T" "G" "G" "T" "C" "A" "T" "G" "G" "T" "C"
## [16975] "A" "C" "A" "C" "A" "C" "A" "T" "G" " " "T" "G" "T" "T" "G" "T" "A" "G"
## [16993] "A" "A" "T" "T" "G" "T" "G" "T" "A" "A" "A" "T" "C" "A" "C" "T" "A" "A"
  [17011] "C" "C" "A" "A" "C" "A" "G" "G" "G" "G" "G" "T" "G" "A" "T" "C" "G" "A"
## [17029] "T" "C" "T" "A" "T" "T" "A" "G" "A" "A" "A" "C" "A" "T" "T" "C" "G" "A"
## [17047] "A" "A" "T" "C" "G" "T" "C" "G" " " "T" "A" "G" "A" "T" "G" "T" "C" "G"
## [17065] "T" "T" "T" "T" "C" "G" "T" "G" "T" "C" "T" "T" "T" "C" "T" "A" "T" "T"
## [17083] "A" "T" "G" "T" "C" "A" "A" "C" "T" "T" "A" "A" "C" "C" "G" "T" "C" "C"
## [17101] "G" "T" "G" "A" "A" "G" "A" "C" "A" "A" "C" "G" "T" "A" "A" "T" "G" "G"
  [17119] "T" "C" "G" "A" "A" "C" "A" " "T" "C" "T" "G" "C" "A" "T" "G" "A" "C"
  [17137] "A" "C" "C" "G" "T" "C" "G" "A" "T" "T" "T" "G" "A" "T" "G" "G" "G" "T" "T"
## [17155] "C" "A" "T" "G" "G" "T" "A" "T" "G" "G" "A" "G" "A" "T" "A" "A" "A" "T"
## [17173] "C" "C" "A" "A" "C" "A" "A" "A" "T" "T" "A" "G" "G" "A" "A" "A" "T" "T"
## [17191] "A" "T" "T" "T" "C" "A" " " "T" "A" "T" "T" "A" "T" "A" "T" "G" "A" "A" "G"
## [17209] "T" "G" "A" "A" "A" "T" "C" "C" "T" "G" "G" "A" "A" "A" "T" "C" "C" "A"
## [17245] "G" "T" "T" "C" "C" "A" "C" "C" "A" "A" "G" "G" "T" "C" "A" "A" "G" "A"
## [17263] "C" "A" "T" "A" "T" " "C" "T" "A" "T" "C" "A" "T" "G" "G" "T" "C" "A"
## [17281] "A" "G" "G" "T" "A" "G" "T" "G" "A" "A" "A" "T" "C" "C" "C" "T" "T"
## [17299] "A" "G" "A" "T" "C" "G" "G" "G" "T" "A" "A" "A" "G" "T" "T" "T" "A" "G"
## [17317] "G" "A" "C" "A" "T" "T" "T" "A" "G" "C" "C" "T" "A" "T" "T" "G" "T" "C"
## [17335] "A" "C" "G" "T" " "T" "C" "A" "T" "G" "T" "T" "T" "G" "G" "A" "T" "G"
## [17371] "T" "C" "A" "T" "T" "C" "G" "A" "T" "T" "G" "C" "G" "T" "A" "A" "C" "A"
  [17389] "G" "T" "A" "G" "T" "C" "A" "C" "G" "T" "C" "G" "T" "C" "A" "A" "A"
## [17407] "C" "A" "C" " " "A" "T" "C" "A" "T" "G" "G" "C" "C" "G" "T" "C" "G" "T"
## [17425] "G" "T" "T" "C" "T" "G" "T" "A" "G" "A" "C" "A" "G" "C" "A" "T" "C" "A"
## [17443] "C" "G" "T" "T" "G" "T" "C" "C" "T" "G" "A" "T" "T" "C" "G" "A" "G" "T"
## [17461] "A" "A" "T" "A" "A" "G" "A" "C" "A" "T" "T" "A" "A" "A" "C" "T" "G" "T"
## [17479] "C" "G" " " "T" "C" "T" "T" "A" "A" "C" "C" "G" "G" "G" "A" "A" "T" "T"
## [17497] "T" "C" "G" "A" "C" "A" "A" "T" "G" "T" "T" "A" "T" "T" "C" "T" "C" "C"
## [17515] "G" "G" "T" "A" "C" "G" "A" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C" "T"
```

```
## [17533] "T" "A" "A" "C" "A" "G" "G" "T" "A" "T" "G" "A" "T" "T" "A" "A" "A" "A" "G"
   [17551] "T" " " "G" "A" "T" "T" "C" "A" "A" "C" "T" "T" "G" "T" "T" "A" "A" "A"
## [17569] "A" "T" "G" "A" "T" "A" "G" "A" "C" "G" "T" "A" "G" "A" "T" "G" "T" "T"
## [17587] "G" "G" "A" "C" "A" "A" "C" "C" "T" "A" "A" "A" "G" "G" "G" "T" "G" "T"
## [17605] "T" "A" "C" "G" "A" "C" "T" "A" "C" "G" "T" "A" "T" "T" "T" "C" "A" "T" "T"
## [17623] " " "T" "A" "C" "A" "A" "C" "A" "T" "G" "G" "T" "A" "G" "T" "G" "T" "G"
## [17641] "C" "A" "T" "A" "A" "A" "A" "A" "T" "A" "T" "A" "C" "A" "C" "A" "A" "T"
## [17659] "A" "T" "C" "A" "G" "A" "C" "C" "A" "T" "A" "C" "T" "G" "T" "T" "G" "G"
  [17677] "T" "A" "A" "T" "C" "A" "A" "A" "C" "C" "G" "A" "C" "G" "A" "C" "A" "
## [17695] "A" "C" "A" "T" "T" "C" "T" "C" "C" "A" "T" "A" "A" "T" "A" "C" "A" "A"
  [17713] "G" "T" "T" "C" "C" "C" "T" "T" "G" "T" "G" "T" "G" "T" "G" "T" "A" "G"
## [17731] "A" "G" "A" "A" "C" "G" "T" "A" "A" "C" "A" "A" "C" "T" "A" "T" "T" "A"
## [17749] "C" "A" "A" "C" "A" "A" "C" "T" "C" "A" "C" "G" "T" "A" "G" "T" " "A"
## [17767] "A" "T" "A" "G" "G" "T" "T" "G" "A" "A" "A" "G" "A" "T" "T" "C" "G" "T"
## [17785] "A" "T" "C" "A" "C" "T" "T" "T" "C" "G" "T" "A" "A" "C" "A" "G" "A"
## [17803] "C" "G" "T" "A" "T" "C" "G" "T" "G" "A" "T" "C" "A" "T" "T" "G" "A" "A"
  [17821] "A" "A" "C" "G" "G" "G" "A" "G" "A" "C" "A" "G" "G" "A" " "G" "T"
## [17839] "C" "T" "A" "G" "A" "T" "C" "G" "G" "A" "C" "A" "A" "A" "A" "T" "A" "T" "G"
## [17857] "T" "A" "A" "A" "C" "C" "C" "A" "G" "T" "A" "T" "C" "G" "A" "A" "C" "T"
## [17875] "A" "G" "T" "C" "G" "G" "T" "A" "G" "A" "A" "A" "A" "G" "G" "T" "T" "G"
## [17893] "A" "A" "T" "G" "C" "A" "A" "C" "G" "T" "A" "C" "C" "G" " " " "A" "C" "G"
## [17911] "T" "A" "G" "T" "G" "C" "C" "A" "G" "T" "T" "T" "A" "A" "G" "T" "C" "T"
## [17929] "A" "A" "A" "T" "C" "G" "G" "T" "G" "T" "A" "A" "G" "T" "T" "T" "T" "C" "T"
## [17947] "G" "A" "A" "G" "A" "A" "G" "T" "T" "G" "A" "A" "A" "A" "A" "T" "T" "C"
## [17965] "T" "T" "G" "T" "T" "G" "A" "A" "G" "T" "C" "T" "T" " " " " " "A" "G" "T" "G"
## [17983] "G" "T" "A" "A" "T" "C" "G" "T" "T" "G" "T" "C" "G" "G" "A" "C" "G" "A"
## [18001] "G" "T" "A" "T" "T" "C" "G" "A" "A" "G" "A" "A" "C" "T" "C" "G" "T" "C"
## [18019] "A" "T" "C" "G" "T" "T" "T" "T" "C" "G" "A" "C" "G" "T" "A" "T" "A" "C"
## [18037] "T" "A" "C" "C" "T" "T" "C" "C" "C" "T" "T" "G" " " "A" "T" "T" "T" "G"
## [18055] "A" "G" "A" "C" "T" "C" "C" "G" "A" "T" "A" "T" "C" "G" "A" "A" "C" "A"
## [18073] "T" "T" "C" "C" "A" "A" "C" "G" "G" "G" "A" "A" "C" "A" "C" "A" "G" "G"
   [18091] "T" "C" "G" "T" "A" "A" "A" "G" "A" "G" "T" "G" "T" "G" "T" "T" "C" "G"
  [18109] "A" "A" "C" "A" "A" "A" "A" "T" "A" "C" "A" "G" " " "A" "T" "G" "T" "C" "G"
## [18127] "T" "G" "G" "G" "A" "C" "G" "T" "A" "C" "C" "T" "T" "T" "T" "C" "G" "T" "T"
## [18145] "T" "T" "G" "T" "C" "T" "T" "C" "A" "T" "C" "A" "C" "T" "T" "T" "G"
## [18163] "G" "T" "A" "A" "A" "A" "A" "G" "T" "T" "T" "C" "C" "G" "A" "A" "G"
## [18181] "T" "C" "A" "T" "C" "A" "T" "A" "G" "A" " " "A" "A" "T" "C" "G" "A" "T"
## [18199] "T" "C" "T" "C" "T" "A" "C" "A" "G" "T" "A" "A" "C" "A" "C" "A" "T"
## [18217] "T" "G" "A" "C" "C" "T" "G" "T" "G" "T" "A" "A" "C" "T" "C" "G" "G" "G"
## [18235] "T" "G" "T" "T" "A" "A" "A" "T" "C" "T" "A" "C" "T" "A" "C" "T" "A" "C" "T" "A" "A" "A"
## [18253] "G" "A" "T" "G" "A" "G" "A" "C" "T" " " "C" "A" "A" "C" "A" "A" "C" "G"
## [18271] "T" "T" "T" "T" "G" "A" "C" "T" "C" "T" "C" "A" "T" "C" "T" "C" "T" "G" "A"
## [18289] "T" "G" "A" "C" "T" "A" "C" "A" "C" "G" "T" "G" "A" "A" "A" "T" "G" "T"
## [18307] "A" "G" "A" "C" "T" "G" "T" "A" "A" "A" "A" "T" "C" "T" "G" "A" "C" "A"
## [18325] "T" "G" "T" "C" "A" "C" "C" "G" " " "A" "T" "G" "A" "A" "A" "A" "C" "T" "A"
## [18343] "T" "G" "T" "T" "C" "C" "A" "A" "A" "C" "G" "G" "T" "G" "G" "T" "T" "G"
   [18361] "T" "G" "G" "G" "T" "T" "G" "T" "T" "A" "A" "A" "T" "T" "A" "C" "A" "A"
  [18379] "C" "T" "C" "A" "A" "A" "C" "T" "T" "C" "C" "G" "T" "A" "G" "A" "T" "A"
  ## [18415] "C" "A" "T" "C" "A" "G" "G" "G" "A" "C" "A" "C" "T" "T" "A" "A" "G" "T"
## [18433] "A" "T" "A" "T" "A" "G" "A" "T" "T" "T" "G" "A" "G" "G" "A" "C" "A" "C"
## [18451] "A" "T" "C" "T" "T" "T" "G" "A" "T" "T" "C" "A" "T" "T" "A" "G" "T" "A"
## [18469] "T" "T" "T" "G" "T" "G" " " "G" "T" "C" "T" "C" "A" "G" "T" "C" "A"
## [18487] "G" "A" "T" "T" "T" "C" "A" "T" "C" "G" "C" "C" "A" "A" "C" "T" "C" "A"
```

