

```

one=[1 1 0 1;1 1 0 1;1 1 0 1;1 1 0 1;1 1 0 1;1 1 1 1];
two=[0 0 0 1;1 1 0 1;0 0 0 1;0 1 1 1;0 0 0 1;1 1 1 1];
three=[0 0 0 1;1 1 0 1;0 0 0 1;1 1 0 1;0 0 0 1;1 1 1 1];
four=[0 1 0 1;0 1 0 1;0 1 0 1;0 0 0 0;1 1 0 1;1 1 1 1];
five=[0 0 0 1;0 1 1 1;0 0 0 1;1 1 0 1;0 0 0 1;1 1 1 1];
six=[0 0 0 1;0 1 1 1;0 0 0 1;0 1 0 1;0 0 0 1;1 1 1 1];
seven=[0 0 0 1;1 1 0 1;1 1 0 1;1 1 0 1;1 1 0 1;1 1 1 1];
eight=[0 0 0 1;0 1 0 1;0 0 0 1;0 1 0 1;0 0 0 1;1 1 1 1];
nine=[0 0 0 1;0 1 0 1;0 0 0 1;1 1 0 1;1 1 0 1;1 1 1 1];
zero=[0 0 0 1;0 1 0 1;0 1 0 1;0 1 0 1;0 0 0 1;1 1 1 1];

```

```

A=[0 0 0 1;0 1 0 1;0 0 0 1;0 1 0 1;0 1 0 1;1 1 1 1];
B=[0 0 1 1;0 1 0 1;0 0 1 1;0 1 0 1;0 0 1 1;1 1 1 1];
C=[0 0 0 1;0 1 1 1;0 1 1 1;0 1 1 1;0 0 0 1;1 1 1 1];
D=[0 0 1 1;0 1 0 1;0 1 0 1;0 1 0 1;0 0 1 1;1 1 1 1];
E=[0 0 0 1;0 1 1 1;0 0 0 1;0 1 1 1;0 0 0 1;1 1 1 1];

```

```

empty=[1];
emptyfive=[1;1;1;1;1];
OUT1=[];
f=1;

```

```

day=input('enter 1 for odd day or enter 2 for even day:');

```

```

while 1
    for i=1
        OUT=[];
        plate=input('enter car plate number:','s');
        str = plate;
        num = str2double(regexpi(str,'\d*','match'));
        if day==2 && rem(num,2)==0
            disp('ok');

```

```

        elseif day==1 && rem(num,2)>0
            disp('ok');

```

```

        elseif day==2 && rem(num,2)>0
            disp('violated');

```

```

        IN=str;
        for n=1:size(str,2)

```

```

            if IN(n)=='A'
                OUT=[OUT A];
            elseif IN(n)=='B'
                OUT=[OUT B];

```

```

        elseif IN(n)=='C'
            OUT=[OUT C];
        elseif IN(n)=='D'
            OUT=[OUT D];
        elseif IN(n)=='E'
            OUT=[OUT E];
    elseif IN(n)=='0'
        OUT=[OUT zero];
    elseif IN(n)=='1'
        OUT=[OUT one];
    elseif IN(n)=='2'
        OUT=[OUT two];
    elseif IN(n)=='3'
        OUT=[OUT three];
    elseif IN(n)=='4'
        OUT=[OUT four];
    elseif IN(n)=='5'
        OUT=[OUT five];
    elseif IN(n)=='6'
        OUT=[OUT six];
    elseif IN(n)=='7'
        OUT=[OUT seven];
    elseif IN(n)=='8'
        OUT=[OUT eight];
    elseif IN(n)=='9'
        OUT=[OUT nine];
    end

end

f=f+1;

if size(OUT1,2)>size(OUT,2)
    for p=1:size(OUT1,2)-size(OUT,2)
        OUT=[OUT, empty5];
    end
end

if (size(OUT,2)>size(OUT1,2))
    for p=1:(size(OUT,2)-size(OUT1,2))
        emptymatrix=ones(size(OUT1,1),1);
        OUT1=horzcat(OUT1,emptymatrix);
    end
end

OUT1=vertcat(OUT1,OUT);

```

```
elseif day==1 && rem(num,2)==0
    disp('violated');
```

```
IN=str;
for n=1:size(str,2)
```

```
    if IN(n)=='A'
        OUT=[OUT A];
    elseif IN(n)=='B'
        OUT=[OUT B];
    elseif IN(n)=='C'
        OUT=[OUT C];
    elseif IN(n)=='D'
        OUT=[OUT D];
    elseif IN(n)=='E'
        OUT=[OUT E];
    elseif IN(n)=='0'
        OUT=[OUT zero];
    elseif IN(n)=='1'
        OUT=[OUT one];
    elseif IN(n)=='2'
        OUT=[OUT two];
    elseif IN(n)=='3'
        OUT=[OUT three];
    elseif IN(n)=='4'
        OUT=[OUT four];
    elseif IN(n)=='5'
        OUT=[OUT five];
    elseif IN(n)=='6'
        OUT=[OUT six];
    elseif IN(n)=='7'
        OUT=[OUT seven];
    elseif IN(n)=='8'
        OUT=[OUT eight];
    elseif IN(n)=='9'
        OUT=[OUT nine];
    end
```

```
end
f=f+1;
```

```
if size(OUT1,2)>size(OUT,2)
    for p=1:size(OUT1,2)-size(OUT,2)
        OUT=[OUT, emptyfive];
    end
end
```

```

if (size(OUT,2)>size(OUT1,2))
    for p=1:(size(OUT,2)-size(OUT1,2))
        emptymatrix=ones(size(OUT1,1),1);
        OUT1=horzcat(OUT1,emptymatrix);
    end
end

OUT1=vertcat(OUT1,OUT);

else
    continue;
end

end

resp = input('Do you wish to continue or quit? Y/N: ','s');
if strcmpi(resp,'N')
    break;
elseif strcmpi(resp,'Y')
    str=[];
    continue;
end
end
end
imshow(OUT1);

```