```
1: dinner recipe = '''
2:
3:
4:
5:
6:
7:
amt unit
           item
24 slices baguette
2+ tbsp
         olive oil
  cup
         tomatoes
1
   jar
         pesto
1 1 1
8: # In Python 2.5 or from http://effbot.org/zone/element-index.htm
9: import xml.etree.ElementTree as etree
10: tree = etree.fromstring(dinner recipe)
11: # For invalid HTML use http://effbot.org/zone/element-soup.htm
12: # import ElementSoup, StringIO
13: # tree = ElementSoup.parse(StringIO.StringIO(dinner recipe))
14: pantry = set(['olive oil', 'pesto'])
15: for ingredient in tree.getiterator('tr'):
        amt, unit, item = ingredient
16:
17:
        if item.tag == "td" and item.text not in pantry:
            print "%s: %s %s" % (item.text, amt.text, unit.text)
18:
```

```
7
              0 LOAD CONST
                                           0 ('\n\n\n\n\n
amt unit
           item
24 slices baguette
2+ tbsp olive oil
   cup
         tomatoes
1
   jar
         pesto
')
                                           0 (dinner recipe)
              3 STORE NAME
              6 LOAD CONST
                                           1 (-1)
10
              9 LOAD CONST
                                           2 (None)
             12 IMPORT NAME
                                           1 (xml.etree.ElementTree)
             15 LOAD ATTR
                                           2 (etree)
             18 LOAD ATTR
                                           3 (ElementTree)
                                           2 (etree)
             21 STORE NAME
11
             24 LOAD NAME
                                           2 (etree)
                                           4 (fromstring)
             27 LOAD ATTR
             30 LOAD NAME
                                           0 (dinner recipe)
             33 CALL FUNCTION
                                           1
             36 STORE NAME
                                           5 (tree)
             39 LOAD NAME
                                           6 (set)
17
             42 LOAD CONST
                                           3 ('olive oil')
                                           4 ('pesto')
             45 LOAD CONST
                                           2
             48 BUILD LIST
             51 CALL FUNCTION
```

```
54 STORE_NAME
                                   7 (pantry)
98 (to 158)
18
           57 SETUP LOOP
           60 LOAD_NAME
                                     5 (tree)
           63 LOAD_ATTR
                                     8 (getiterator)
           66 LOAD_CONST
                                     5 ('tr')
           69 CALL FUNCTION
                                      1
           72 GET ITER
           73 FOR ITER
                                   81 (to 157)
                                     9 (ingredient)
           76 STORE NAME
           79 LOAD_NAME
                                     9 (ingredient)
19
                                      3
           82 UNPACK SEQUENCE
           85 STORE NAME
                                     10 (amt)
                                    11 (unit)
12 (item)
           88 STORE NAME
           91 STORE NAME
          94 LOAD_NAME
20
                                    12 (item)
          97 LOAD ATTR
                                    13 (tag)
                                     6 ('td')
          100 LOAD CONST
          103 COMPARE_OP
                                     2 (==)
                                    73
          106 POP_JUMP_IF_FALSE
          109 LOAD NAME
                                     12 (item)
          112 LOAD ATTR
                                     14 (text)
                                     7 (pantry)
          115 LOAD NAME
          118 COMPARE_OP
                                     7 (not in)
          121 POP_JUMP_IF_FALSE
                                    73
          124 LOAD_CONST
127 LOAD NAME
                                      7 ('%s: %s %s')
21
          127 LOAD NAME
                                    12 (item)
                                    14 (text)
10 (amt)
          130 LOAD ATTR
          133 LOAD NAME
          136 LOAD_ATTR
                                    14 (text)
                                    11 (unit)
          139 LOAD NAME
                                    14 (text)
          142 LOAD ATTR
          145 BUILD TUPLE
                                      3
          148 BINARY MODULO
          149 PRINT_ITEM
          150 PRINT NEWLINE
          151 JUMP ABSOLUTE
                                     73
          154 JUMP ABSOLUTE
                                     73
      >> 157 POP_BLOCK
      >> 158 LOAD CONST
                                     2 (None)
          161 RETURN VALUE
```