```
## [18505] "T" "T" "T" "G" "T" "T" "T" "T" "C" "T" "C" "C" "G" "G" "T" "T" "T" "T" "C"
  [18523] "A" "T" "T" "G" "T" "T" "C" "A" "T" "G" "T" "T" "T" "T" "T" "T" "A" "T" "A" "T" "C"
  [18541] "G" "G" "A" "T" "T" " " "C" "T" "T" "T" "G" "T" "T" "A" "T" "T" "T" "G"
  [18559] "A" "T" "C" "G" "T" "A" "A" "T" "A" "T" "G" "T" "G" "A" "C" "T" "T" "C"
## [18577] "A" "C" "A" "T" "A" "A" "T" "G" "G" "T" "C" "A" "A" "T" "A" "C" "T" "T"
## [18595] "C" "T" "T" "T" "T" "A" "T" "C" "C" "C" "G" "T" "T" "A" "T" "G" "A" "G"
## [18613] "T" "T" "G" "T" " " "G" "T" "G" "T" "A" "T" "T" "T" "T" "T" "G" "T" "T"
## [18631] "A" "T" "G" "G" "A" "G" "A" "C" "C" "G" "G" "T" "T" "T" "T" "T" "T" "G" "T"
  [18649] "A" "C" "T" "G" "T" "C" "A" "A" "C" "A" "T" "T" "G" "A" "T" "G" "A" "T" "G"
  [18667] "G" "A" "C" "T" "C" "A" "T" "C" "A" "A" "T" "C" "T" "T" "C" "A" "T" "T"
  [18685] "G" "T" "C" " " "T" "C" "T" "A" "A" "T" "A" "T" "T" "C" "T" "C" "G" "G"
## [18703] "G" "T" "G" "T" "A" "C" "C" "T" "T" "A" "C" "C" "G" "A" "A" "C" "T"
  [18721] "A" "G" "A" "T" "T" "T" "C" "G" "T" "A" "A" "A" "G" "G" "T" "A" "T" "T"
## [18739] "A" "T" "T" "T" "G" "A" "A" "A" "T" "A" "T" "T" "T" "G" "C" "T" "C" "A"
## [18757] "C" "A" " " "G" "T" "T" "C" "T" "G" "T" "A" "A" "G" "T" "A" "T" "T" "C"
## [18775] "A" "C" "A" "G" "G" "T" "G" "T" "G" "A" "G" "A" "G" "G" "A" "T" "C" "G"
  [18811] "A" "G" "A" "A" "C" "G" "A" "C" "A" "G" "T" "A" "T" "T" "C" "C" "T" "A"
  [18829] "A" " "T" "C" "A" "T" "T" "G" "T" "G" "A" "T" "G" "A" "C"
## [18847] "T" "A" "C" "G" "T" "A" "T" "G" "T" "A" "T" "T" "G" "T" "G" "T" "C" "A"
## [18865] "G" "A" "A" "A" "A" "T" "C" "G" "A" "A" "T" "T" "T" "T" "T" "G" "G" "T" "C"
## [18883] "T" "G" "T" "T" "T" "G" "A" "T" "C" "A" "T" "A" "G" "T" "T" "G" "G" "T"
## [18901] " " "A" "T" "A" "G" "G" "T" "T" "G" "G" "T" "A" "C" "A" "G" "T" "A" "T"
## [18919] "T" "A" "T" "G" "C" "G" "T" "A" "G" "T" "G" "G" "G" "T" "T" "G" "A" "T"
## [18937] "C" "G" "T" "C" "C" "G" "T" "A" "T" "A" "T" "C" "T" "G" "G" "T" "A" "T"
  [18955] "A" "A" "T" "T" "T" "T" "A" "T" "T" "C" "G" "A" "T" "G" "T" "C" "A" " "
## [18973] "C" "C" "G" "T" "T" "C" "T" "C" "T" "C" "T" "C" "A" "T" "T" "G" "T" "T"
  [18991] "T" "T" "T" "G" "T" "T" "G" "T" "C" "T" "C" "T" "T" "T" "T" "A" "C" "G"
## [19009] "T" "A" "C" "G" "A" "A" "T" "A" "C" "A" "A" "A" "C" "T" "G" "T" "T" "T"
## [19027] "G" "T" "A" "G" "T" "A" "A" "C" "G" "T" "T" "T" "T" "C" "G" "T" " "C"
## [19045] "T" "G" "T" "A" "T" "C" "G" "T" "T" "A" "T" "A" "T" "A" "T" "G" "G" "G" "T"
  [19063] "A" "T" "C" "G" "T" "T" "T" "T" "C" "C" "A" "T" "T" "T" "T" "T" "C" "C"
  ## [19099] "T" "C" "T" "T" "G" "T" "T" "C" "T" "G" "G" "T" "A" "A" " " "C" "T"
## [19117] "C" "A" "T" "G" "A" "G" "A" "C" "C" "T" "G" "A" "T" "T" "T" "T" "T" "G" "A"
## [19135] "T" "T" "T" "T" "C" "A" "C" "T" "T" "C" "A" "G" "T" "T" "T" "T" "A" "A"
## [19153] "C" "A" "C" "T" "C" "A" "T" "T" "G" "T" "T" "G" "G" "T" "C" "A" "C" "C"
## [19171] "A" "C" "A" "C" "A" "T" "G" "G" "G" "A" "A" "C" "T" "A" " " "A" "C" "A"
## [19189] "A" "G" "A" "A" "A" "A" "G" "T" "G" "A" "C" "G" "T" "G" "A" "A" "A" "A" "C"
## [19207] "C" "T" "T" "T" "C" "A" "T" "T" "G" "T" "G" "G" "A" "C" "T" "C" "G" "T"
## [19225] "A" "A" "C" "A" "G" "A" "T" "T" "G" "T" "T" "G" "T" "A" "G" "T" "T" "T"
## [19243] "T" "C" "C" "A" "C" "A" "T" "T" "T" "A" "A" "G" "T" " " "A" "G" "A" "A"
## [19261] "G" "A" "T" "T" "A" "T" "T" "T" "C" "G" "T" "G" "A" "T" "G" "G" "G" "T"
## [19279] "T" "A" "T" "A" "C" "C" "A" "T" "G" "C" "A" "G" "G" "T" "A" "A" "G" "T"
## [19297] "A" "T" "G" "G" "T" "A" "A" "A" "C" "G" "T" "C" "A" "T" "T" "A" "A" "A"
## [19315] "G" "A" "A" "A" "A" "T" "T" "A" "C" "T" "T" "C" " " "G" "T" "G" "T" "G"
   [19333] "T" "A" "T" "A" "G" "A" "T" "T" "T" "T" "G" "C" "C" "G" "T" "T" "A" "A"
  [19351] "G" "G" "T" "C" "A" "A" "A" "C" "T" "C" "G" "T" "C" "T" "C" "T"
  [19369] "C" "C" "A" "G" "G" "A" "T" "C" "A" "T" "A" "C" "A" "G" "T" "T" "G" "T"
## [19387] "A" "C" "C" "A" "G" "A" "A" "C" "A" "C" "A" " "A" "T" "C" "T" "C" "C"
          "A" "A" "G" "T" "A" "T" "T" "A" "A" "C" "A" "T" "G" "A" "A" "G" "T" "A"
## [19405]
## [19423] "T" "C" "G" "G" "T" "G" "T" "T" "C" "C" "A" "A" "T" "T" "T" "C" "A" "G"
## [19441] "T" "A" "A" "T" "T" "C" "T" "C" "A" "A" "C" "A" "C" "C" "A" "T" "T" "T"
## [19459] "A" "G" "C" "T" "A" "A" "C" "T" "C" "T" " " "T" "T" "G" "G" "T" "G" "G"
```

```
## [19477] "A" "C" "A" "G" "A" "G" "G" "T" "A" "A" "A" "T" "A" "T" "T" "G" "T" "C"
  [19495] "G" "T" "C" "G" "C" "A" "T" "G" "T" "T" "G" "G" "T" "T" "C" "G" "A" "T"
  [19513] "T" "T" "T" "G" "T" "A" "A" "T" "T" "G" "A" "C" "A" "T" "T" "A" "T" "C"
## [19531] "A" "A" "C" "A" "C" "A" "G" "G" "G" "C" " " "A" "T" "G" "G" "T" "C" "G" "A"
## [19549] "C" "G" "A" "A" "C" "A" "C" "G" "A" "C" "A" "A" "A" "C" "G" "G" "A" "C"
## [19567] "A" "G" "T" "T" "G" "T" "T" "T" "T" "C" "C" "A" "G" "G" "T" "A" "T" "T"
## [19585] "T" "T" "C" "A" "A" "T" "G" "G" "A" "A" "G" "A" "T" "T" "C" "A" "G" "A"
## [19603] "C" "A" "C" "G" "G" "T" "C" "G" " " " "T" "A" "C" "T" "T" "G" "A" "G" "G"
  [19621] "T" "C" "A" "A" "C" "C" "A" "T" "T" "A" "A" "G" "G" "T" "A" "T" "A" "C"
  [19639] "C" "A" "C" "G" "T" "A" "C" "A" "T" "T" "G" "T" "T" "T" "T" "T" "T" "C" "T"
  [19657] "C" "T" "G" "T" "G" "T" "C" "A" "G" "T" "A" "T" "T" "A" "G" "A" "T" "A"
## [19675] "C" "A" "A" "T" "T" "T" "T" "G" "G" "T" "T" "G" "T" "G" "A" "T" "G"
  [19693] "G" "T" "G" "T" "A" "C" "T" "T" "G" "G" "T" "A" "A" "T" "T" "C" "C" "T"
## [19711] "T" "A" "C" "T" "T" "G" "G" "G" "A" "A" "T" "T" "A" "T" "C" "A" "C" "T"
## [19729] "T" "T" "A" "A" "C" "C" "C" "G" "G" "A" "G" "T" "A" "T" "C" "G" "T" "G"
## [19747] "T" "A" "A" "C" "C" "A" " "T" "T" "T" "G" "T" "G" "G" "T" "C" "T" "A"
  [19765] "C" "C" "A" "C" "T" "T" "G" "G" "T" "A" "A" "C" "A" "T" "T" "G" "T" "T"
  [19783] "C" "G" "A" "T" "T" "G" "T" "G" "A" "C" "T" "T" "T" "T" "T" "T" "C" "A" "G"
  [19801] "A" "C" "A" "G" "G" "A" "C" "C" "A" "A" "C" "T" "T" "A" "C" "G" "C" "T"
## [19819] "T" "G" "T" "T" "T" " "G" "A" "A" "T" "A" "T" "G" "A" "A" "T" "C" "C"
## [19837] "A" "C" "A" "G" "A" "A" "T" "C" "C" "T" "A" "A" "C" "C" "G" "A" "C" "A"
## [19855] "T" "A" "G" "T" "T" "G" "G" "A" "A" "T" "T" "C" "G" "A" "A" "T" "T" "C"
## [19873] "A" "T" "G" "T" "G" "T" "T" "A" "A" "A" "A" "C" "G" "T" "A" "T" "C" "T"
## [19891] "T" "A" "C" "A" " " "G" "G" "T" "T" "A" "T" "T" "G" "G" "G" "A" "C" "T"
## [19909] "C" "A" "A" "C" "T" "T" "G" "T" "A" "A" "T" "G" "G" "T" "C" "G" "G" "A"
  [19927] "C" "A" "T" "G" "G" "T" "T" "C" "T" "T" "T" "A" "A" "A" "T" "A" "C" "T" "A"
## [19945] "A" "T" "C" "T" "G" "A" "A" "T" "G" "C" "T" "T" "A" "C" "T" "C" "A" "T"
  [19963] "T" "T" "A" " " "G" "A" "A" "G" "T" "A" "T" "T" "A" "A" "T" "C" "C" "C"
## [19981] "A" "A" "T" "T" "C" "G" "T" "A" "C" "A" "G" "A" "A" "G" "T" "C" "T" "C"
## [19999] "C" "A" "C" "G" "T" "C" "T" "A" "G" "T" "G" "T" "A" "C" "A" "G" "A" "A"
## [20017] "C" "C" "T" "G" "T" "C" "A" "T" "T" "G" "A" "T" "G" "C" "A" "G" "T"
  [20035] "A" "G" " "T" "T" "C" "G" "G" "T" "T" "T" "C" "T" "G" "G" "C" "A" "A"
  [20053] "T" "T" "C" "A" "C" "A" "T" "C" "A" "A" "C" "A" "T" "G" "G" "T" "G" "T"
  [20071] "T" "C" "A" "A" "T" "G" "A" "A" "C" "A" "T" "G" "G" "T" "A" "T" "G" "T"
## [20089] "T" "G" "G" "G" "A" "G" "T" "T" "G" "A" "A" "A" "T" "G" "G" "T" "C" "T"
## [20107] "A" " " "C" "C" "C" "T" "T" "A" "C" "G" "G" "T" "A" "A" "A" "A" "A" "A" "A" "G"
## [20125] "A" "T" "T" "T" "T" "G" "G" "T" "G" "A" "G" "A" "C" "G" "T" "T" "T" "T" "T"
[20179] " " "C" "T" "T" "G" "T" "A" "G" "T" "C" "T" "T" "G" "G" "A" "C" "T" "C"
##
  [20197] "A" "A" "T" "G" "A" "C" "T" "T" "C" "A" "G" "T" "A" "A" "A" "C" "T" "C" "T"
## [20215] "C" "G" "G" "A" "A" "A" "C" "G" "C" "T" "C" "T" "A" "C" "T" "G" "T" "T"
## [20233] "G" "T" "T" "C" "G" "T" "C" "G" "A" "A" "G" "A" "G" "A" "C" "A" "T" " "
## [20251] "C" "G" "A" "T" "C" "A" "A" "C" "A" "T" "A" "G" "G" "T" "A" "A" "C" "G"
## [20269] "A" "G" "G" "T" "G" "A" "T" "T" "T" "A" "T" "G" "A" "A" "C" "A" "T"
[20305] "C" "A" "T" "A" "G" "A" "T" "A" "A" "T" "A" "T" "A" "A" "C" "G" " " "C"
  [20323] "A" "T" "T" "C" "T" "C" "C" "A" "T" "A" "T" "C" "G" "T" "G" "T" "A"
  [20341] "G" "T" "G" "A" "T" "G" "C" "G" "T" "T" "G" "A" "A" "A" "A" "T" "C" "T" "A"
## [20359] "T" "G" "T" "A" "A" "A" "G" "A" "A" "A" "T" "A" "A" "A" "T" "T" "G" "T"
          "T" "T" "T" "T" "C" "C" "A" "C" "G" "T" "G" "T" "C" "G" "C" " " " "G" "T"
  [20377]
## [20395] "C" "G" "A" "A" "G" "A" "A" "G" "T" "T" "T" "T" "C" "A" "T" "G" "A" "T"
## [20413] "T" "T" "C" "C" "T" "T" "T" "G" "T" "G" "T" "A" "A" "T" "T" "T" "T" "C"
## [20431] "T" "G" "A" "T" "G" "T" "G" "C" "A" "G" "A" "G" "A" "A" "A" "A" "T" "C" "C"
```

