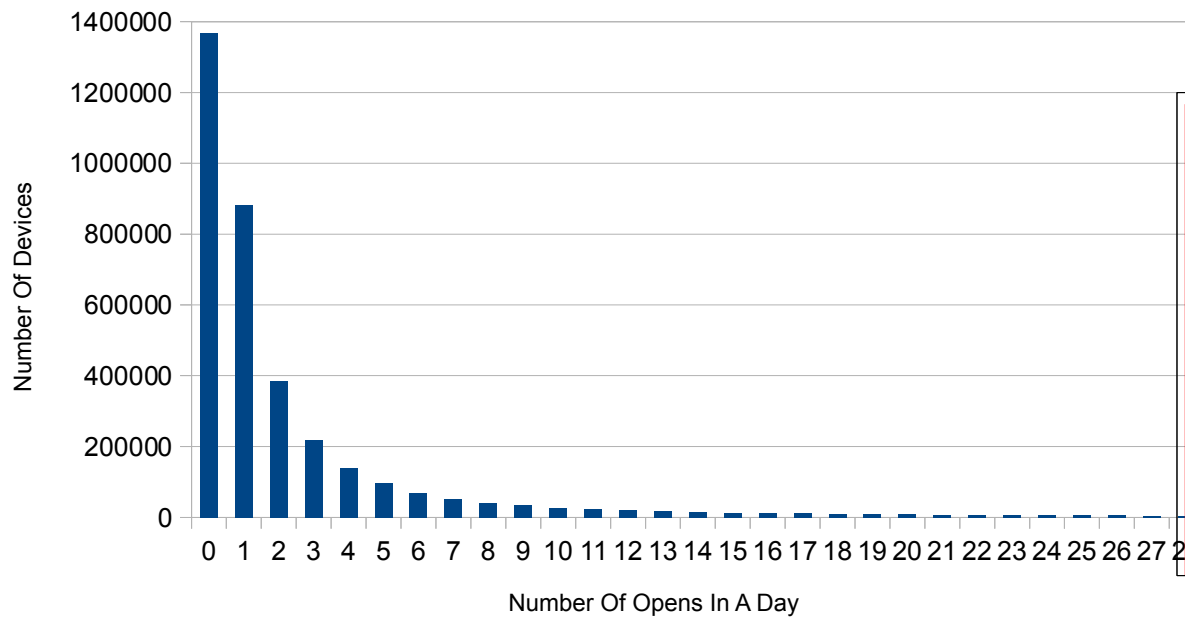
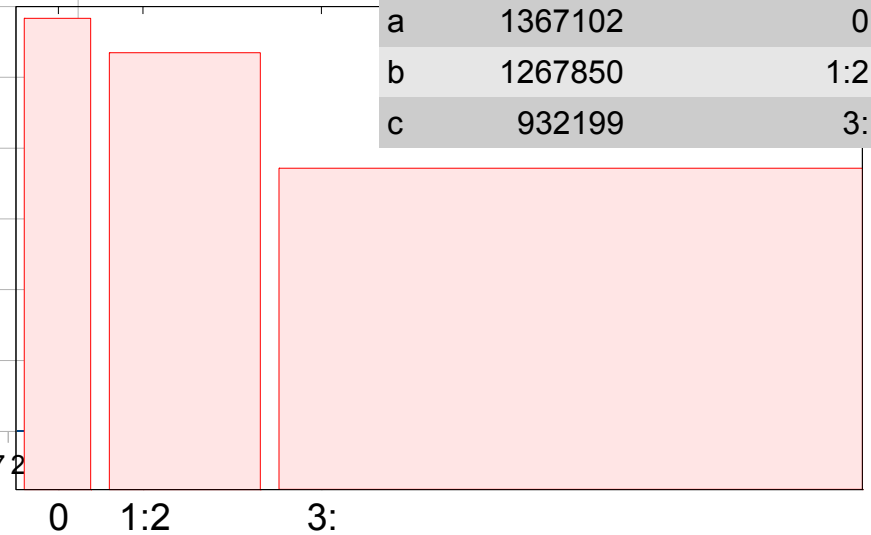


