Intermediate code to set a 10*10 matrix to an identity matrix

Find the Basic Blocks and draw the flow graph then apply some optimizations as you prefer.

```
for i from 1 to 10 do

for j from 1 to 10 do

a[i,j] = 0.0;

for i from 1 to 10 do

a[i,i] = 1.0;
```

```
3) t1 = 10 * i
4) t2 = t1 + j
5) t3 = 8 * t2
6) t4 = t3 - 88
7) a[t4] = 0.0
8) j = j + 1
    if j <= 10 goto (3)
10)
    i = i + 1
11)
    if i <= 10 goto (2)
12)
    i = 1
13)
    t5 = i - 1
    t6 = 88 * t5
15)
    a[t6] = 1.0
16) i = i + 1
    if i <= 10 goto (13)
```