```
## [20449] "A" "T" "T" "A" "A" "T" "G" "A" "T" "T" "T" "C" "T" "T" "T" " "G" "G" "T"
  [20467] "T" "A" "T" "C" "T" "T" "T" "A" "C" "G" "A" "A" "A" "C" "A" "C" "C" "T"
  [20485] "T" "T" "A" "T" "G" "T" "T" "T" "A" "C" "T" "A" "T" "A" "T" "T" "C" "G"
  [20503] "T" "T" "A" "A" "C" "A" "A" "T" "A" "G" "G" "T" "C" "T" "T" "T" "T" "C" "C"
  [20521] "A" "T" "G" "A" "T" "T" "T" "C" "C" "A" "C" "A" "C" " " "T" "T" "G" "T"
## [20539] "A" "T" "T" "G" "G" "T" "A" "G" "G" "T" "G" "A" "C" "T" "T" "A" "T" "A"
## [20575] "G" "T" "A" "A" "T" "C" "A" "T" "C" "T" "A" "T" "T" "T" "T" "T" "A" "C"
  [20593] "A" "G" "T" "T" "C" "A" "T" "G" "T" "T" "C" "A" " " "T" "T" "T" "A" "T"
  [20611] "T" "G" "T" "C" "T" "T" "A" "T" "T" "T" "G" "T" "G" "G" "T" "C" "C" "A"
  [20629] "T" "T" "C" "T" "T" "A" "C" "T" "C" "A" "T" "T" "T" "G" "A" "C" "C" "A"
## [20647] "C" "A" "A" "T" "T" "T" "G" "T" "C" "T" "C" "A" "T" "G" "T" "C" "A" "C"
  [20665] "T" "T" "A" "C" "T" "G" "T" "A" "T" "C" " " "C" " " "C" "T" "T" "A" "T" "C"
## [20683] "A" "T" "T" "T" "C" "A" "T" "A" "A" "T" "T" "T" "C" "C" "G" "T" "T" "G"
## [20701] "A" "T" "G" "T" "A" "C" "T" "G" "A" "C" "A" "T" "A" "A" "G" "T" "G" "G"
## [20719] "T" "T" "T" "T" "C" "G" "A" "G" "A" "G" "A" "T" "T" "T" "T" "G" "G" "A"
  [20737] "G" "T" "A" "T" "T" "T" "T" "A" "T" "C" " " "A" "T" "C" "C" "G" "T" "T"
  [20755] "C" "C" "G" "T" "A" "C" "A" "A" "T" "G" "A" "T" "G" "C" "T" "A" "T" "C"
  [20773] "G" "A" "T" "G" "T" "T" "A" "T" "G" "G" "T" "G" "G" "T" "C" "G" "A" "T"
## [20791] "G" "A" "T" "A" "T" "C" "T" "A" "C" "G" "A" "C" "T" "A" "T" "A" "C" "A"
## [20809] "G" "G" "T" "T" "T" "C" "G" "T" "G" " " "G" "T" "T" "A" "T" "C" "C" "A"
## [20827] "A" "C" "T" "T" "A" "A" "T" "C" "A" "C" "C" "A" "C" "A" "T" "T" "T" "T" "G"
## [20863] "T" "G" "T" "C" "G" "T" "A" "G" "A" "T" "G" "T" "G" "T" "G" "T" "G" "T" "C"
  [20881] "T" "T" "T" "T" "G" "A" "G" "G" " " "A" "C" "C" "A" "T" "T" "T" "C" "T"
  [20899] "A" "G" "A" "C" "A" "T" "T" "A" "T" "T" "A" "G" "T" "A" "A" "A" "C" "A" "A"
## [20917] "T" "T" "C" "A" "T" "G" "G" "G" "T" "A" "G" "A" "T" "G" "G" "T" "G" "A"
  ## [20953] "T" "C" "G" "A" "A" "G" "A" " "C" "T" "A" "G" "A" "A" "A" "G" "T" "G"
## [20971] "T" "T" "C" "A" "C" "G" "G" "C" "A" "C" "G" "G" "A" "T" "G" "T" "C" "A"
## [20989] "T" "G" "A" "G" "T" "C" "T" "T" "A" "G" "T" "T" "T" "T" "T" "C" "A" "A" "C"
  [21007] "A" "A" "T" "G" "G" "T" "G" "A" "G" "A" "T" "T" "G" "T" "C" "T" "T" "G"
  [21025] "G" "A" "A" "G" "T" "T" " "C" "C" "A" "T" "C" "C" "A" "C" "A" "C" "A" "A" "T"
  [21043] "C" "C" "T" "T" "T" "A" "A" "C" "T" "T" "A" "T" "A" "T" "A" "T" "C"
## [21061] "G" "G" "T" "A" "G" "G" "T" "A" "C" "T" "C" "G" "T" "G" "T" "A" "T" "T"
## [21079] "G" "C" "A" "C" "A" "C" "A" "G" "T" "C" "C" "C" "G" "C" "A" "T" "T" "T"
## [21097] "G" "A" "A" "A" "G" " " "T" "A" "T" "T" "C" "G" "T" "T" "G" "T" "C" "T"
## [21115] "T" "G" "G" "A" "A" "G" "A" "T" "C" "A" "T" "G" "T" "A" "A" "A" "C" "A"
## [21133] "T" "A" "G" "T" "A" "T" "T" "G" "T" "T" "A" "T" "A" "C" "C" "A" "T" "G"
  [21151] "A" "C" "C" "G" "A" "A" "T" "G" "G" "T" "C" "T" "T" "C" "G" "T" "A" "G"
##
  ## [21205] "G" "A" "C" "T" "A" "C" "A" "A" "C" "G" "T" "T" "T" "T" "C" "A" "G" "T" "C"
## [21223] "A" "C" "A" "T" "G" "A" "G" "A" "T" "A" "T" "T" "C" "A" "A" "A" "A" "A" "C"
## [21241] "T" "A" "C" " " "C" "A" "C" "A" "T" "T" "G" "T" "C" "T" "A" "C"
## [21259] "A" "A" "T" "G" "G" "T" "T" "G" "A" "C" "G" "T" "G" "A" "T" "T" "T" "T"
  [21277] "T" "G" "A" "G" "A" "T" "C" "C" "A" "T" "T" "C" "T" "T" "T" "A" "C" "G"
  [21295] "T" "T" "T" "T" "T" "C" "A" "G" "T" "G" "G" "T" "A" "A" "A" "T" "C" "A" "A"
  [21313] "C" "A" " " "C" "G" "C" "A" "T" "T" "A" "T" "A" "G" "C" "A" "C" "G" "G"
## [21331] "T" "C" "C" "G" "T" "T" "T" "G" "G" "T" "C" "C" "G" "T" "G" "C" "T" "G"
         "T" "T" "T" "T" "G" "G" "G" "T" "G" "A" "A" "G" "A" "G" "A" "G" "A" "C" "A"
  [21349]
## [21367] "A" "T" "A" "C" "T" "G" "A" "C" "G" "T" "C" "G" "T" "T" "A" "G" "T" "T"
## [21385] "A" " " "C" "C" "C" "G" "T" "T" "C" "G" "A" "A" "A" "C" "A" "G" "T" "A"
## [21403] "A" "T" "C" "A" "T" "A" "T" "T" "G" "A" "T" "G" "G" "T" "G" "G" "T" "G"
```

```
## [21421] "C" "G" "A" "C" "C" "G" "A" "T" "T" "T" "G" "G" "T" "A" "C" "A" "C" "A"
  ## [21457] " " "A" "T" "C" "G" "T" "T" "T" "T" "G" "T" "T" "C" "A" "T" "A" "G" "A"
## [21475] "C" "A" "T" "C" "T" "A" "C" "G" "A" "T" "A" "C" "A" "G" "T" "G" "C" "T"
## [21493] "C" "A" "C" "T" "G" "T" "G" "G" "T" "G" "G" "T" "A" "G" "T" "T" "A" "T"
## [21511] "C" "G" "G" "A" "A" "C" "A" "T" "A" "G" "G" "A" "T" "A" "C" "T" "A" "
## [21529] "A" "A" "G" "T" "G" "A" "A" "C" "T" "T" "T" "T" "C" "A" "G" "T" "C" "A"
## [21547] "T" "A" "C" "A" "A" "A" "T" "C" "T" "G" "T" "A" "C" "T" "G" "T" "A" "C"
  [21565] "T" "T" "G" "T" "C" "C" "A" "C" "A" "A" "T" "A" "A" "T" "A" "T" "A" "T"
  [21583] "C" "T" "T" "T" "T" "A" "T" "C" "G" "T" "C" "G" "T" "T" "G" "T" " "T" " "T"
  [21601] "T" "T" "T" "C" "C" "T" "T" "G" "T" "G" "T" "T" "C" "A" "C" "A" "T" "T"
## [21619] "G" "A" "A" "A" "T" "T" "A" "A" "T" "T" "G" "A" "C" "G" "A" "A" "G" "T"
  [21637] "T" "G" "G" "T" "T" "A" "A" "T" "A" "A" "T" "T" "G" "T" "T" "A" "A" "A"
## [21655] "A" "T" "G" "G" "T" "G" "G" "G" "A" "A" "T" "T" "C" "A" "C" " " "G" "A"
## [21673] "T" "A" "G" "A" "A" "A" "C" "A" "A" "C" "A" "A" "T" "G" "T" "T" "G" "T"
## [21691] "A" "A" "T" "T" "G" "T" "T" "G" "A" "A" "C" "A" "G" "A" "T" "C" "A" "T"
  [21709] "C" "A" "A" "C" "G" "T" "G" "T" "A" "C" "A" "G" "T" "T" "G" "A" "A" "T"
  [21745] "A" "A" "A" "T" "C" "G" "T" "C" "G" "T" "G" "A" "T" "G" "A" "T" "A"
## [21763] "A" "A" "C" "A" "A" "A" "A" "G" "C" "A" "T" "C" "A" "A" "C" "A" "A" "G"
## [21799] "A" "A" "A" "T" "T" "G" "C" "A" "A" "G" "G" "T" "A" " " "T" "A" "G" "T"
## [21817] "T" "T" "C" "G" "T" "T" "A" "C" "A" "A" "C" "A" "C" "T" "G" "A" "A" "A" "A"
## [21835] "A" "A" "C" "G" "A" "T" "G" "G" "A" "C" "G" "C" "G" "T" "A" "A" "T" "T"
## [21853] "A" "T" "A" "C" "T" "G" "C" "G" "C" "G" "T" "G" "A" "T" "G" "T" "C" "A"
  [21871] "G" "T" "T" "A" "T" "G" "T" "T" "C" "G" "T" "G" " " "G" "T" "G" "T" "T" "C" "C"
## [21889] "A" "G" "T" "G" "C" "C" "C" "C" "A" "A" "G" "T" "A" "C" "A" "A" "A" "A"
## [21907] "A" "G" "T" "T" "G" "A" "A" "A" "C" "A" "A" "T" "A" "T" "C" "C" "A" "C"
## [21925] "T" "C" "G" "T" "A" "T" "A" "T" "C" "A" "A" "T" "A" "A" "T" "G" "T" "T"
## [21943] "G" "A" "T" "A" "G" "C" "G" "G" "T" "C" "A" " " "T" "T" "G" "A" "A" "G"
## [21961] "A" "T" "A" "C" "A" "G" "T" "C" "T" "A" "A" "C" "T" "A" "C" "T"
  [21979] "G" "T" "T" "A" "A" "A" "T" "T" "C" "T" "G" "T" "A" "A" "A" "T" "T" "G"
## [21997] "T" "T" "G" "T" "A" "G" "A" "A" "T" "C" "A" "A" "A" "G" "A" "T" "G"
## [22033] "G" "A" "A" "C" "G" "G" "C" "T" "C" "G" "A" "C" "G" "A" "C" "T" "T" "T"
## [22051] "A" "T" "T" "T" "T" "C" "A" "T" "C" "A" "T" "A" "T" "T" "C" "T" "G" "T" "A"
## [22069] "A" "C" "A" "G" "A" "T" "T" "C" "C" "T" "G" "T" "G" "T" "A" "A" "G" "A"
## [22087] "A" "A" "C" "G" "T" "T" "C" "A" "A" " " "G" "T" "C" "G" "A" "A" "A" "A" "A" "G" "A"
## [22105] "C" "G" "T" "C" "A" "A" "C" "G" "T" "T" "G" "A" "T" "C" "A" "C" "A" "A"
## [22123] "A" "A" "C" "T" "C" "A" "A" "A" "A" "G" "G" "T" "A" "A" "C" "C" "A"
## [22141] "T" "G" "C" "A" "A" "T" "T" "T" "C" "A" "A" "C" "T" "A" "C" "T" "T"
## [22159] "T" "T" "G" "C" "A" "T" "A" "A" " " " "T" "G" "C" "A" "T" "T" "C" "G"
## [22177] "T" "A" "G" "T" "T" "T" "G" "T" "A" "A" "A" "A" "T" "T" "G" "A" "C" "G"
## [22195] "T" "T" "G" "A" "A" "G" "G" "C" "G" "T" "G" "A" "T" "A" "G" "T" "G" "G"
## [22213] "T" "T" "G" "T" "A" "G" "T" "C" "T" "G" "T" "G" "A" "T" "T" "A" "C" "G"
## [22231] "G" "A" "C" "T" "A" "G" "A" " "T" "C" "A" "T" "T" "G" "T" "C" "A" "T"
  [22249] "A" "T" "C" "C" "A" "A" "C" "T" "G" "T" "G" "T" "A" "T" "T" "C" "G" "A"
## [22267] "C" "T" "G" "A" "C" "A" "T" "C" "A" "T" "T" "T" "G" "T" "C" "T" "G" "C"
## [22285] "G" "A" "C" "T" "A" "A" "A" "A" "C" "G" "T" "C" "T" "A" "C" "T" "A" "A"
## [22303] "G" "A" "A" "G" "T" "G" " " "T" "A" "A" "A" "A" "C" "T" "A" "A" "A" "T"
         "G" "G" "T" "A" "G" "T" "T" "T" "T" "T" "G" "A" "T" "A" "T" "A" "T" "G" "T"
## [22321]
## [22339] "A" "A" "T" "T" "A" "T" "C" "C" "G" "T" "T" "A" "C" "T" "T" "G" "G" "A"
## [22357] "A" "A" "T" "C" "A" "C" "A" "A" "T" "A" "A" "T" "C" "G" "A" "G" "A" "G"
## [22375] "T" "C" "C" "A" "A" " " "C" "A" "G" "A" "T" "T" "C" "A" "A" "T" "T" "G"
```

