
```
for i = 1:8
    T = int2bit(i,3);
    A = T(1);
    F = T(2);
    O = T(3);
    Out(i,1:4) = [A,F,O,alarmBool(A,F,O)];
end
```

```
function S = alarmBool(A,F,O)
```

```
S = ~A&F | A&(O|F);
```

```
end
```

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