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for firstpick1 in range(1,21):
    firstpickonly=0
    secondpicktoo=0
    for firstpick2 in range(1,21):
        for secondpick1 in range(1,21):
            for secondpick2 in range(1,21):
                for thirdpick1 in range(1,21):
                    for thirdpick2 in range(1,21):
                        #check number of wins for no second pick
                        if secondpick1<firstpick1 and thirdpick1<firstpick1:
                            if firstpick1>(secondpick1+secondpick2) and
firstpick1>(thirdpick1+thirdpick2):
                                firstpickonly+=1
                                elif firstpick1>(secondpick1+secondpick2) and
(thirdpick1+thirdpick2)>20:
                                    firstpickonly+=1
                                    elif (secondpick1+secondpick2)>20 and
firstpick1>(thirdpick1+thirdpick2):
                                        firstpickonly+=1
                                        elif (secondpick1+secondpick2)>20 and
(thirdpick1+thirdpick2)>20:
                                            firstpickonly+=1
                                            if firstpick1+firstpick2==secondpick1+secondpick2 or
firstpick1+firstpick2==thirdpick1+thirdpick2:
                                                firstpickonly+=0.5
                                                #check number of wins for second pick
                                                if firstpick1+firstpick2<=20:
                                                    if (firstpick1+firstpick2)>(secondpick1+secondpick2) and
(firstpick1+firstpick2)>(thirdpick1+thirdpick2):
                                                        secondpicktoo+=1
                                                        elif (firstpick1+firstpick2)>(secondpick1+secondpick2) and
thirdpick1+thirdpick2>20:
                                                            secondpicktoo+=1
                                                            elif (secondpick1+secondpick2)>20 and
(firstpick1+firstpick2)>(thirdpick1+thirdpick2):
                                                                secondpicktoo+=1
                                                                elif (secondpick1+secondpick2)>20 and
(thirdpick1+thirdpick2)>20:
                                                                    secondpicktoo+=1
                                                                    if firstpick1+firstpick2==secondpick1+secondpick2 or
firstpick1+firstpick2==thirdpick1+thirdpick2:
                                                                        secondpicktoo+=0.5
                                                                        print(str(firstpickonly)+' ',''+str(secondpicktoo))

```

See graph below

