def main():

n = int(input())

student\_marks = {}

for \_ in range(n):

line = input().split()

name, scores = line[0], line[1:]

scores = map(float, scores)

student\_marks[name] = scores

query\_name =input()

marks=0

for i in student\_marks[query\_name]:

marks=marks+i

avg=marks/3

print("%.2f"%avg)

main()