Appendix 1

dicta.py

```
# dictum starts with dictum ante or dictum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     # re.S (re.DOTALL) makes '.' special character match any character
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                print('expected 1277 dicta, found ' + str(len(dicta)) + ' dicta', file=sys.stderr)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                # dictum ends with major division,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           # or inscription or text tag.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             # or number of major division,
                                                                                                                                                                                                                                                                                                                                                                                                                                                            dicta = re.findall('(?:\<T [AP]\>|(?<=\<T [AP]\>))(.*?)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       # or number of question,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        # non-capturing group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    # or number of canon,
                                                                                                                                                                                                                                                                                                                                                                                                                                  # (?<=...) positive Lookbehind assertion.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                # or Palea,
                                                                                                                                                                                                                                                                                                                                         dictionary_Fr = {} # Friedberg
dictionary_1r = {} # first recension
dictionary_2r = {} # second recension
                                                                                                                                                                                                                                                                                                                 toc = open('./toc_all.txt', 'r')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \<1 [CD][CP]?\>|'
                                                        # Paul Evans (10evans@cua.edu)
                                                                                                                                                                                                                                                          f = open('./edF.txt', 'r')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      '\<3 \d{1,2}\>|'
'\<4 \d{1,3}\>|'
'\<P 1\>|'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \\\2 \d{1,3}\\|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           '\<T [AIPRT]\>'
#!/usr/local/bin/python3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ')', file, re.S)
                                                                                       # 25 Oct - 8 Nov 2015
                                                                                                                 # 17 Oct - 24 Oct 2013
                                                                                                                                                                                                                                                                                       file = f.read()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    including newline.
                                                                                                                                                                                                                                def main():
                                                                                                                                                                                                      import sys
                                                                                                                                                                           import re
```



```
dictum = re.sub('\<S \d{1,4}\>\<L 1\> \-\d{1,4}\+', '', dictum) # remove page and line number tags.
dictum = re.sub('\<P 1\> \-\[PALEA\.\+', '', dictum) # remove Palea tags.
dictum = re.sub('\-.*?\+', '', dictum)
dictum = re.sub('\-.*?\+', '', dictum)
dictum = re.sub('\s+', '', dictum) # remove leading whitespace characters
dictum = re.sub('\s+', '', dictum) # remove trailing whitespace characters
dictum = re.sub('\s+', '', dictum) # remove trailing whitespace characters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'pattern': '(Ex hac epistola liquet, quid cuiusque offitii sit\.)'},
'pattern': '(Nunc autem per.*?mentem eius remordeat\.)'},
'pattern': '(Iohannes etiam Baptista.*?alteram habuisse probantur\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dictionary_2r[key] = dictionary_Fr[key] # copy dictum from Friedberg dictionary into second-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dictionary_1r[key] = dictionary_Fr[key] # copy dictum from Friedberg dictionary into first-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'pattern': '(Ut igitur ex.*?reddere non ualent. Sed obicitur illud