# Binning



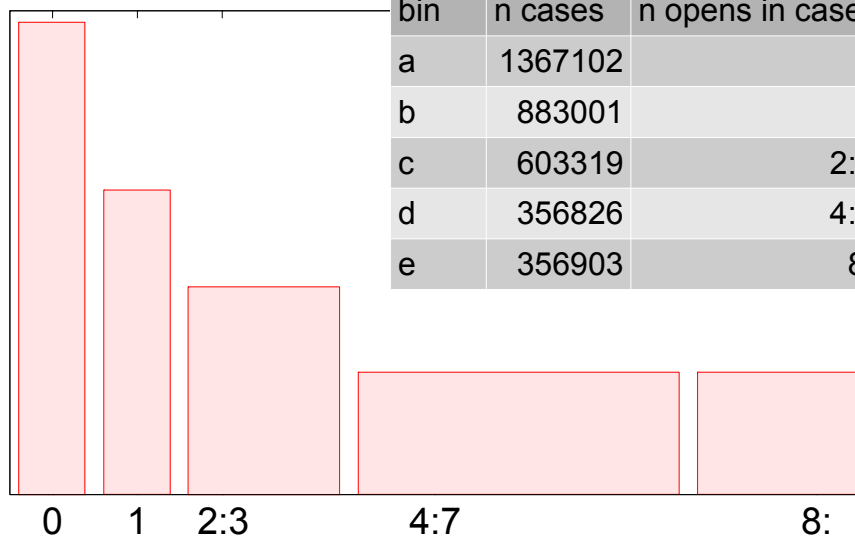
Scheme 3:

bin	n cases	n opens in case
a	1367102	0
b	1267850	1:2
c	932199	3:



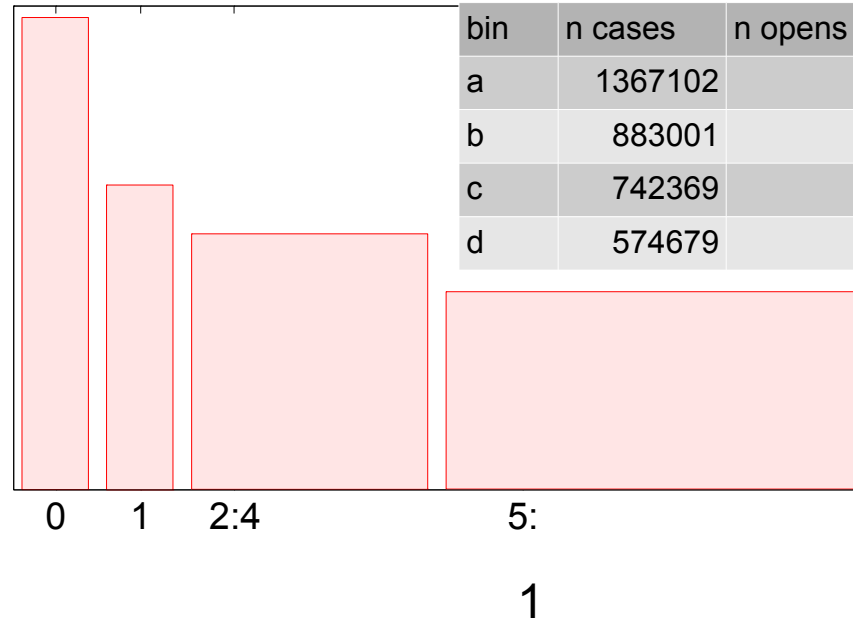
Scheme 1:

bin	n cases	n opens in case
a	1367102	0
b	883001	1
c	603319	2:3
d	356826	4:7
e	356903	8:

