```python
#!/usr/bin/env python3
# -*- coding: utf-8 -*-


#
# fichier: joli.py
# version: 0.5.0
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#    date: 2014/10/28
#
# (tous les symboles non internationaux sont volontairement omis)
#

import string

class joli(object):

  def __init__(self, car ="?"): # const. globale: "?" vaut monome.INDET_DEG_0
    """ _ """
    self.__car = car
    self.__nombre = 1
    self.__gauche = None
    self.__droite = None



  def car(self):
    """ _ """
    return self.__car



  def nombre(self):
    """ _ """
    return self.__nombre



  def a_plat(self, concis =True):
    """ _ """
    s = ""

    liaison = " * "
    if concis: liaison = "*"

    if self.__gauche is not None:
      s = liaison + self.__gauche.a_plat(concis)

    if self.__nombre == 1:
      s = "{}".format(self.__car) + s
    else:
      s = "{}^{}".format(self.__car, self.__nombre) + s

    if self.__droite is not None:
      s = self.__droite.a_plat(concis) + liaison + s

    return s



  def __repr__(self):
    """ _ """
    return "[joli:\n__car={},\n__nombre={},\n__gauche={},\n__droite={}\n]\n"\
      .format(self.__car, self.__nombre, id(self.__gauche), id(self.__droite))



  def __str__(self):
    """ _ """
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        return self.a_plat()



    def inserer(self, x):
        """ _ """
        if not(x in string.ascii_letters):
            return

        if self.__car == x:
            self.__nombre += 1
            return

        if self.__car < x:
            if self.__gauche is None:
                self.__gauche = joli(x)
            else:
                self.__gauche.inserer(x)
            return

        if self.__droite is None:
            self.__droite = joli(x)
        else:
            self.__droite.inserer(x)



    def nombre_noeuds(self):
        """ _ """
        n = 1
        if self.__gauche is not None:
            n += self.__gauche.nombre_noeuds()

        if self.__droite is not None:
            n += self.__droite.nombre_noeuds()

        return n



def format_indet(s, concis =True):
    """ _ """
    if len(s) == 0:
        return ""

    n = joli(s[0])
    s = s[1:]
    for c in s: n.inserer(c)

    return n.a_plat(concis)
```