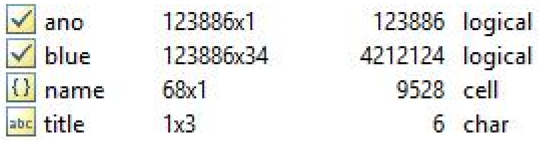
Section 1: Input files

1.”data#.mat

Data#.mat files contain following



☑ ano	123886x1	123886	logical
☑ blue	123886x34	4212124	logical
{} name	68x1	9528	cell
abc title	1x3	6	char

ano : anomaly vector in logical form

blue: the whole logical matric of events with corresponding literal (X and ~X).

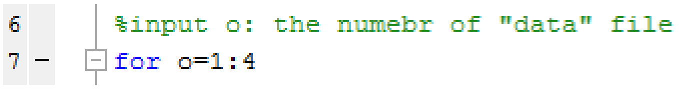
name: the name entity for each literal.

Title: the camera name of the data.

Section 2: How to run.

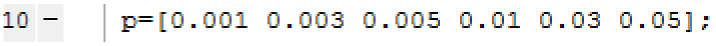
To run the algorithm, just simply call file “sample#.m”

1. Choose the # of DNF
2. Modify the value of o in the sample# file, if you had 4 data files, change it to 4.



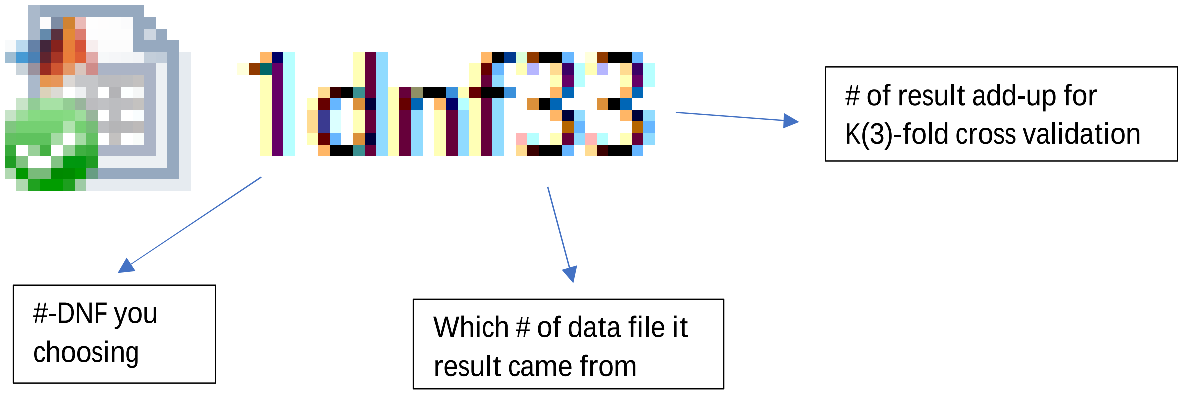
```
%input o: the numebr of "data" file
for o=1:4
```

3. Modify fraction coverage vector for different setting



```
p=[0.001 0.003 0.005 0.01 0.03 0.05];
```

Section 3: Output file



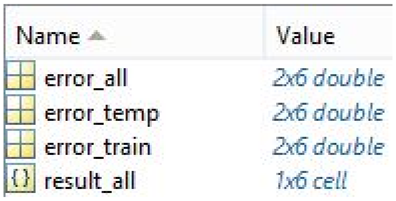
# of result add-up for K(3)-fold cross validation

#-DNF you choosing

Which # of data file it result came from

For our case, we only need the result for the third one.

In the third file (e.g #dnf#3.m)



Name	Value
error_all	2x6 double
error_temp	2x6 double
error_train	2x6 double
result_all	1x6 cell

Error_all: the testing error rate for adding up all the 3 fold testing error together. To obtain the final result, you should divide this result by 3. Since we are using 3-fold cross validation.

Error_train: the training error rate.

Result_all: the choosing literals set for current testing fold result.