```
def tr nearest prev(agent array, tr num,a,gamma):
c i j = np.zeros((len(agent array)-1, len(agent array)-1))
#print(c i j)
people = copy.copy(agent_array)
current = 1
while current <= tr num:</pre>
    i, j = random.sample(range(0, len(agent array)-1),2)
    #print(i,j)
    m i = people[i]
    m j = people[j]
    #print(m i,m j)
    total m = m i + m j
    diff = m_i-m j
    if diff==0:
        diff = 1
    abs diff = abs(diff)
    prob = 1/(abs \ diff**(a))*(c \ i \ j[i][j]+1)**gamma
    user set = random.uniform(0,1)
    current += 1
    c i j[i][j]+=1
    c i j[j][i]+=1
    #print(prob)
    if prob>=user set:
        epsilon = random.uniform(0,1)
        if people[i]>0 and people[j]>0:
            people[i] = epsilon*total m
            people[j] = (1-epsilon)*total m
        else:
            continue
    else:
        continue
#print(total money begin, total money end)
return people
```