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'pattern': '(Illud autem, quod.*?que coniugium detestabatur,)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                      # if there's already a dictionary entry with this key, merge the entries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  # print('duplicate key: ' + key, file=sys.stderr)
dictum = dictionary_Fr[key] + ' ' + dictum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             keys = tuple(open('./toc_1r.txt', 'r'))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           keys = tuple(open('./toc_2r.txt', 'r'))
                                                                                                                                                                                                                                                                                                                                                                 key = toc.readline().rstrip()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dictionary_Fr[key] = dictum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   { 'key': 'D.25 d.p.c.1', 'pa
{ 'key': 'D.25 d.p.c.3', 'pa
{ 'key': 'D.26 d.p.c.4', 'pa
{ 'key': 'D.30 d.a.c.1', 'pa
{ 'key': 'D.31 d.p.c.11', 'pa
                                                                                                                                                                                                                                                                                                                                                                                                          if key in dictionary_Fr:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        key = key.rstrip()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         key = key.rstrip()
for dictum in dicta:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            keysandpatterns = [
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for key in keys:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   recension dictionary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for key in keys:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              recension dictionary
```



```
# {'key': 'C.2 q.3 d.p.c.7', 'pattern': '(Notandum quoque est.*?quod obiecerat desistat\.)'}, # @.2
{'key': 'C.2 q.3 d.p.c.7', 'pattern': '(Notandum quoque est.*?in Libro Capitulorum:)'}, # @.2
{'key': 'C.2 q.6 d.p.c.31', 'pattern': '(Forma uero appellationis.*?in scriptis fieri debent\.)'},
{'key': 'C.2 q.6 d.p.c.39', 'pattern': '(Cum autem in.*?suam agere oportet\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             # {'key': 'C.4 q.2 d.p.c.3', 'pattern': '(Sed obicitur illud.*?humanae actionis trahenda\.)'},
{'key': 'C.5 q.3 d.p.c.1', 'pattern': '(Ecce episcopus.*?se agere licet\.)'},
{'key': 'C.6 q.1 d.p.c.21', 'pattern': '(Verum hoc Augustini.*?accusatione ipse repellit\.)'},
{'key': 'C.11 q.1 d.p.c.34', 'pattern': '(Non ait propter.*?quam criminalem intelligens\.)'},
{'key': 'C.11 q.3 d.p.c.40', 'pattern': '(Premissis auctoritatibus, quibus.*?in se exceperunt\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                {\key\: 'C.1 q.1 d.p.c.123', 'pattern': '(Quolibet ergo munere.*?falsa diiudicatur ordinatio\.)\},
{\key\: 'C.1 q.4 d.p.c.9', 'pattern': '(Cum ergo de baptizatis.*?impediat nomen erroris\.)\},
{\key\: 'C.1 q.4 d.p.c.12', 'pattern': '(Ignorabat autem Petrus.*?permittitur ignorare, aliis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             subditorum\.)'},
{'key': 'C.2 q.8 d.p.c.5', 'pattern': '(Sed Calixtus Papa.*?per epistolam accusare audeat\.)'},
{'key': 'C.3 q.1 d.p.c.6', 'pattern': '(Patet ergo, quod.*?quam uocentur ad causam\.)'},
{'key': 'C.3 q.11 d.p.c.3', 'pattern': '(Hoc autem intelligendum.*?auctoritatibus non
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'pattern': '(Item Ioseph, moriens.*?eo sepultus est\?)(.*?)(Exemplo
                                                                                                                                                                                                 'pattern': '(Necesse est etiam.*?sollicitam diligentiam exhibebit\?)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'pattern': '(In diocesi autem.*?qui secum erant\.)(.*?)(Quia ergo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               {\key': 'D.63 d.p.c.34', 'pattern': '(Ex his constitutionibus.*?habita constitutum est\.)'},
{\key': 'D.68 d.p.c.2', 'pattern': '(Quod ergo consecratus.*?ad cautelam salutis\.)'},
{\key': 'C.1 q.1 d.p.c.51', 'pattern': '(Sed notandum est.*?Non sanat baptismus perfidorum,
                                                                                                                                                                                                                                                                     ['key': 'D.54 d.p.c.23', 'pattern': '(Ecce, quomodo serui.*?quomodo non admittantur\.)'},
['key': 'D.63 d.p.c.28', 'pattern': '(Verum, quia inperatores.*?anathematis uinculo
                                                                                                                                  'pattern': '(Hinc etiam alibi.*?uero patrem exhibeat.")'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'key': 'C.2 q.7 d.p.c.40', 'pattern': '(Cum ergo Petrus.*?suscipere reprehensionem
                                                                   .'key': 'D.42 d.p.c.1', 'pattern': '(Hinc etiam Iohannes.*?de ecclesia eiciebat\.)