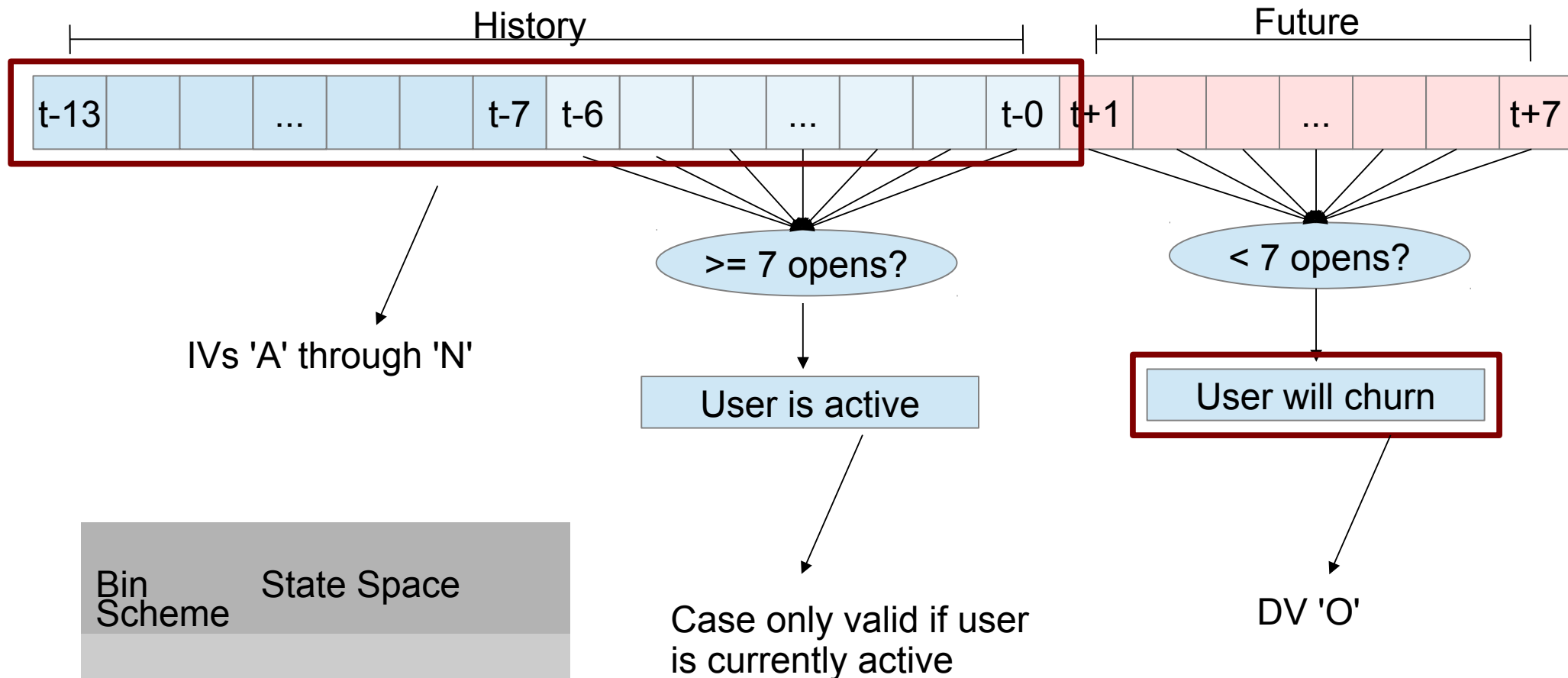


Scheme 2:

bin	n cases	n opens in case
a	1367102	0
b	883001	1
c	742369	2:4
d	574679	5:



# Model Complexities:



Bin Scheme	State Space
1	12,207,000,000
2	536,871,000
3	9 565,940

# Undirected / Exploratory: Neutral Search

- All variables used: ABCDEFGHIJKLMNO
- Search Params: width = 3, depth = 20, searched and sorted by BIC
- All searches started from independence model, up.

Bin Scheme	Model	Depth	dBIC
1	ABCD:BCDE:CDEF:DEFG:EFGH:EGHL:GHIL:HIJ L:IJKL:JKLM:KLMN	36	85110991327.79
2	ABCDE:ACDEF:ACEFG:ACFGH:ACGHM:CGHIM: CHIJM:CIJLM:IJKLM:IKLMN	45	3738856230.36
3	ABCDEH:ACDEFH:ACEFGH:ACEGHIM:ACEHIJM :AEIJLM:AIJKLM:AJKLMN	34	65160903.60