```
#!/usr/bin/env python
#                                       -*- Mode: Python -*-

R"""dodist distributes the given message to a list of receivers
```

Usage: dodist [-h host] msg rec

dodist distributes the message given in file msg to a list of receivers in file rec using sendmail. msg is a standard email message (rfc822) with headers and body. It should contain all necessary headers including a valid "From:" line. The header should not include a "To:" (or "Cc:" or "Bcc:") line. rec is a file with one valid email address on each line. The optional host argument (-h) sets the location of your sendmail (default "localhost").

(C) Copyright Anders Andersen 2000 (see COPYING for details).

```
"""

# Use arguments and sendmail
import sys, getopt, smtplib, rfc822

# Parse arguments
opts, args = getopt.getopt(sys.argv[1:], "h:")

# Test number of arguments
if len(args) != 2:
    print "dodist: Needs two arguments.\n"
    print __doc__,
    sys.exit(1)

# Open files
try:
    msg = open(args[0])
except IOError:
    print "dodist: Unable to open msg file %s.\n" % (args[0],)
    print __doc__,
    sys.exit(1)
try:
    rec = open(args[1])
except IOError:
    print "dodist: Unable to open rec file %s.\n" % (args[1],)
    print __doc__,
    sys.exit(1)

# Read header
try:
    sender = rfc822.Message(msg)['from']
except:
    print "dodist: Unable to get 'From:' from %s.\n" % (args[0],)
    print __doc__,
    sys.exit(1)

# Body
try:
    msg.seek(0)
    body = msg.read()
except IOError:
    print "dodist: Unable to read msg file %s.\n" % (args[0],)
    print __doc__,
    sys.exit(1)

# Selct host (with sendmail)
host = "localhost"
```

```
for (hflag, hhost) in opts:
    host = hhost

# Connect to host
try:
    server = smtplib.SMTP(host)
except socket.error:
    print "dodist: Unable to connect to %s.\n" % (host,)
    print __doc__,
    sys.exit(1)

# Send an email to each address in rec
for addr in rec.readlines():
    to = "To: %s" % (addr,)
    try:
        err = server.sendmail(sender, [addr[:-1]], to + body)
    except:
        print "Problem with", addr[:-1]
    if err:
        for t in err.keys():
            print "Rejected", t, `err[t]`

server.quit()
```