```
[22411] "A" "G" "A" "A" "A" "G" "T" "A" "T" "T" "C" "A" "G" "A" "A" "A" "A" "A" "C"
## [22429] "T" "G" "G" "T" "C" "G" "A" "A" "A" "A" "G" "T" "T" "T" "T" "C" "A" "T"
## [22447] "T" "T" "C" "T" " "A" "C" "C" "T" "A" "C" "C" "T" "T" "G" "G" "T" "A"
## [22465] "A" "G" "A" "A" "G" "T" "G" "A" "C" "A" "T" "T" "G" "T" "G" "A" "T" "A"
## [22483] "G" "T" "T" "G" "C" "T" "A" "C" "A" "T" "T" "C" "T" "T" "C" "T" "G" "A"
## [22501] "C" "C" "A" "G" "T" "C" "A" "T" "C" "C" "T" "A" "A" "A" "T" "A" "A" "C"
## [22519] "C" "A" "G" " " "A" "A" "A" "A" "T" "T" "T" "G" "A" "C" "A" "T" "C" "A"
  [22537] "C" "T" "G" "T" "T" "C" "A" "G" "A" "G" "A" "G" "C" "G" "T" "T" "G" "A"
  [22555] "A" "G" "T" "A" "G" "T" "G" "A" "T" "T" "A" "T" "T" "T" "A" "C" "A" "T"
  [22573] "G" "A" "T" "G" "G" "T" "C" "G" "T" "G" "T" "C" "T" "T" "A" "C" "A" "T"
## [22591] "A" "G" " "T" "G" "T" "T" "A" "A" "T" "T" "G" "T" "G" "T" "T" "A" "A"
  [22609] "G" "G" "T" "T" "A" "A" "C" "A" "C" "A" "T" "C" "A" "A" "A" "C" "G" "T"
## [22627] "T" "T" "C" "G" "G" "A" "A" "A" "T" "G" "G" "A" "G" "G" "T" "A" "A"
## [22645] "T" "C" "G" "T" "A" "T" "C" "T" "G" "T" "A" "T" "T" "T" "T" "T" "C" "C" "T"
## [22663] "G" " "G" "A" "A" "G" "A" "T" "T" "G" "T" "G" "G" "T" "A" "A" "T" "T"
  [22681]
         "G" "T" "T" "A" "T" "C" "A" "A" "C" "A" "T" "G" "T" "A" "A" "G" "T"
## [22699] "G" "A" "G" "A" "A" "C" "A" "A" "C" "G" "A" "G" "A" "T" "A" "A" "T" "G"
## [22717] "C" "A" "A" "A" "C" "A" "T" "T" "G" "T" "G" "T" "A" "G" "T" "A" "T" "G"
## [22735] " " "T" "T" "C" "A" "A" "C" "T" "A" "C" "T" "A" "A" "A" "T" "G" "T" "T"
## [22753] "G" "G" "C" "A" "G" "A" "T" "G" "T" "G" "T" "A" "C" "G" "T" "G" "T"
## [22771] "A" "T" "T" "G" "A" "A" "A" "G" "G" "T" "A" "T" "G" "T" "A" "T" "T"
## [22807] "C" "T" "A" "C" "A" "T" "G" "T" "A" "A" "G" "A" "T" "T" "G" "G" "T" "A"
## [22825] "T" "C" "G" "A" "C" "T" "T" "T" "A" "G" "C" "C" "C" "C" "C" "G" "G" "A" "A"
  ## [22861] "A" "T" "T" "G" "G" "T" "G" "T" "A" "T" "T" "C" "G" "G" "T" "T" " "C"
## [22879] "T" "T" "A" "A" "T" "G" "A" "T" "T" "A" "T" "T" "T" "T" "A" "C" "A" "T"
## [22897] "G" "A" "C" "G" "T" "T" "T" "T" "A" "T" "C" "G" "A" "C" "T" "T" "T" "T"
## [22915] "T" "G" "T" "T" "A" "A" "C" "G" "T" "A" "C" "T" "A" "A" "C" "G" "T" "C"
## [22933] "G" "G" "T" "T" "A" "G" "G" "T" "T" "C" "A" "T" "G" "T" "A" " " "T" "C"
         "T" "T" "T" "T" "T" "T" "G" "G" "A" "T" "C" "A" "C" "T" "T" "T" "T" "T" "C" "T"
  [22951]
## [22987] "A" "G" "A" "C" "G" "T" "T" "G" "A" "T" "T" "C" "G" "G" "T" "T" "T" "T"
## [23005] "C" "G" "T" "C" "A" "A" "T" "T" "A" "G" "G" "G" "T" " " "A" "A" "A" "A"
## [23023] "T" "T" "T" "T" "C" "T" "A" "C" "T" "T" "A" "C" "C" "A" "T" "T" "A"
## [23041] "A" "A" "C" "A" "T" "A" "T" "C" "A" "A" "A" "G" "A" "T" "T" "T" "C" "T"
## [23059] "T" "C" "C" "T" "A" "T" "C" "C" "A" "G" "A" "G" "A" "T" "T" "T" "T" "C" "T"
## [23077] "T" "A" "G" "A" "T" "T" "T" "G" "G" "T" "G" "A" "T" " " "T" "C" "T" "G"
  [23095] "T" "T" "T" "G" "T" "G" "A" "T" "G" "T" "T" "C" "C" "A" "T" "A" "T" "C"
##
  [23113] "T" "T" "G" "G" "T" "C" "A" "T" "G" "T" "C" "A" "T" "C" "A" "A" "C"
## [23131] "G" "T" "T" "A" "T" "C" "A" "C" "T" "G" "T" "A" "A" "A" "T" "C" "A" "T" "C"
  [23149] "T" "C" "A" "A" "G" "T" "T" "A" "T" "C" "G" " " " "G" "A" "A" "G" "A"
## [23167] "G" "A" "C" "A" "T" "T" "G" "G" "T" "C" "A" "T" "G" "T" "C" "A" "T" "T"
## [23185] "C" "T" "T" "C" "C" "G" "T" "A" "C" "G" "G" "A" "T" "T" "T" "A" "A" "T"
## [23203] "C" "T" "G" "T" "A" "A" "T" "T" "T" "T" "G" "T" "G" "G" "A" "T" "T" "T"
  [23221] "C" "G" "T" "C" "G" "C" "C" "A" "A" "C" "T" " "C" "A" "T" "C" "T" "A"
  [23239] "A" "T" "T" "T" "C" "T" "T" "G" "G" "A" "T" "C" "C" "G" "T" "T" "T" "G"
  [23257] "T" "G" "A" "A" "T" "T" "A" "T" "C" "A" "T" "T" "T" "T" "T" "T" "T" "G" "G" "T"
## [23293] "A" "A" "A" "T" "C" "T" "T" "T" "T" "T" "A" "A" "T" "C" "C" "A" "C"
## [23329] "T" "T" "C" "G" "G" "A" "G" "A" "T" "C" "T" "G" "T" "T" "T" "T" "A" "A"
## [23347] "A" "T" "G" "G" "C" "T" "G" "T" "G" "A" "A" "A" "T" "T" "G" "T" "C"
```

```
## [23365] "A" "T" "A" "A" "G" "A" "A" "A" "C" " " "G" "A" "T" "A" "T" "C" "A" "T"
  [23383] "C" "A" "G" "C" "C" "G" "T" "A" "T" "C" "T" "A" "C" "G" "A" "A" "A" "T"
  [23401] "T" "A" "A" "G" "A" "T" "C" "T" "T" "A" "A" "A" "C" "A" "T" "G" "A" "A" "A"
## [23419] "G" "A" "T" "C" "A" "T" "T" "T" "C" "A" "T" "G" "T" "G" "T" "G" "T" "A"
## [23437] "A" "C" "A" "T" "C" "G" "T" "T" " " "A" "T" "T" "T" "T" "C" "A" "T" "T" "T"
## [23455] "C" "T" "T" "T" "A" "T" "T" "C" "C" "G" "T" "A" "T" "A" "T" "T" "A" "A" "A"
## [23473] "T" "C" "A" "T" "G" "T" "T" "G" "T" "G" "C" "C" "A" "A" "A" "T" "T"
## [23491] "T" "G" "T" "G" "G" "C" "A" "C" "A" "T" "T" "G" "A" "T" "A" "C" "A" "A"
  [23509] "T" "C" "A" "T" "C" "A" "A" " " " "C" "A" "T" "G" "A" "T" "T" "G" "A" "T" "T"
  [23545] "A" "T" "C" "G" "T" "A" "T" "T" "A" "A" "T" "C" "G" "A" "T" "A" "T" "C"
## [23563] "A" "T" "A" "G" "G" "G" "T" "T" "C" "C" "C" "T" "G" "T" "G" "A" "T" "A"
## [23581] "A" "T" "T" "G" "T" "C" " " "G" "T" "C" "G" "A" "T" "T" "T" "T" "G" "G" "T"
## [23599] "A" "C" "T" "C" "A" "T" "C" "G" "T" "T" "C" "C" "C" "A" "A" "A" "A" "G"
## [23617] "T" "T" "T" "G" "G" "A" "T" "T" "A" "T" "G" "A" "G" "A" "T" "C" "T" "A"
## [23635] "T" "T" "A" "A" "G" "T" "A" "A" "T" "C" "C" "A" "A" "A" "G" "A" "A" "T"
         "T" "A" "T" "C" "A" " " "T" "T" "C" "T" "G" "A" "T" "C" "T" "T" "A" "A"
  [23653]
## [23671] "C" "A" "G" "A" "T" "G" "T" "A" "T" "T" "C" "G" "T" "C" "G" "G" "T" "A"
## [23689] "A" "T" "C" "T" "A" "G" "A" "C" "A" "C" "A" "C" "G" "G" "T" "T" "G"
## [23725] "T" "G" "A" "T" " " "A" "A" "T" "A" "A" "A" "C" "G" "A" "C" "C" "A" "A"
## [23743] "A" "T" "T" "C" "A" "T" "A" "T" "A" "C" "A" "G" "A" "G" "G" "A" "T"
## [23761] "G" "T" "T" "G" "A" "A" "G" "C" "C" "A" "T" "C" "A" "A" "A" "A" "A" "G" "T"
## [23779] "G" "T" "A" "A" "T" "G" "T" "G" "A" "G" "T" "T" "C" "T" "T" "G" "C" "A"
## [23797] "G" "A" "A" " " "A" "G" "A" "C" "A" "T" "A" "C" "C" "A" "T" "C" "C" "T"
  [23815] "A" "A" "A" "A" "G" "G" "T" "G" "A" "T" "G" "A" "A" "G" "A" "A" "G" "A" "A" "G" "T"
## [23833] "C" "T" "C" "T" "G" "A" "C" "C" "A" "A" "A" "A" "T" "C" "T" "A" "G" "A"
  [23851] "A" "G" "C" "G" "T" "C" "C" "G" "T" "T" "C" "T" "A" "A" "A" "T" "A" "G" "G"
## [23869] "T" "A" " "A" "G" "G" "G" "A" "C" "G" "C" "G" "C" "A" "G" "G" "A" "G"
## [23887] "A" "C" "T" "G" "A" "A" "G" "T" "C" "A" "T" "G" "T" "A" "G" "T" "T" "T"
## [23905] "G" "C" "T" "T" "A" "A" "C" "T" "A" "C" "A" "A" "A" "G" "T" "T" "G"
  [23923] "A" "C" "C" "A" "A" "A" "A" "C" "A" "C" "G" "A" "G" "G" "T" "T" "T" "C"
## [23941] "T" " "G" "T" "T" "G" "C" "A" "T" "A" "T" "G" "T" "G" "G" "T" "C" "C"
## [23959] "A" "T" "A" "A" "A" "C" "C" "A" "A" "A" "A" "T" "A" "T" "G" "C" "A" "C" "C"
## [23977] "G" "A" "A" "A" "T" "A" "A" "T" "C" "A" "A" "C" "G" "T" "A" "A" "C" "A"
## [23995] "A" "T" "T" "G" "T" "A" "C" "G" "G" "T" "T" "T" "G" "T" "T" "A" "T" "C"
## [24013] " " "C" "A" "A" "A" "T" "A" "C" "A" "T" "T" "G" "T" "T" "A" "A" "A" "A" "T"
## [24049] "C" "C" "A" "C" "A" "C" "A" "T" "C" "A" "C" "A" "A" "A" "A" "T" "A" "T" "T"
## [24067] "A" "G" "T" "T" "A" "T" "C" "G" "G" "T" "G" "G" "T" "G" "T" "A" "G" " "
## [24085] "T" "G" "G" "T" "A" "A" "A" "T" "T" "C" "A" "G" "T" "C" "C" "C" "T" "T"
## [24103] "T" "T" "T" "A" "C" "A" "T" "T" "G" "A" "A" "A" "A" "T" "T" "C" "G" "A" "G"
  [24121] "A" "G" "A" "A" "C" "T" "T" "C" "G" "T" "C" "C" "A" "A" "A" "A" "G" "A" "A"
## [24139] "T" "A" "T" "T" "G" "G" "T" "C" "A" "A" "T" "T" "G" "A" "C" "C" " " " "A"
## [24157] "A" "A" "T" "T" "T" "A" "G" "T" "A" "G" "T" "C" "G" "T" "T" "T" "A" "A"
## [24175] "A" "C" "T" "A" "T" "A" "T" "A" "G" "T" "G" "T" "A" "T" "G" "T" "T"
  [24193] "T" "G" "A" "A" "T" "T" "T" "T" "A" "A" "T" "A" "G" "C" "T" "T" "C" "G"
## [24211] "A" "A" "C" "G" "C" "A" "A" "A" "C" "C" "T" "A" "T" "A" "C" " " "C" "A"
## [24229] "A" "C" "C" "A" "A" "A" "C" "C" "A" "T" "G" "T" "T" "C" "T" "A" "G" "T"
## [24247] "T" "A" "A" "C" "C" "A" "A" "C" "G" "A" "G" "A" "C" "A" "C" "T" "T" "T"
## [24265] "A" "T" "T" "C" "T" "T" "A" "A" "G" "A" "A" "A" "G" "A" "A" "T"
## [24283] "A" "T" "T" "A" "T" "T" "A" "A" "C" "A" "G" "G" "T" "T" " " "G" "A" "A"
## [24301] "T" "C" "C" "C" "A" "G" "T" "T" "A" "A" "A" "G" "A" "C" "A" "T" "G" "T"
```

