```
while True: #Покоординатный спуск
 2
         iDelta = 0
3
         while iDelta < ordinateCount:</pre>
4
             ww = calcCutoffDistance(classesCount, instancesMax, ordinateCount,
5
                 Target, Opposite, vectorWeightsCurr, argClasses)
 6
             countCutOffPrev = ww[0]
7
             distanceCutOffPrev = ww[1]
8
             deltaMultiPrev = 0
9
             weightsOld = vectorWeightsCurr[iDelta] #Проверка направления спуска
             deltaMultiCurr = calcDescentDirection(classesCount, instancesMax,
10
11
             ordinateCount, Target, Opposite, vectorWeightsCurr, argClasses)
12
             while True:
13
                 deltaMultiCurr = deltaMultiCurr * 2
                 vectorWeightsCurr[iDelta]=weightsOld+deltaMultiCurr+deltaMultiPrev
14
15
                 ww=calcCutoffDistance(classesCount,instancesMax,ordinateCount,Target,
                 Opposite, vectorWeightsCurr, argClasses)
16
                 countCutOffCurr = ww[0]
17
                 distanceCutOffCurr = ww[1]
18
                 if countCutOffCurr > countCutOffPrev:
19
                     countCutOffPrev = countCutOffCurr
20
                     distanceCutOffPrev = distanceCutOffCurr
21
                     deltaMultiPrev += deltaMultiCurr
22
                     deltaMultiCurr=calcDescentDirection(classesCount,instancesMax,
                     ordinateCount, Target, Opposite, vectorWeightsCurr, argClasses)
23
                 elif countCutOffCurr < countCutOffPrev:</pre>
24
                     deltaCutoffDistance[0][iDelta] = vectorWeightsCurr[iDelta] -
                     deltaMultiCurr - weightsOld
25
                     deltaCutoffDistance[1][iDelta] = countCutOffPrev
26
                     vectorWeightsCurr[iDelta] = weightsOld
27
                     break
28
                 elif distanceCutOffCurr > distanceCutOffPrev:
29
                     deltaCutoffDistance[0][iDelta] = vectorWeightsCurr[iDelta] -
                     deltaMultiCurr - weightsOld
30
                     deltaCutoffDistance[1][iDelta] = countCutOffPrev
31
                     vectorWeightsCurr[iDelta] = weightsOld
32
                     break
33
                 else:
34
                     countCutOffPrev = countCutOffCurr
35
                     distanceCutOffPrev = distanceCutOffCurr
36
             iDelta += 1
37
         iDelta = 1
38
         maxCutoff = deltaCutoffDistance[1][0]
39
         maxCutoffIndex = 0
40
         while iDelta < ordinateCount:#</pre>
41
             if maxCutoff < deltaCutoffDistance[1][iDelta]:</pre>
42
                 maxCutoff = deltaCutoffDistance[1][iDelta]
43
                 maxCutoffIndex = iDelta
44
             iDelta += 1
45
         iDelta = 0
46
         condCycle = 0
47
         minCutoffDistance = abs(deltaCutoffDistance[0][maxCutoffIndex])
48
         maxCutoffIndex = ordinateCount
49
         while iDelta < ordinateCount:</pre>
50
             condCycle += abs(deltaCutoffDistance[0][iDelta])
51
             if maxCutoff == deltaCutoffDistance[1][iDelta]:
52
                 if minCutoffDistance >= abs(deltaCutoffDistance[0][iDelta]):
53
                     maxCutoffIndex = iDelta
54
             iDelta += 1
55
         vectorWeightsCurr[maxCutoffIndex] += deltaCutoffDistance[0][maxCutoffIndex]
56
         if condCycle == 0:
57
             break
58
    contrastingWeights (classesCount, instancesMax, ordinateCount, Target, Opposite,
59
         vectorWeightsCurr, argClasses)
60
    valueDoorstep = calcBiasDoorstep(classesCount, instancesMax, ordinateCount, Target,
61
         Opposite, vectorWeightsCurr, argClasses)
    print(vectorWeightsCurr)
```