                                                                                                                                                                                                                                                                                                                                                                                                               innodaretur,)(.*?)(Postremo presentibus legatis.*?ecclesiae Dei conferentes\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               igitur istorum.*?uoluntate tumulandi consistit\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nos.*?ad diocesianum transferre\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'key': 'C.13 q.1 d.p.c.1',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            {'key': 'C.13 q.2 d.p.c.3',
                                                                                                                              'key': 'D.45 d.p.c.17', 'key': 'D.47 d.p.c.8', '
Tripartitae ystoriae:)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          prohibetur\.)'},
```

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4
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'(Sed obicitur: Dauid.*?quam significatione futurorum\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        {'key': 'C.16 q.1 d.p.c.47', 'pattern': '(Quod autem dicitur.*?duos potest diuidi,)'},
{'key': 'C.16 q.1 d.p.c.53', 'pattern': '(Sicut duo episcopatus.*?ad paucitatem redigeretur\.)'},
{'key': 'C.16 q.3 d.p.c.15', 'pattern': '(Potest etiam aliter.*?obici non potest\.)'},
{'key': 'C.16 q.3 d.p.c.16', 'pattern': '(Sed sola prescriptione.*?spatio prescribi possunt\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'pattern': '(Ecce iste se.*?concepit, et ore pronunciauit\.)'}, # 'et
                                                                                                                                                                                                                                                                                                               {'key': 'C.15 q.1 d.p.c.3', 'pattern': '(Ex eo autem.*?penam aut gloriam.")'},
{'key': 'C.15 q.1 d.p.c.11', 'pattern': '(Cum itaque qui.*?Obicitur autem)'},
{'key': 'C.15 q.1 d.p.c.12', 'pattern': '(Sunt quedam, que.*?muneris executionem inpediunt\.)'},
{'key': 'C.16 q.1 d.p.c.40', 'pattern': '(.*?)(Ostendit ergo Ieronimus.*?ipsum inperfectis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'pattern': '(Potest in hac.*?personae quendam excommunicauerat,)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'C.23 q.4 d.p.c.27', 'pattern': '(ostendens, quod peccata.*?potius dissimulanda sunt)'),
'C.23 q.4 d.p.c.30', 'pattern': '(Quod autem peccatum.*?patienter tollerasse
                                                                                                                                                                                                                                                                           'C.14 q.5 d.p.c.14', 'pattern': '(Sed hoc multipliciter.*?bonum possunt conuerti\.)'}, 'C.15 q.1 d.p.c.3', 'pattern': '(Ex eo autem.*?penam aut gloriam.")'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      {'key': 'C.23 q.8 d.p.c.25', 'pattern': '(Hinc datur intelligi.*?Pontificis fieri debet\.)'},
{'key': 'C.23 q.8 d.p.c.27', 'pattern': '(Reprehenduntur ergo Gallicani.*?orationibus Deo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    connumerans\.)(.*?)(Ecce sufficienter monstratum.*?assecuntur potestatis executionem\.)(.*?$)'}, #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  'pattern': '(Sic etiam cum.*?creatorem iurat mendaciter\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'pattern': '(Quod autem coniugium.*?potest eam dimittere,)'},
transscendere\.)'},
{'key': 'C.14 q.1 d.p.c.1', 'pattern': '(Quia ergo generaliter.*?prohibentur stare coram iudice\.)'}, # 'stare coram iudice' occurs twice
                                                                                                                                                                               'key': 'C.14 q.2 d.p.c.1', 'pattern': '(Potest etiam intelligi.*?pauperum, testimonium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   '(Notandum uero est.*?uiro suo cognoscitur\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'pattern': '(Sed aliud est.*?omnibus modis prohibetur\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        '(Si ergo, ut.*?sed adulteri appellantur\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   '(Cum dicitur: "sciens.*?fraude decepta est;)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'pattern': '(Ille ergo falsum.*?esse quod iurat\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'C.32 q.1 d.p.c.10', 'pattern':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'pattern'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'pattern':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'pattern':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'C.22 q.1 d.p.c.16',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'C.23 q.4 d.p.c.26',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'key': 'C.17 q.2 d.p.c.2',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ('key': 'C.21 q.2 d.p.c.3',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'C.30 q.4 d.p.c.5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'C.31 q.1 d.p.c.7',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             q.2 d.p.c.5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'C.29 q.1 d.a.c.1',
'C.29 q.2 d.p.c.6',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ore pronunciauit' occurs twice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'C.22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        { 'key':
{ 'key':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            conmendent\.)'},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'key':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'key':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'key'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'key':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'key':
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'key'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          asseritur\.)'},
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key = 'C.3 q.1 d.p.c.2'
dictionary_1r[key] = '''Sed notandum est quod restitutio alia fit per presentiam iudicis, ueluti cum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dictionary_lr[key] = fixString(result.group(2)) + ' ' + fixString(result.group(4))
  dictionary_2r[key] = fixString(result.group(1)) + ' ' + fixString(result.group(3)) +