```
## [24337] "T" "A" "T" "T" "C" "A" "T" "T" "G" "A" "C" "C" "A" "A" "A" "A" "A" "T" "A"
  [24355] "C" "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "T" " " "G" "A" "C" "A"
## [24373] "A" "A" "A" "G" "A" "A" "A" "C" "A" "T" "C" "T" "T" "T" "T" "T" "G" "T" "A"
## [24391] "G" "G" "C" "A" "T" "T" "A" "T" "C" "C" "T" "G" "G" "A" "A" "A" "A" "C" "A"
## [24409] "T" "A" "A" "G" "A" "C" "T" "C" "C" "T" "G" "A" "A" "A" "C" "A" "T" "T"
## [24427] "C" "A" "T" "T" "T" "C" "G" "T" "G" "G" "C" "A" " " "G" "A" "T" "A" "C"
## [24445] "G" "T" "T" "A" "T" "G" "T" "T" "C" "A" "A" "A" "G" "A" "A" "A" "A" "T"
## [24463] "C" "T" "T" "C" "A" "A" "T" "A" "T" "A" "C" "A" "A" "A" "T" "A" "T" "C"
## [24481] "A" "C" "T" "G" "G" "T" "G" "T" "G" "A" "C" "C" "A" "T" "T" "A" "A" "T"
## [24499] "G" "G" "T" "C" "A" "C" "A" "T" "G" "A" "G" " " "T" "G" "A" "T" "C" "G"
  [24517] "T" "G" "T" "T" "C" "A" "T" "T" "T" "A" "C" "A" "T" "G" "G" "T" "A" "C"
## [24535] "G" "A" "A" "T" "T" "C" "A" "A" "G" "T" "A" "T" "G" "A" "C" "T" "C" "G"
## [24553] "T" "C" "C" "A" "C" "C" "A" "C" "G" "A" "C" "T" "G" "T" "A" "G" "T" "A"
## [24571] "T" "T" "G" "T" "T" "T" "T" "C" "C" "A" " " "C" "T" "G" "A" "G" "G" "A"
## [24589] "C" "A" "A" "C" "A" "T" "G" "A" "T" "C" "T" "A" "T" "A" "A" "A" "A" "A" "C"
## [24607] "A" "T" "C" "G" "A" "A" "C" "A" "A" "A" "T" "G" "G" "T" "G" "T" "G" "C"
  [24625] "A" "T" "G" "T" "T" "C" "C" "A" "T" "A" "G" "A" "C" "T" "T" "G" "T" "G"
## [24643] "G" "A" "A" "A" "G" "A" "A" "T" "T" " "T" "A" "A" "C" "A" "A" "G" "T"
  [24661] "A" "T" "T" "C" "T" "T" "T" "C" "A" "C" "A" "C" "G" "G" "G" "T" "A" "C"
## [24679] "A" "T" "G" "T" "A" "T" "T" "G" "T" "C" "G" "A" "A" "G" "A" "T" "G" "T"
## [24697] "G" "G" "G" "A" "A" "T" "T" "C" "C" "C" "A" "A" "C" "A" "G" "A" "C" "G"
## [24715] "A" "C" "A" "A" "C" "A" "G" "G" " " "T" "G" "T" "T" "C" "A" "A" "A" "A" "A"
## [24733] "T" "G" "T" "G" "T" "G" "G" "T" "G" "C" "A" "A" "G" "T" "T" "C" "T" "G"
## [24751] "A" "G" "A" "A" "A" "A" "C" "G" "T" "T" "C" "T" "T" "A" "G" "A" "T" "T"
## [24769] "T" "A" "A" "C" "C" "G" "T" "A" "C" "A" "A" "C" "T" "T" "T" "G" "T" "T"
## [24787] "C" "A" "T" "T" "G" "A" "G" " " "T" "A" "A" "C" "A" "A" "A" "G" "A" "G"
## [24805] "A" "T" "T" "G" "T" "A" "G" "T" "G" "G" "A" "T" "T" "G" "A" "G" "T" "G"
## [24823] "G" "A" "T" "G" "A" "C" "A" "G" "A" "A" "T" "A" "A" "T" "G" "T" "C" "A"
## [24841] "T" "C" "C" "G" "A" "T" "T" "C" "T" "A" "T" "T" "C" "A" "C" "G" "T" "G"
## [24859] "T" "T" "T" "T" "C" "A" " " "A" "T" "C" "G" "T" "C" "G" "A" "A" "G" "T"
## [24877] "G" "G" "T" "C" "G" "G" "A" "A" "C" "G" "A" "G" "A" "C" "A" "T" "T"
  [24895] "A" "T" "T" "C" "G" "T" "A" "G" "A" "A" "C" "A" "T" "C" "T" "C" "G" "T"
## [24913] "C" "C" "A" "C" "C" "T" "A" "A" "T" "T" "T" "G" "A" "A" "G" "T" "T" "G"
## [24931] "A" "G" "A" "T" "A" " " "A" "A" "C" "A" "C" "C" "T" "C" "A" "C" "A"
## [24949] "A" "T" "T" "G" "T" "T" "A" "C" "G" "T" "C" "A" "C" "C" "G" "T" "T" "C"
## [24967] "T" "A" "T" "T" "G" "T" "C" "A" "A" "C" "A" "A" "T" "A" "G" "A" "C" "G"
## [24985] "G" "G" "T" "A" "A" "A" "T" "T" "A" "T" "C" "T" "T" "C" "A" "A" "T" "T"
## [25003] "T" "G" "G" "T" " " "A" "A" "T" "T" "G" "A" "A" "C" "A" "C" "C" "C" "C" "A"
## [25021] "T" "A" "A" "A" "G" "G" "T" "G" "A" "A" "A" "A" "A" "T" "C" "A" "C" "A"
  [25039] "C" "T" "A" "A" "A" "T" "T" "A" "C" "G" "A" "C" "T" "G" "T" "A" "C" "A"
##
  [25057] "T" "G" "G" "A" "T" "G" "G" "G" "T" "C" "T" "T" "T" "T" "G" "A" "T" "C"
[25093] "A" "T" "G" "A" "G" "T" "T" "T" "T" "C" "G" "G" "A" "G" "T" "T" "G" "T"
## [25111] "G" "C" "A" "T" "C" "T" "C" "A" "C" "A" "G" "T" "A" "G" "T" "A" "A" "T"
## [25129] "C" "C" "A" "T" "T" "T" "T" "G" "T" "A" "T" "T" "T" "T" "A" "C" "A" "A"
## [25147] "A" "A" " "T" "G" "G" "A" "A" "G" "T" "A" "C" "A" "C" "T" "T" "A" "A"
   [25183] "T" "T" "G" "T" "A" "G" "T" "C" "G" "A" "G" "G" "T" "A" "G" "T" "T"
  [25201] "T" "A" "T" "T" "C" "A" "A" "C" "C" "T" "G" "G" "T" "T" "T" "T" "G" "A" "C"
## [25219] "A" " "A" "C" "A" "G" "G" "T" "A" "T" "A" "C" "A" "G" "T" "A" "C"
          "T" "G" "T" "A" "C" "A" "G" "G" "T" "G" "T" "T" "G" "A" "A" "C" "G" "C"
  [25237]
## [25255] "A" "C" "A" "C" "C" "T" "C" "C" "A" "A" "T" "T" "A" "C" "A" "A" "C" "A"
## [25273] "G" "A" "T" "G" "A" "C" "A" "A" "C" "A" "T" "T" "T" "G" "T" "G" "G" "A"
## [25291] " " "A" "T" "T" "A" "T" "C" "A" "G" "G" "A" "G" "T" "G" "A" "A" "A" "G" "A"
```

