```
def tr nearest(agent array, tr num,a):
people = copy.copy(agent array)
current = 1
while current <= tr num:
    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))
    user set = random.uniform(0,1)
    #print(prob)
    current += 1
    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
```