import itertools

s = []

for i in range(3):

s.extend(list(map(int, input().split(" "))))

min\_cost = 1000

best = None

def is\_magic(s):

for i in range(3):

if sum(s[i\*3:i\*3+3]) != 15:

return False

if sum(s[i::3]) != 15:

return False

if s[0] + s[4] + s[8] != 15:

return False

if s[2] + s[4] + s[6] != 15:

return False

return True

best = None

for p in itertools.permutations(range(1,10)):

cost = sum([abs(p[i] - s[i]) for i in range(len(s))])

if cost < min\_cost and is\_magic(p):

min\_cost = cost

best = p

print(min\_cost)