#Generate n by n word puzzle

import random

wordlist = ["PNEUMONOULTRAMICROSCOPICSILICOVOLCANOCONIOSIS"]

letterlist = ["A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z"]

def generate(n):

h = False

wordindex = 0

o = 0

for j in range(0, n):

li = []

for i in list(range(0, n)):

if i == 1: h = True

else: h = False

if h != True:

li.append((letterlist[int(random.uniform(0, (len(letterlist) - 1)))]))

if h == True:

li.append (wordlist[wordindex][o])

o += 1

print (str(''.join(li)))

generate (45)