import random   
import pprint   
  
chessboard = [   
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[' ',' ',' ',' ',' ',' ',' ',' ',],   
[' ',' ',' ',' ',' ',' ',' ',' ',],   
]   
  
def putqueen(pos):   
global chessboard   
i,j = pos   
delta = i-j   
if chessboard[i][j] != ' ': return False   
for m in range(8):   
if chessboard[m][j] == ' ': chessboard[m][j] = 'x'   
if chessboard[i][m] == ' ': chessboard[i][m] = 'x'   
if 0 <= m+i-j < 8 and chessboard[m+i-j][m] == ' ': chessboard[m+i-j][m] = 'x'   
if 0 <= i+j-m < 8 and chessboard[m][i+j-m] == ' ': chessboard[m][i+j-m] = 'x'   
chessboard[i][j] = 'O'   
print pos   
return True   
  
def getRandPos():   
return random.randint(0,7), random.randint(0,7)   
  
def show():   
global chessboard   
print '\n'.join([' '.join(r) for r in chessboard])   
  
  
putqueen(getRandPos())   
while True:   
if putqueen(getRandPos()):   
break   
while True:   
if putqueen(getRandPos()):   
break   
while True:   
if putqueen(getRandPos()):   
break   
  
show()