```
## [25309] "G" "A" "G" "T" "T" "T" "C" "T" "T" "C" "T" "T" "C" "A" "C" "A" "C" "A" "G"
  [25327] "A" "A" "T" "T" "C" "T" "A" "A" "C" "A" "G" "T" "T" "T" "T" "C" "C" "A" "C"
  [25345] "T" "A" "T" "T" "G" "A" "A" "G" "T" "G" "G" "T" "A" "G" "A" "T" "C" " "
  [25363] "C" "A" "C" "C" "T" "T" "A" "C" "A" "C" "A" "T" "C" "C" "T" "A" "A"
## [25381] "T" "G" "A" "T" "C" "A" "C" "A" "T" "T" "A" "T" "A" "T" "G" "T" "G" "A"
## [25399] "A" "A" "A" "T" "A" "G" "T" "G" "G" "A" "G" "A" "G" "A" "A" "T" "T" "C"
## [25417] "T" "T" "A" "A" "A" "G" "A" "T" "A" "T" "G" "G" "A" "T" "C" "A" " " "A"
## [25435] "C" "A" "C" "A" "T" "C" "T" "A" "A" "C" "A" "G" "G" "T" "C" "T" "T" "A"
  [25453] "T" "C" "C" "T" "G" "G" "T" "T" "A" "G" "A" "A" "A" "A" "T" "A" "T" "C" "C"
  [25471] "T" "T" "G" "G" "T" "C" "G" "T" "T" "C" "A" "C" "T" "C" "T" "A" "C" "C"
  [25489] "A" "A" "A" "G" "T" "T" "A" "T" "T" "T" "A" "C" "A" "A" "A" " "G" "A"
## [25507] "A" "G" "T" "C" "C" "A" "C" "A" "A" "A" "A" "T" "C" "T" "T" "C" "T" "T"
  [25525] "C" "T" "T" "C" "A" "T" "T" "C" "A" "T" "A" "T" "G" "G" "G" "T" "A" "A" "T"
## [25543] "A" "T" "G" "C" "G" "A" "C" "A" "T" "T" "G" "T" "C" "G" "T" "A" "G" "T"
## [25561] "C" "C" "A" "C" "T" "T" "C" "T" "T" "G" "T" "C" "T" " " " "T" "G"
## [25579] "A" "C" "A" "T" "C" "G" "A" "C" "C" "G" "T" "G" "A" "A" "A" "A" "C" "T" "C"
  [25597]
         "T" "C" "T" "A" "G" "A" "G" "T" "A" "T" "A" "T" "G" "G" "C" "T" "C" "G"
  [25615] "T" "C" "G" "A" "A" "G" "A" "A" "G" "G" "T" "T" "T" "A" "A" "A" "A" "T" "T"
  [25633] "C" "G" "G" "T" "A" "C" "A" "C" "A" "A" "T" "G" "T" " "A" "T" "C" "G"
## [25651] "G" "T" "T" "C" "A" "C" "C" "G" "T" "A" "A" "C" "A" "T" "T" "G" "T" "T"
## [25669] "C" "T" "C" "A" "A" "A" "G" "T" "A" "A" "A" "T" "C" "T" "A" "G" "C" "A"
## [25687] "A" "T" "T" "C" "A" "C" "A" "C" "A" "C" "T" "A" "T" "T" "C" "A" "C"
## [25723] "G" "A" "C" "C" "A" "C" "A" "T" "T" "T" "T" "C" "A" "T" "T" "T" "T" "A"
## [25741] "G" "A" "T" "C" "G" "T" "G" "G" "T" "A" "T" "A" "G" "G" "T" "T" "G" "G"
  [25759] "T" "G" "T" "G" "G" "G" "A" "G" "A" "A" "C" "A" "T" "A" "A" "A" "A" "T"
[25795] "G" "A" "C" "A" "T" "A" "T" "C" "A" "A" "C" "T" "T" "T" "G" "A" "T" "A"
## [25813] "C" "C" "G" "A" "A" "A" "T" "C" "A" "A" "A" "G" "G" "T" "G" "T" "G" "T"
## [25831] "C" "T" "G" "T" "C" "C" "G" "T" "A" "A" "T" "T" "A" "A" "A" "A" "C" "G" "C"
## [25849] "A" "C" "A" "A" "A" "G" "A" "A" "G" "A" " "C" "G" "T" "A" "C" "A" "C"
  [25867]
          "G" "T" "T" "C" "G" "T" "A" "A" "A" "G" "A" "G" "C" "G" "T" "T" "T" "A"
  [25885] "A" "G" "G" "T" "T" "C" "T" "T" "T" "G" "T" "C" "A" "A" "G" "G" "T" "T"
  [25903] "C" "T" "T" "A" "A" "A" "G" "A" "C" "G" "A" "A" "A" "G" "A" "G" "T" "A"
## [25921] "A" "T" "C" "T" "C" "T" "A" "T" "T" " "A" "T" "C" "T" "A" "C" "C" "A"
         "T" "C" "T" "T" "A" "C" "A" "T" "T" "T" "C" "C" "G" "T" "G" "A" "A"
## [25939]
## [25957] "A" "A" "T" "G" "T" "G" "A" "A" "A" "A" "T" "T" "C" "G" "T" "G" "A"
## [25975] "C" "A" "G" "A" "A" "A" "C" "G" "G" "G" "A" "G" "A" "G" "A" "T" "G" "T"
## [25993] "C" "A" "C" "A" "T" "T" "G" "G" " " "T" "A" "A" "A" "T" "T" "T" "G" "G"
  [26011] "G" "A" "C" "T" "G" "G" "G" "C" "C" "C" "A" "T" "T" "C" "A" "C" "C" "A"
##
  ## [26047] "G" "T" "G" "A" "A" "A" "A" "G" "A" "G" "T" "T" "T" "C" "G" "A" "A" "A" "A"
## [26065] "G" "C" "G" "A" "T" "C" "G" " " "T" "A" "A" "A" "G" "T" "C" "A" "T" "C"
## [26083] "A" "C" "G" "G" "T" "G" "G" "T" "C" "G" "A" "A" "A" "A" "A" "A" "T" "C"
## [26101] "A" "T" "C" "C" "A" "T" "A" "T" "T" "G" "G" "T" "G" "T" "C" "G" "T" "C"
## [26119] "A" "A" "T" "T" "T" "T" "G" "T" "G" "G" "G" "A" "G" "A" "A" "C" "T" "T"
  [26137] "G" "T" "T" "G" "T" "A" " " "G" "T" "G" "G" "G" "T" "G" "A" "T" "A" "T"
  [26173] "T" "T" "C" "T" "T" "C" "A" "C" "A" "C" "A" "G" "T" "T" "A" "C"
  [26191] "A" "G" "T" "G" "A" "T" "T" "G" "T" "T" "C" "T" "C" "A" "C" "C" "G" "T"
         "C" "T" "T" "A" "G" " " "A" "C" "C" "T" "A" "C" "T" "T" "C" "T" "A" "A"
  [26209]
## [26227] "C" "G" "G" "T" "A" "A" "T" "T" "A" "C" "A" "G" "T" "T" "A" "T" "A" "T"
## [26245] "T" "T" "C" "A" "T" "T" "G" "T" "T" "C" "A" "A" "A" "A" "A" "G" "A" "C" "A"
## [26263] "C" "T" "C" "C" "T" "T" "G" "A" "A" "T" "C" "A" "A" "A" "G" "A" "A" "G"
```

```
## [26281] "G" "T" "C" "T" " "C" "A" "A" "C" "A" "A" "C" "A" "T" "T" "G" "A" "A"
  [26299] "G" "A" "A" "G" "T" "T" "G" "T" "G" "T" "C" "G" "A" "A" "A" "A" "C" "T"
  [26317] "A" "A" "A" "A" "G" "A" "A" "T" "A" "G" "T" "A" "G" "A" "A" "C" "A" "A"
  [26335] "A" "A" "G" "A" "G" "A" "C" "A" "G" "T" "T" "G" "A" "C" "T" "T" "C"
  [26353] "C" "A" "A" " "" "A" "T" "G" "A" "A" "A" "G" "T" "C" "A" "A" "T" "A" "T"
## [26371] "T" "T" "A" "C" "C" "G" "A" "A" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A" "G" "A"
## [26389] "A" "A" "T" "C" "C" "T" "T" "A" "G" "A" "G" "T" "C" "G" "C" "T" "A" "G"
## [26407] "A" "A" "A" "A" "C" "A" "A" "G" "T" "T" "G" "A" "A" "C" "G" "A" "A" "A" "A"
  [26425] "A" "G" " "T" "G" "A" "G" "A" "G" "T" "A" "A" "A" "A" "A" "G" "T" "T"
  [26443] "T" "T" "T" "C" "G" "A" "A" "C" "T" "T" "T" "G" "T" "T" "C" "A" "A" "A"
  [26461] "C" "A" "G" "T" "A" "T" "C" "T" "C" "T" "A" "A" "A" "A" "A" "A" "A" "T" "A" "G"
## [26479] "T" "T" "C" "T" "G" "T" "C" "G" "A" "T" "T" "C" "A" "T" "C" "T" "G"
  [26497] "T" " "A" "A" "A" "C" "A" "C" "G" "C" "T" "T" "G" "T" "C" "A" "T" "A"
## [26515] "G" "A" "T" "G" "T" "G" "T" "T" "G" "A" "G" "A" "A" "T" "T" "T" "C"
## [26533] "T" "T" "A" "C" "A" "T" "A" "T" "C" "C" "C" "A" "G" "T" "C" "G" "T" "G"
## [26551] "G" "T" "T" "T" "T" "A" "T" "G" "G" "T" "C" "G" "A" "C" "T" "A" "T"
  [26569]
         " " "T" "A" "T" "T" "A" "C" "C" "A" "C" "G" "T" "T" "C" "A" "T" "C" "T"
  [26587] "T" "G" "A" "A" "G" "C" "A" "C" "G" "A" "C" "T" "A" "A" "T" "T" "T" "T"
  [26605] "A" "A" "A" "A" "G" "T" "A" "T" "T" "C" "G" "T" "G" "A" "G" "A" "A" "T"
## [26623] "T" "C" "T" "T" "C" "A" "A" "C" "T" "T" "A" "C" "A" "G" "A" "A" "G" " "
## [26641] "T" "G" "G" "A" "A" "A" "C" "A" "A" "T" "T" "G" "T" "A" "A" "A" "C" "C"
## [26659] "C" "G" "G" "C" "T" "G" "T" "T" "G" "T" "A" "C" "T" "T" "C" "T" "G" "T"
## [26677] "C" "A" "C" "A" "A" "A" "T" "C" "G" "T" "T" "C" "T" "A" "A" "C" "A" "C"
## [26713] "A" "T" "G" "G" "T" "G" "G" "T" "G" "A" "A" "A" "A" "T" "T" "C" "A" "C"
  [26731] "C" "A" "G" "G" "T" "A" "A" "T" "C" "A" "T" "C" "G" "A" "T" "A" "C" "A"
## [26749] "T" "T" "A" "G" "T" "A" "G" "T" "A" "A" "G" "T" "A" "A" "G" "T" "T" "G" "A" "A"
  [26767] "C" "G" "T" "A" "C" "C" "G" "T" "A" "A" "C" "A" "A" "T" "C" " " "A" "T"
## [26785] "C" "G" "G" "A" "A" "T" "A" "A" "T" "T" "C" "C" "G" "A" "G" "G" "A"
## [26803] "C" "G" "T" "T" "G" "T" "G" "G" "A" "G" "G" "A" "G" "G" "T" "A" "C" "A"
## [26821] "A" "A" "T" "T" "C" "C" "A" "T" "T" "G" "T" "A" "A" "A" "C" "C" "G" "A"
          "C" "G" "T" "A" "A" "T" "T" "G" "T" "T" "G" "T" "G" "T" "G" " T" "G" " " "A"
  [26839]
  [26857] "A" "C" "C" "A" "A" "A" "A" "A" "T" "G" "G" "A" "A" "A" "A" "A" "A" "T" "C" "G"
  [26875] "A" "A" "G" "A" "A" "G" "G" "T" "G" "T" "T" "A" "C" "A" "G" "A" "C" "G"
## [26893] "T" "A" "A" "A" "A" "A" "T" "T" "A" "C" "A" "T" "A" "T" "G" "T" "A" "A" "A"
## [26911] "C" "A" "G" "T" "C" "A" "T" "T" "C" "A" "A" "A" "A" "A" " "T" "T" "T" "A"
## [26929] "T" "T" "G" "G" "T" "G" "A" "T" "T" "T" "T" "G" "A" "T" "A" "A" "G" "T"
## [26947] "G" "A" "A" "G" "T" "T" "A" "T" "C" "A" "G" "A" "C" "T" "T" "T" "T"
## [26965] "G" "A" "C" "C" "A" "C" "A" "T" "T" "C" "A" "A" "G" "G" "T" "A" "G" "A"
  [26983] "G" "A" "T" "T" "A" "A" "C" "T" "C" "C" "A" "A" " " "C" "T" "T" "G" "G"
##
## [27001] "A" "G" "T" "T" "G" "T" "T" "A" "A" "C" "A" "A" "A" "C" "T" "T" "A" "T"
## [27019] "C" "A" "T" "C" "A" "A" "C" "A" "G" "A" "C" "T" "A" "A" "C" "A" "G" "G"
## [27037] "A" "G" "T" "G" "A" "C" "G" "G" "C" "A" "G" "A" "A" "C" "A" "A" "C" "T"
## [27055] "G" "G" "T" "T" "G" "T" "C" "A" "A" "A" "C" " " "A" "A" "C" "T" "G" "A"
## [27073] "T" "A" "G" "T" "A" "G" "T" "A" "G" "A" "T" "T" "G" "G" "T" "T" "A" "G"
[27109] "T" "C" "C" "A" "A" "C" "T" "T" "C" "T" "C" "G" "T" "C" "G" "T" "C" "T"
## [27127] "T" "C" "A" "C" "C" "G" "T" "G" "G" "T" " " "T" "T" "A" "A" "G" "G" "T"
  [27145] "T" "T" "C" "C" "A" "A" "A" "T" "G" "G" "A" "A" "C" "C" "A" "T" "T" "A"
## [27163] "G" "T" "A" "G" "A" "A" "G" "T" "C" "A" "T" "G" "G" "T" "A" "T" "G" "A"
## [27181] "G" "T" "A" "T" "A" "A" "C" "T" "C" "A" "A" "C" "T" "A" "C" "C" "G" "A"
## [27235] "A" "G" "G" "A" "G" "T" "A" "G" "A" "C" "C" "T" "C" "C" "C" "A" "T" "C"
```

