
```

clc
clear all
close all

% OPERATIONS ON MATRIX AS DIRECTED
% ID 2017KUCP1009
% Name VIBHOR RAWAL

a=round(255*rand(3,3))

y(2,2)=a(2,2);
for i=1:3
    for j=1:3
        if a(i,j)>a(2,2)
            y(i,j)=1;
        else y(i,j)=0;
        end
    end
end

y(2,2)=a(2,2);
y

c=y(2,3)+ 2*y(1,3) + 4*y(1,2) + 8*y(1,1) + 16*y(2,1) + 32*y(3,1) +
    64*y(3,2) + 128*y(3,3);
y(2,2)=c;
y
a(2,2)=y(2,2)

```

a =

59	173	252
125	101	10
159	94	226

y =

0	1	1
1	101	0
1	0	1

y =

0	1	1
1	182	0
1	0	1

a =

59	173	252
125	182	10
159	94	226

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