
DNA replication

Y77867_en

Write a program that reads several DNA strands, and writes the complementay strand for each of them. Remember that Adenine (A) pairs with Thymine (T) and Guanine (G) with Cytosine (C).

Input

The input is a sequence of strings. All strings are formed exclusively by characters A,T,G,C.

Output

For each string in the input, print the complementary DNA strand.

Sample input

```
GATTAGACAA
ATACA ACATA CAGATA GATAGAT
CCCGGGAAATA
GCATCATCATCAGTCAGCTATCTATTCTGCATAGTCAGTCA
CAC
```

Sample output

```
CTAATCTGTT
TATGT
TGTAT
GTCTAT
CTATCTA
GGGCCCTTTAT
CGTAGTAGTAGTCAGTCGATAGATAAGACGTATCAGTCAGT
GTG
```

Problem information

Author: Lluís Padró

Generation: 2026-05-28T15:57:11.141Z

© Jutge.org, 2006–2026.

<https://jutge.org>