```
[27271] "C" "T" "T" "C" "G" "G" "T" "T" " " "A" "A" "A" "T" "T" "T" "G" "A" "G"
## [27289] "T" "G" "G" "T" "C" "T" "G" "A" "G" "T" "A" "G" "T" "T" "T" "A" "T" "T"
## [27307] "C" "A" "T" "C" "A" "T" "A" "C" "A" "T" "C" "G" "G" "G" "T" "A" "T" "G" "A"
## [27325] "G" "G" "T" "G" "A" "G" "T" "A" "G" "A" "T" "T" "T" "A" "G" "T" "T" "A"
## [27343] "C" "G" "G" "G" "T" "C" "A" " " "C" "C" "A" "C" "A" "T" "T" "C" "A" "T"
## [27361] "T" "A" "A" "G" "T" "C" "T" "A" "T" "G" "A" "C" "C" "A" "A" "C" "G" "T"
## [27379] "T" "T" "C" "A" "A" "A" "A" "A" "T" "A" "C" "T" "G" "T" "C" "G" "T" "A"
## [27397] "G" "A" "C" "G" "G" "T" "G" "T" "G" "T" "G" "T" "C" "C" "C" "G" "C" "T"
## [27415] "T" "G" "A" "G" "T" "A" " "A" "T" "G" "A" "A" "G" "A" "C" "A" "T"
  [27433] "G" "G" "C" "T" "C" "A" "A" "G" "T" "T" "G" "A" "C" "A" "T" "A" "T" "C"
## [27451] "C" "G" "T" "C" "T" "C" "G" "T" "G" "A" "A" "G" "A" "G" "T" "A" "A" "T"
## [27469] "T" "C" "A" "T" "G" "A" "A" "A" "A" "G" "T" "T" "A" "G" "G" "G" "A" "A"
## [27487] "A" "G" "T" "A" "G" " " "T" "T" "C" "A" "A" "G" "T" "T" "T" "T" "C" "A"
## [27505] "C" "T" "A" "T" "A" "A" "G" "T" "G" "T" "G" "A" "G" "A" "A" "C" "A" "T"
## [27523] "T" "G" "G" "A" "A" "C" "G" "T" "G" "A" "A" "G" "A" "T" "A" "G" "T" "G"
## [27541] "T" "C" "A" "C" "A" "G" "T" "A" "G" "T" "G" "T" "T" "T" "T" "T" "C" "A"
## [27559] "T" "T" "G" "G" " " "A" "A" "A" "C" "A" "A" "C" "C" "A" "C" "G" "T" "G"
## [27577] "G" "C" "G" "G" "A" "A" "A" "C" "T" "C" "A" "C" "A" "C" "T" "T" "C" "C"
## [27595] "A" "T" "A" "A" "C" "A" "A" "C" "A" "A" "T" "G" "G" "T" "A" "G" "T"
## [27613] "A" "T" "A" "A" "T" "C" "C" "A" "C" "G" "T" "T" "C" "C" "C" "G" "T" "G"
## [27631] "T" "C" "A" " "T" "G" "A" "A" "A" "A" "G" "A" "C" "A" "C" "A" "G" "A"
## [27649] "A" "A" "C" "T" "A" "A" "G" "C" "T" "C" "G" "T" "T" "G" "T" "A" "T"
## [27667] "T" "C" "G" "G" "G" "C" "A" "A" "T" "T" "A" "T" "G" "T" "T" "T" "G" "A"
## [27685] "C" "C" "A" "C" "A" "T" "G" "G" "T" "T" "G" "G" "T" "T" "A" "C" "C" "T"
## [27703] "C" "G" " " "A" "A" "G" "T" "T" "G" "T" "C" "G" "A" "A" "G" "T" "G" "A"
## [27721] "T" "C" "A" "T" "C" "C" "A" "A" "C" "A" "A" "G" "A" "T" "T" "A" "C" "C"
## [27739] "A" "A" "C" "A" "T" "T" "T" "A" "G" "T" "G" "G" "T" "C" "A" "A" "A" "A" "A"
## [27757] "G" "T" "T" "C" "T" "G" "T" "T" "G" "A" "A" "G" "G" "A" "G" "A" "C" "A"
## [27775] "A" " "T" "T" "G" "T" "G" "A" "A" "G" "A" "C" "A" "C" "C" "C" "T" "T"
## [27793] "C" "A" "C" "A" "A" "A" "G" "A" "G" "G" "G" "G" "A" "G" "A" "T" "T" "C" "T"
## [27811] "T" "C" "T" "A" "T" "T" "A" "A" "G" "A" "A" "A" "A" "A" "C" "C" "C" "C"
## [27829] "G" "A" "A" "A" "A" "T" "C" "T" "C" "C" "G" "T" "A" "C" "T" "C" "A" "T"
## [27847] " " "C" "C" "G" "G" "T" "C" "A" "A" "A" "G" "A" "G" "A" "G" "A" "C"
## [27865] "C" "T" "A" "A" "A" "T" "T" "G" "T" "G" "T" "G" "A" "A" "A" "G" "A" "C"
## [27883] "A" "T" "G" "T" "T" "A" "G" "G" "G" "A" "A" "A" "C" "T" "C" "A" "C" "G"
## [27901] "C" "A" "C" "T" "G" "T" "T" "T" "A" "C" "A" "A" "A" "G" "T" "G" "G" " "
## [27919] "A" "T" "T" "T" "A" "A" "G" "T" "T" "C" "C" "G" "A" "A" "A" "A" "T" "T" "C"
## [27937] "A" "A" "A" "T" "C" "G" "A" "G" "G" "T" "G" "G" "T" "T" "A" "T" "T" "A"
## [27955] "C" "T" "A" "T" "C" "T" "C" "A" "G" "T" "C" "G" "T" "G" "T" "G" "T" "T"
## [27991] "G" "T" "T" "C" "G" "A" "A" "T" "T" "T" "C" "T" "A" "C" "A" "G" "A"
## [28009] "C" "T" "T" "G" "T" "G" "A" "G" "A" "G" "A" "A" "A" "T" "T" "A" "A" "A" "A"
## [28027] "G" "G" "A" "A" "A" "C" "G" "T" "G" "T" "C" "C" "A" "C" "T" "G" "T" "T"
## [28045] "A" "A" "A" "C" "A" "G" "G" "T" "G" "G" "C" "T" "G" "T" "T" " " "A" "A"
## [28063] "A" "G" "T" "G" "T" "C" "G" "T" "G" "T" "C" "C" "A" "A" "C" "T" "C"
  [28099] "G" "T" "T" "G" "G" "C" "A" "G" "A" "G" "A" "T" "T" "T" "C" "T" "T" "T" "G"
  ## [28135] "G" "A" "A" "G" "A" "G" "A" "G" "T" "T" "C" "G" "G" "T" "T" "A" "G"
  ## [28171] "A" "A" "G" "T" "A" "T" "T" "T" "G" "T" "C" "A" "C" "G" "G" "T" "T" "T"
## [28189] "C" "T" "A" "C" "A" "A" "T" "C" "A" "A" "T" "C" "G" " " " "G" "T" "G" "A"
## [28207] "C" "G" "C" "T" "T" "C" "A" "G" "T" "T" "G" "A" "C" "T" "T" "G" "T" "T"
```

```
## [28225] "G" "T" "G" "G" "T" "G" "G" "A" "C" "A" "T" "T" "A" "C" "A" "T" "C" "C"
  [28261] "A" "T" "C" "A" "T" "C" "G" "G" "T" "T" "T" "A" "A" " " "G" "T" "C" "T" "A"
  [28279] "C" "A" "C" "T" "T" "G" "T" "A" "G" "T" "A" "T" "C" "G" "T" "A" "G" "T"
  [28297] "T" "A" "C" "T" "C" "A" "G" "A" "G" "T" "C" "A" "C" "T" "T" "A" "T" "G"
## [28315] "A" "C" "A" "C" "T" "T" "T" "A" "A" "G" "G" "T" "A" "G" "A" "T" "C" "A"
## [28333] "T" "A" "A" "C" "A" "A" "T" "A" "T" "C" "G" " " "C" "C" "G" "G" "A" "A"
## [28351] "G" "A" "C" "A" "T" "T" "T" "T" "G" "T" "G" "C" "G" "T" "G" "T" "C" "T"
  [28369] "T" "A" "A" "A" "A" "C" "T" "C" "G" "T" "C" "A" "A" "A" "A" "G" "T" "C"
  [28387] "T" "C" "A" "C" "G" "C" "C" "C" "T" "C" "T" "T" "T" "T" "A" "A" "C" "T"
  [28405] "A" "G" "C" "A" "T" "G" "T" "T" "G" "T" " "G" "C" "T" "C" "G" "T" "C"
## [28423] "G" "G" "A" "G" "A" "C" "T" "A" "C" "G" "T" "T" "T" "A" "C" "G" "T" "A"
## [28441] "T" "T" "T" "C" "T" "C" "T" "G" "A" "G" "T" "C" "A" "T" "A" "A" "C"
## [28459] "T" "A" "A" "A" "G" "A" "C" "A" "A" "G" "T" "G" "G" "T" "T" "A" "T" "A"
[28513] "A" "A" "T" "T" "T" "T" "A" "A" "T" "G" "G" "T" "G" "T" "C" "C" "T" "A"
  [28531] "A" "G" "T" "T" "G" "T" "T" "A" "A" "A" "C" "A" "A" "A" "C" "T" "T" "A"
  [28549] "C" "G" "A" "A" "A" "T" "A" "T" " " "T" "A" "G" "G" "T" "T" "T" "G" "G"
## [28567] "A" "A" "A" "G" "T" "G" "T" "C" "A" "A" "A" "G" "G" "T" "G" "T" "T" "T"
## [28585] "T" "C" "G" "T" "G" "A" "A" "C" "A" "C" "C" "T" "T" "C" "G" "T" "C" "T"
## [28603] "T" "T" "T" "T" "C" "T" "A" "C" "G" "G" "T" "T" "T" "T" "A" "T" "T" "A"
## [28621] "C" "C" "G" "C" "T" "A" "G" " " "A" "G" "A" "A" "G" "T" "A" "A" "T" "T"
## [28639] "C" "A" "A" "A" "T" "T" "T" "C" "A" "G" "T" "G" "G" "T" "T" "G" "T" "T"
## [28657] "A" "T" "A" "A" "C" "T" "A" "C" "A" "A" "C" "T" "G" "A" "A" "A" "A" "G" "A"
  [28675] "G" "A" "A" "A" "A" "A" "C" "C" "T" "C" "A" "T" "A" "A" "A" "A" "G" "T" "T"
## [28693] "C" "T" "T" "C" "C" "A" " "A" "C" "A" "G" "T" "A" "A" "T" "T" "C" "T"
  [28711] "G" "G" "A" "A" "G" "C" "C" "T" "T" "G" "G" "A" "A" "G" "A" "G" "G" "T"
## [28729] "T" "G" "T" "T" "G" "T" "G" "G" "A" "C" "A" "T" "A" "C" "C" "A" "A" "T"
## [28747] "G" "T" "T" "G" "G" "A" "T" "A" "C" "A" "T" "C" "G" "C" "G" "A" "T"
## [28765] "C" "G" "T" "G" "C" " " "A" "C" "C" "T" "T" "G" "G" "G" "T" "T" "A" "T"
         "C" "C" "G" "T" "G" "T" "G" "A" "A" "C" "A" "A" "T" "A" "C" "C" "C" "G" "T"
  [28783]
  [28801] "T" "G" "G" "T" "T" "G" "T" "A" "T" "T" "C" "T" "C" "T" "T" "G" "T" "G"
  [28819] "T" "G" "T" "C" "G" "G" "A" "G" "G" "T" "T" "T" "C" "C" "G" "T" "T" "A"
## [28837] "T" "C" "A" "C" " "G" "C" "T" "G" "G" "T" "G" "G" "G" "A" "A" "T" "G"
## [28855] "C" "T" "T" "C" "T" "T" "A" "C" "C" "A" "A" "A" "A" "G" "T" "T" "C" "G"
## [28873] "G" "T" "C" "T" "A" "A" "G" "T" "A" "A" "T" "A" "C" "C" "A" "T" "A" "A"
## [28909] "C" "A" "G" " " "G" "A" "T" "G" "A" "A" "G" "A" "C" "T" "T" "A" "A" "C"
  [28927] "A" "C" "T" "G" "T" "A" "C" "G" "A" "C" "C" "T" "G" "T" "T" "A" "T" "T"
##
  [28945] "T" "A" "A" "A" "A" "T" "T" "G" "T" "T" "G" "T" "C" "G" "T" "A" "A" "A" "A"
## [28963] "A" "C" "C" "C" "C" "A" "T" "T" "C" "A" "T" "T" "G" "G" "T" "G" "T" "T"
## [28999] "T" "C" "A" "G" "T" "T" "T" "A" "A" "G" "A" "G" "T" "C" "A" "C" "G" "G"
## [29017] "T" "G" "T" "T" "T" "T" "A" "A" "G" "C" "G" "T" "T" "C" "A" "C" "C" "G"
## [29035] "A" "A" "A" "T" "T" "G" "T" "T" "T" "T" "A" "G" "C" "G" "G" "G" "C" "A"
         "G" " "A" "C" "G" "G" "T" "A" "C" "T" "T" "C" "A" "A" "A" "G" "T" "G"
  [29053]
  [29071] "G" "T" "G" "T" "A" "C" "T" "A" "G" "T" "G" "T" "G" "A" "A" "G" "T"
  [29089] "A" "C" "T" "C" "T" "C" "A" "A" "C" "T" "T" "T" "C" "C" "C" "G" "T" "G" "T"
## [29107] "A" "A" "A" "C" "C" "A" "A" "C" "G" "T" "A" "A" "G" "T" "A" "A" "A" "C"
         " " "C" "A" "C" "T" "G" "C" "G" "T" "T" "G" "A" "C" "C" "T" "A" "T" "C"
  [29125]
## [29143] "T" "G" "T" "C" "T" "A" "G" "C" "T" "T" "A" "A" "G" "A" "T" "G" "G" "G"
## [29161] "T" "A" "T" "T" "T" "C" "G" "G" "T" "A" "G" "T" "T" "C" "G" "A" "A" "A"
## [29179] "A" "A" "G" "A" "A" "A" "A" "T" "T" "G" "G" "G" "A" "A" "C" "C" " "
```