fixString(result.group(5))
{'key': 'de Pen. D.1 d.a.c.1', 'pattern': '(Utrum sola cordis.*?promereri, iuxta illud)'}, #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dictionary_lr[key] = fixString(result.group(1)) + ' ' + fixString(result.group(3))
dictionary_2r[key] = fixString(result.group(2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dictionary_lr[key] = fixString(result.group(1))
dictionary_2r[key] = fixString(re.sub(pattern, '', dictionary_2r[key]))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       print('no match: ' + key + '\n' + dictionary_Fr[key], file=sys.stderr)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        elif len(result.groups()) == 5: # C.16 q.1 d.p.c.40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              result = re.search(pattern, dictionary_Fr[key])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pattern = keysandpatterns[i]['pattern']
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             elif len(result.groups()) == 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  for i in range (len(keysandpatterns)):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if len(result.groups()) == 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     key = keysandpatterns[i]['key']
```



```
dictionary_lr[key] = dictionary_lr[key] + ''' His ita respondetur. Si uicium electionis ecclesie notum
fuerit et ideo reprobati fuerint et si aliqua uiolentia in sedibus illis irrepserit eiecti restitutionem
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dictionary_lr[key] = fixString(result.group(1)) + ''' Quecumque enim persone humanis legibus
copulari prohibentur et diuinis, non omnium copula a sacris canonibus admittitur, quorum conuentio legibus
imperatorum indulgetur. ''' + fixString(result.group(3))
    dictionary_2r[key] = fixString(result.group(2)) + '' + fixString(result.group(4))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           concesserit et si uiciosa fuerit eorum electio, tamen post eiectionem restituendi sunt, ante regularem ad
                                                    possessio recipitur. Alia fit per executorem iudicis quando restitutus corporalem recipit possessionem
                                                                                                                    Queritur ergo que harum concedatur expoliatis, an illa tantum, que fit per sententiam iudicis, an illa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   dictionary_1r[key] = dictionary_1r[key] + ''' Unde in quodam concilio statutum est ut episcopi non
                                                                                                                                                                                etiam que fit per executorem sententiae, qua expoliatis presentialiter omnia reciduntur. Hec ultima
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            postulare non possunt. Si autem ecclesia eos per pacientiam tolerare uoluerit et eis gradum honoris
dicitur a iudice: "Censeo te in integrum restituendum", qua restitutione animo tantum, non corpore
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       dictionary_1r[key] = '''Quod autem clerici secularium negotiorum procuratores esse non ualeant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pattern = '(Cum autem sacris.*?hoc non infertur\.)(.*?)(Quamuis igitur sacris.*?credi non
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            print('no match: ' + key + '\n' + dictionary_1r[key], file=sys.stderr)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               auctoritate Calcedonensis synodi probatur in qua sic statutum est legitur:'''
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (cc) BY-NC-ND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dictionary\_1r[key] = dictionary\_1r[key][\emptyset:-1] + ':'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           result = re.search(pattern, dictionary_1r[key])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            key = 'C.15 q.1 d.p.c.11'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       key = 'C.23 q.8 d.p.c.25'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                key = 'C.21 q.3 d.a.c.1'
                                                                                                                                                                                                                                            expoliatis prestanda est.'''
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                key = 'C.15 q.3 d.p.c.4'
                                                                                                                                                                                                                                                                                                                                                                    key = 'C.3 q.1 d.p.c.6'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                synodi uocationem.'''
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        oportet\.)(.*?$)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       # special fix
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # interpolate
```

```
dictionary_1r['de Pen. D.1 d.a.c.1'] = dictionary_1r[key].rstrip('.') + ''' Leonis pape:'''
proficiscantur ad comitatum nisi formatas ab apostolico acceperint.'''
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 string = re.sub('\s+', '', string) # 2r
string = re.sub('\\s+', '', string) # 2r
string = re.sub('\s+\s', '', string) # 2r
if string[-1] == ', or string[-1] == ';':
                                                                                                                                                                                                                                                                                  outfilename = './1r/' + key + '.txt'
each = open(outfilename, 'w')
each.write(dictionary_1r[key] + '\n')
all.write(dictionary_1r[key] + '\n')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      each.write(dictionary_2r[key] + '\n')
all.write(dictionary_2r[key] + '\n')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           outfilename = './2r/' + key + '.txt' each = open(outfilename, 'w')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   all = open('./Gratian2.txt', 'w')
keys = tuple(open('./toc_2r.txt', 'r'))
                                                                                                                                                          all = open('./Gratian1.txt', 'w')
keys = tuple(open('./toc_1r.txt', 'r'))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  string = string[0:-1] + '.'
