## Unicode email addresses | 2 point(s)

With the expansion of the Internet across the world, the demand is growing for everyone to have an email address. Until everyone is ready to use international characters, you are now in charge of writing a converter that will take UTF-8 characters and bring them back to something DNS servers will be able to handle.

To do so, you must take an email string and break it into 3 pieces: first@second.third. Process each piece as follows:

1. Leave all characters that have ASCII codes between 33 and 126 as is, except convert uppercase letters to lowercase letters
2. Represent all other characters (referred to hereinafter as special characters) using the format +position?UTF-8\_hexadecimal\_representation
   * The position is the 0-indexed position of the represented character
   * The UTF-8 hexadecimal representation must not contain spaces and must be finalized

If at least one special character was present in the string, append a ~ and each special character at the end of the address.

For example, the piece Pøpø would be processed to pp+1?C3B8+3?C3B8~øø

Clarifications

* There shouldn’t be any spaces.
* You will receive only characters contained within the UTF-8 standard

Input description/format

Each line will be an email address with Unicode characters.

Output description/format

<new email address composition>~<characters removed in order>

Example input

WoRlD\_ReAdY@Microsoft.COM

Café@Chaud.tôt

Trinitŷ@߷.com

ա@մ.կ

😎@🚀.com

ep@ез.кom

Soup@🍚.com

🆍🆌@SAPA.com

ಠಠ@Look.com

ᱪ@Alien.invasion

Vikingoftheᛗ@North.ᛣ

ဩ@ဦ.com

Ⴭaჯ@Greorgian.letTer

Example output

world\_ready@microsoft.com

caf+3?C3A9@chaud.tt+1?C3B4~éô

trinit+6?C5B7@+0?DFB7.com~ŷ߷

+0?D5A1@+1?D5B4.+0?D5AF~ամկ

+0?EFBFBD+1?EFBFBD@+1?EFBFBD+2?EFBFBD.com~😎🚀

ep@+0?D0B5+1?D0B7.om+0?D0BA~езк

soup@+0?EFBFBD+1?EFBFBD.com~🍚

+0?EFBFBD+1?EFBFBD+2?EFBFBD+3?EFBFBD@sapa.com~🆍🆌

+0?E0B2A0+1?E0B2A0@look.com~ಠಠ

+0?E1B1AA@alien.invasion~ᱪ

vikingofthe+14?E19B97@north.+0?E19BA3~ᛗᛣ

+0?E180A9@+0?E180A6.com~ဩဦ

a+0?E1838D+2?E183AF@greorgian.letter~Ⴭჯ

Practice

ѼѿѼthissybol@Ѿ.Wfans

ĸīŜŜ@chõcölĄt.ƜôƆ

҉is@ҨҦ.ЮШШХ

अअघ@धभऽष.औछच

ᨕᨔᨓᨈ@ᨊᨋᨏ.ᨇᨅᨄ

ᵂᵃᵏᵉ@ᵘᵖ.ᴥ

ЙЧФЫ@ИЫоХП.ЫЕ

Thisis@default.TEST

ଗଙଜଙ@ଥଫ.ଧକ

ปฦด@෴.ดบ

ᦹᦩᦪ@ᦕᦖ.ᦟ

ḨḗḆṜḕẆ@Ṵṩ.ẨḾ

⍇⍆⍃@⌻⌽.⌹⌸⍕⍮

⎔⏫⏩@␗␜.⍙⍈

⌨⏳@Ⓒ⒔.⑫

★oftheinternet@⛛.⛅

☎call@☕break.com

⢷⢪⢎⡺@⡗⡚⡞⠶.⠶⠵⠳⠺

▊▇▄▅@▜.▖

ꗄ@lien.ꖒ