```
## [29197] "A" "A" "C" "T" "T" "A" "T" "C" "A" "G" "A" "A" "C" "T" "A" "A" "T" "A"
  [29215] "C" "C" "T" "T" "A" "A" "A" "T" "T" "C" "C" "C" "T" "T" "T" "A" "T" "G"
  [29233] "T" "T" "T" "T" "A" "A" "A" "C" "C" "T" "G" "T" "A" "A" "G" "G" "G" "G"
  [29251] "T" "A" "A" "C" "T" "T" "C" "C" "A" "C" "A" "G" "T" "T" "T" "A" " " " "A"
## [29287] "G" "T" "T" "T" "T" "C" "C" "A" "C" "A" "G" "A" "C" "G" "T" "T" "A" "A"
## [29305] "G" "T" "A" "T" "C" "G" "A" "G" "A" "A" "A" "A" "G" "T" "C" "T" "T" "G"
## [29323] "C" "A" "A" "G" "G" "C" "A" "C" "A" "T" "G" "G" "T" "T" "C" " " "G" "T"
  [29341] "T" "A" "A" "A" "G" "T" "A" "C" "G" "A" "G" "T" "A" "C" "A" "A" "G" "T"
  [29359] "G" "C" "C" "G" "T" "C" "G" "T" "C" "A" "T" "A" "T" "A" "T" "G" "T" "G" "G" "G"
  [29377] "G" "A" "G" "A" "A" "T" "C" "A" "C" "A" "G" "T" "T" "A" "T" "T" "T" "T" "C"
## [29395] "A" "G" "G" "T" "C" "A" "A" "C" "A" "A" "G" "C" "C" "T" " " "G" "T" "T"
  [29413] "T" "C" "A" "C" "G" "T" "A" "C" "T" "T" "C" "G" "A" "A" "A" "A" "T" "G" "G"
## [29431] "T" "C" "G" "T" "G" "C" "A" "C" "G" "A" "T" "C" "T" "T" "C" "C" "A" "G"
## [29449] "A" "A" "A" "T" "T" "A" "C" "G" "T" "G" "A" "G" "T" "T" "C" "T" "C" "C"
## [29467] "C" "A" "T" "C" "G" "G" "T" "A" "G" "T" "C" "C" "C" " " "G" "G" "T" "G"
  [29485]
          "T" "C" "T" "T" "C" "A" "A" "C" "A" "A" "T" "A" "G" "C" "T" "G" "T" "A"
  [29503] "T" "C" "G" "C" "T" "C" "A" "C" "A" "T" "A" "C" "G" "G" "G" "G" "G" "A" "G"
  [29521] "G" "C" "A" "A" "T" "T" "C" "G" "A" "G" "T" "G" "C" "G" "T" "A" "C" "T"
## [29539] "C" "A" "A" "G" "T" "G" "C" "C" "C" "A" "T" "T" " " "G" "T" "G" "G" "T"
## [29557] "G" "A" "C" "G" "A" "T" "A" "C" "A" "A" "A" "T" "C" "A" "C" "A" "A" "G"
## [29575] "G" "T" "C" "A" "A" "A" "A" "G" "A" "A" "C" "T" "T" "T" "T" "A" "G" "A"
## [29593] "A" "G" "T" "A" "T" "T" "C" "C" "T" "A" "G" "T" "C" "A" "C" "G" "G" "T"
## [29611] "T" "C" "G" "A" "G" "C" "A" "G" "C" "G" "G" " " "A" "T" "T" "C" "A" "G"
## [29629] "T" "T" "A" "C" "T" "G" "A" "A" "A" "T" "C" "T" "A" "G" "C" "C" "G"
  [29647] "C" "G" "G" "C" "A" "T" "T" "G" "A" "T" "A" "C" "C" "G" "G" "T" "G" "G"
## [29665] "T" "C" "G" "A" "G" "G" "A" "A" "A" "A" "T" "A" "T" "G" "G" "C" "A" "A"
  ## [29701] "A" "C" "G" "C" "C" "A" "T" "T" "C" "G" "G" "T" "G" "A" "C" "C" "A" "T"
## [29719] "A" "A" "A" "G" "C" "G" "G" "G" "T" "G" "T" "A" "C" "T" "C" "C" "C" "T"
## [29737] "G" "T" "T" "C" "C" "T" "G" "T" "G" "T" "T" "C" "A" "C" "A" "G" "A"
          "G" "T" "G" "G" "T" "G" "A" "T" "G" " " " "C" "T" "G" "G" "C" "A" "T" "G"
  [29755]
  [29773] "A" "C" "T" "T" "A" "C" "G" "G" "A" "A" "G" "C" "T" "C" "A" "A" "G" "A"
## [29791] "C" "G" "A" "T" "G" "G" "T" "C" "G" "A" "G" "T" "T" "G" "G" "T" "A" "T"
## [29809] "T" "G" "T" "A" "C" "T" "G" "G" "T" "A" "C" "T" "C" "C" "A" "C" "G" "T"
## [29827] "C" "A" "A" "G" "C" "T" "C" "G" " " "T" "A" "G" "G" "C" "T" "T" "G" "C"
## [29845] "A" "A" "A" "C" "T" "A" "C" "T" "T" "G" "T" "G" "T" "A" "T" "C" "C" "C"
## [29863] "G" "A" "C" "A" "A" "G" "T" "T" "C" "A" "A" "C" "T" "C" "C" "G" "T" "T"
## [29881] "T" "T" "G" "C" "G" "G" "A" "A" "A" "A" "A" "G" "T" "T" "G" "A" "A" "G"
  [29899] "A" "T" "G" "A" "T" "T" "C" " " "G" "G" "T" "G" "T" "T" "C" "A" "C" "G"
##
  [29917] "G" "T" "A" "G" "A" "A" "A" "T" "T" "C" "T" "A" "C" "A" "A" "C" "T" "G"
## [29935] "C" "A" "C" "G" "G" "A" "G" "A" "C" "T" "A" "T" "T" "C" "T" "G" "G" "A"
## [29953] "G" "G" "A" "G" "G" "T" "G" "C" "C" "T" "C" "A" "G" "A" "G" "G" "T" "T"
## [29971] "T" "C" "G" "G" "T" "G" " " "C" "A" "T" "G" "C" "T" "C" "G" "T" "G" "C"
## [29989] "A" "G" "C" "G" "C" "T" "T" "G" "G" "A" "C" "A" "T" "T" "T" "T" "T" "G" "T"
## [30007] "C" "C" "G" "T" "T" "T" "G" "A" "C" "T" "C" "A" "A" "C" "C" "T" "G" "C"
   [30025] "A" "C" "A" "C" "A" "A" "A" "A" "A" "G" "A" "G" "C" "A" "A" "C" "T" "T" "T"
  [30043] "G" "G" "T" "C" "C" " " "C" "T" "G" "T" "T" "C" "C" "G" "A" "G"
  [30061] "G" "T" "A" "G" "A" "A" "T" "G" "G" "A" "A" "A" "G" "C" "C" "A" "G" "T"
  [30079] "G" "T" "G" "G" "G" "C" "C" "T" "G" "C" "T" "T" "T" "G" "G" "A" "T" "C"
          "T" "A" "C" "A" "C" "G" "A" "C" "T" "A" "C" "T" "A" "G" "C" "C" "C" "G" "A"
  [30097]
  [30115] "C" "G" "T" "T" " " "G" "T" "G" "C" "C" "T" "G" "C" "T" "T" "T" "T" "T" "G" "G"
## [30133] "C" "A" "T" "T" "C" "G" "T" "C" "G" "A" "C" "G" "T" "C" "T" "T" "C"
## [30151] "T" "A" "T" "C" "T" "G" "C" "T" "C" "A" "A" "T" "G" "A" "G" "C" "A" "C"
```

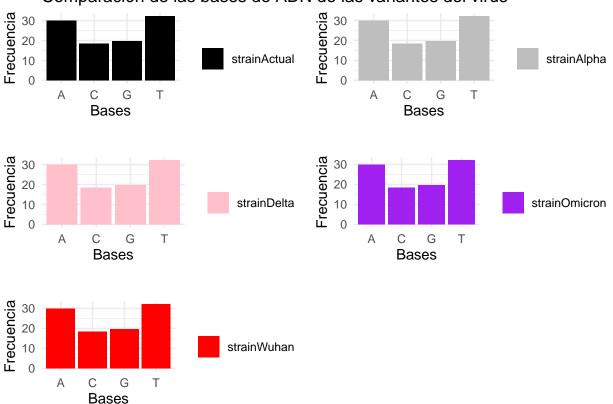
```
## [30169] "A" "G" "G" "A" "C" "A" "G" "T" "T" "G" "C" "T" "G" "T" "C" "A" "T" "T"
## [30187] "A" "A" "T" " " "C" "A" "A" "T" "A" "A" "T" "A" "A" "T" "A" "T" "G"
## [30205] "A" "C" "G" "C" "A" "C" "T" "C" "A" "C" "G" "T" "G" "A" "T" "T" "C" "G"
## [30223] "T" "A" "C" "G" "T" "C" "G" "G" "C" "T" "C" "A" "C" "T" "G" "T" "C" "G"
## [30241] "G" "T" "G" "T" "G" "T" "C" "T" "A" "A" "A" "A" "T" "T" "T" "C" "A" "A"
## [30259] "G" "C" " "A" "A" "A" "T" "C" "T" "C" "T" "T" "G" "T" "C" "T" "A" "G"
## [30277] "A" "T" "G" "T" "T" "C" "T" "C" "T" "A" "G" "C" "T" "T" "T" "C" "A" "A"
## [30313] "C" "T" "T" "C" "C" "A" "T" "A" "T" "T" "G" "G" "A" "A" "A" "A" "T" "T"
## [30331] "A"
gwuhan = data.frame(
  bases = c("A", "C", "G", "T"),
   g1 = percentageBases(strainActual)
w \leftarrow ggplot(gwuhan, aes(x = bases, y = g1, fill = bases)) +
   geom_bar(data = gwuhan, aes(x = bases, y = g1, fill = "strainActual"), stat = "identity", position =
   labs(title = "Comparación de las bases de ADN de las variantes del virus",x = "Bases", y = "Frecuenci
   scale_fill_manual(values = c("strainActual" = "black")) +
   theme_minimal()
galfa = data.frame(
   bases = c("A", "C", "G", "T"),
   g2 = percentageBases(strainAlpha)
a <- ggplot(galfa, aes(x = bases, y = g2, fill = bases)) +
   geom_bar(data = galfa, aes(x = bases, y = g2, fill = "strainAlpha"), stat = "identity", position = "d
   labs(title = "",x = "Bases", y = "Frecuencia", fill = "") +
   scale_fill_manual(values = c("strainAlpha" = "grey")) +
   theme_minimal()
gbeta = data.frame(
   bases = c("A", "C", "G", "T"),
   g3 = percentageBases(strainDelta)
b <- ggplot(gbeta, aes(x = bases, y = g3, fill = bases)) +
   geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = "strainDelta"), stat = "identity", position = "double geom_bar(data = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases, y = g3, fill = gbeta, aes(x = bases,
   labs(title = "",x = "Bases", y = "Frecuencia", fill = "") +
   scale_fill_manual(values = c("strainDelta" = "pink")) +
   theme_minimal()
gdelta = data.frame(
   bases = c("A", "C", "G", "T"),
   g4 = percentageBases(strainOmicron)
d <- ggplot(gdelta, aes(x = bases, y = g4, fill = bases)) +</pre>
   geom_bar(data = gdelta, aes(x = bases, y = g4, fill = "strainOmicron"), stat = "identity", position =
   labs(title = "",x = "Bases", y = "Frecuencia", fill = "") +
   scale_fill_manual(values = c("strainOmicron" = "purple")) +
   theme_minimal()
```

```
gdelta = data.frame(
  bases = c("A", "C", "G", "T"),
  g4 = percentageBases(strainWuhan)
)

f <- ggplot(gdelta, aes(x = bases, y = g4, fill = bases)) +
  geom_bar(data = gdelta, aes(x = bases, y = g4, fill = "strainWuhan"), stat = "identity", position = "labs(title = "", x = "Bases", y = "Frecuencia", fill = "") +
  scale_fill_manual(values = c("strainWuhan" = "red")) +
  theme_minimal()

grid.arrange(w,a,b,d,f, ncol=2)</pre>
```

## Comparación de las bases de ADN de las variantes del virus



Las graficas muestran la comparacion de nuleotidos entre variantes, podemos notar que la adenina y timina en general son los que mashay dentro delas secuencia. pero en general no exite una diferencia que los haga ser distitnos entre variatnes de la enfermedad.

## Referencias

https://www.ncbi.nlm.nih.gov/