                                                           key = 'de Pen. D.1 d.a.c.1'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for key in keys:
   key = key.rstrip()
                                                                                                                                                                                                                                                          key = key.rstrip()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      def fixString(string):
                                                                                                                                                                                                                          for key in keys:
                                                                                                                                                                                                                                                                                                                                                                                                                      each.close
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          each.close
                                                                                                                                                                                                                                                                                                                                                                                                                                                     all.close()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         all.close()
```



```
if string[-1].isalpha():
    string = string + '.'
return string
if __name__ == '__main__':
    main()
```

Appendix 2

```
decretum = parse.parse_all(preprocess(file))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      elif isinstance(subtree[1], str):
                                                                                                                                                                                                                                                                                                                                                                                                                                                  if isinstance(subtree[1], list):
                                                                                                                                                                                                                                              file = open('./edF.txt', 'r').read()
                                                                                                                                                                                                                                                                                                                                                                                                      for i in range(len(tree[1])):
    subtree = tree[1][i]
                                                                # Paul Evans (10evans@cua.edu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                traverse(subtree)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   text = subtree[1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tag = subtree[0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tag = subtree[0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        print(tag, text)
                                                                                                                                                                                                                                                                                         traverse(decretum[0])
                                                                                                                                                                                                                                                                                                                                    traverse(decretum[2])
                        #!/usr/local/bin/python3
                                                                                                                                                                                                                                                                                                                \mathsf{traverse}(\mathsf{decretum}[1])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             print(tag)
                                                                                                                                                                                                                                                                                                                                                                                  def traverse(tree):
                                                                                        # 8 February 2015 -
                                                                                                             # 12 February 2015
                                                                                                                                                                                                     import parse
                                                                                                                                                                                                                          def main():
                                                                                                                                                                              import sys
main.py
                                                                                                                                                          import re
```



```
text = re.sub('\<S \d{1,4}\>', '', text) # remove page number tags
text = re.sub('\<L \d{1,2}\>', '', text) # remove line number tags
text = re.sub('\<P 1\>|\<P 0\>', '', text) # remove Palea tags
text = re.sub('\<P 1\>|\<P 0\>', '', text) # remove multiple whitespace characters
text = re.sub('\S+', '', text) # remove trailing whitespace characters
                               text = re.sub(re.compile('\-.*?\+', re.S), '', text) # remove comments
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            m = re.search('(\<1 D\>.*?)(\<1 C\>.*?)(\<1 DC\>.*?)$', text, re.S)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 part_list.append(('<1 DC>', parse_part_3(m.group(3)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          part_list.append(('<1 D>', parse_part_1(m.group(1)))
part_list.append(('<1 C>', parse_part_2(m.group(2)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          # Paul Evans (10evans@cua.edu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 distinction_list = []
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #!/usr/local/bin/python3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                def parse_part_1(text):
def preprocess(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return(part_list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       def parse_all(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                # 23 January 2015 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  # 12 February 2015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            part_list = []
                                                                                                                                                                                                                                         return(text)
                                                                                                                                                                                                                                                                                                                   if __name__
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         import sys
                                                                                                                                                                                                                                                                                                                                                                                                                                 parse.py
                                                                                                                                                                                                                                                                                                                                                      main()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       import re
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    # D.1-101
```



```
case = case.strip(' ')
m = re.match('(\<2 \d{1,2}\>)(\<T Q\>) (.*?) (\<3 1\>.*?)$', case)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                distinctions = re.findall('(?:\<1 DC\>)(.*?)(?=\<1 DC\>|$)', text)
distinctions = re.findall('(?:\<1 D\>)(.*?)(?=\<1 D\>|$)', text)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               node = (m.group(2), m.group(3)) # d.init. tag-text tuple
question_list = parse_questions(m.group(4))
question_list.insert(0, node)
                                                                                                                                                        node = (m.group(2), m.group(3)) # d.a.c.1 tag-text tuple
canon_list = parse_canons(m.group(4))
                                                                                                                                                                                                                                                                                                                                                                                                                                                        cases = re.findall('(?:\<1 C\>)(.*?)(?=\<1 C\>|$)', text)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                distinction = distinction.strip(' ')
m = re.match('(\<2 \d\>) (\<4 1\>.*?)$', distinction)
                                                                                                                                                                                                                                                           distinction_list.append((tag, canon_list))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   case_list.append((tag, question_list))
                                for distinction in distinctions:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for distinction in distinctions:
                                                                                                                                                                                                                          canon_list.insert(0, node)
                                                                                                                                                                                                                                                                                         return(distinction_list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   distinction_list = []
                                                                                                                               tag = m.group(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tag = m.group(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tag = m.group(1)
                                                                                                                                                                                                                                                                                                                                                                                            def parse_part_2(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    def parse_part_3(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for case in cases:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                return(case_list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       # de Consecratione
                                                                                                                                                                                                                                                                                                                                                                                                                           case_list = [
                                                                                                                                                                                                                                                                                                                                                               # C.1-36
```



```
question = question.strip(' ')
m0 = re.match('(\<3 \d{1,2}\<)) (\<T A\>) (.*?) (\<1 DP\>.*?)$', question) # C.33 q.3 (de Pen.)
m1 = re.match('(\<3 \d{1,2}\>) (\<T A\>) (.*?) (\<4 1\>.*?)$', question)
m2 = re.match('(\<3 \d{1,2}\>) (\<T A\>) (.*?)$', question) # C.11 q.2, C.17 q.3, C.22 q.3, C.29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    distinction_list = parse_de_pen(m0.group(4))
question_list.append((tag, [node, ('<1 DP>', distinction_list)]))
                                                                                                                                                                                                                                questions = re.findall('(\<3 \d{1,2}\>.*?)(?=\<3 \d{1,2}\>|$)', text)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    node = (m0.group(2), m0.group(3)) \# d.a.c.1 tag-text tuple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           node = (m1.group(2), m1.group(3)) # d.a.c.1 tag-text tuple
canon_list = parse_canons(m1.group(4))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               node = (m2.group(2), m2.group(3)) # d.a.c.1 tag-text tuple
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                question_list.append((tag, canon_list))
                                     distinction_list.append((tag, canon_list))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    question_list.append((tag, [node]))
canon_list = parse_canons(m.group(2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         canon_list.insert(0, node)
                                                                                                                                                                                                                                                                       for question in questions:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tag = m0.group(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tag = m1.group(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tag = m2.group(1)
                                                                          return(distinction_list)
                                                                                                                                                          def parse_questions(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         return(question_list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      distinction_list = []
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               def parse_de_pen(text):
                                                                                                                                                                                               question_list = []
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       elif m1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   elif m2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          # de Penitentia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9.1
```



```
distinctions = re.findall('(?:\<1 DP\>)(.*?)(?=\<1 DP\>|$)', text)
                                                                                                                                                                                                                                                                                                                                                                                                                canons = re.findall('(\<4 \d{1,3}\\\.*?)(?=\<4 \d{1,3}\\\, text)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nodes = re.findall('(\<T [AIPRT]\>.*?)(?=\<T [AIPRT]\>|$)', text)
                                                                                                                                         node = (m.group(2), m.group(3)) # d.a.c.1 tag-text tuple
canon_list = parse_canons(m.group(4))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     canon = canon.strip(' ')
m = re.match('(\<4 \d{1,3}\>) (.*?)$', canon)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    node =node.strip(' ')
m = re.match('(\<T [AIPRI]\>) (.*?)$', node)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                m = re.match('(\langle 4 \langle d\{1,3\} \rangle) )', canon)
                                                                                                                                                                                                                                    distinction_list.append((tag, canon_list))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      # return list of terminal nodes (tag-text tuples)
def parse_nodes(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           canon_list.append((m.group(1), nodes))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nodes = parse_nodes(m.group(2))
else: # C.1 q.4 c.6
                            for distinction in distinctions:
                                                                                                                                                                                                      canon_list.insert(0, node)
                                                                                                                                                                                                                                                                return(distinction_list)
                                                                                                                   tag = m.group(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                               for canon in canons:
                                                                                                                                                                                                                                                                                                                           # return list of canons
def parse_canons(text):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nodes = []
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            return(canon_list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for node in nodes:
                                                                                                                                                                                                                                                                                                                                                                                     canon_list = []
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  node_list = []
```

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node_list.append((m.group(1), m.group(2)))
return(node_list)
if __name__ == '__main__':
 main()

Appendix 3

Correction	quantum ad moralem intelligentiam	carnis passione, mortuus uera corporis sui morte, resurrexit uera	Quod autem serui ecclesiarum	contra sententiam restitutionem inpetrauerit	a communione sit remouendus	in episcoporum iudicio	Quidam longa inualetudine grauatus episcopus
Error	quantam ad moralem intelligentiam		Quid autem serui ecclesiarum	contra sententiam restitutionem inpetraverit	a communione ait remouendus	in episcoporum indicio	Quidam longa inualetudinem grauatus episcopus
Date	6-0ct-	23-Aug- 19	6-Apr- 13	13-Jan- 19	1-Jul-19	1-Jul-19	8-Jul-19
Citation Column Reported by	11 Anders Winroth	Anders Winroth	Paul Evans	483 Paul Evans	536 Paul Evans	Paul Evans	566 Paul Evans
Column	11	79	214	483	536	536	266
Citation	D.6 d.p.c.3	D.23 c.2	D.54 d.p.c.22	C.2 q.6 c.41	C.4 d.init.	C.4 d.init.	C.7 d.init.

