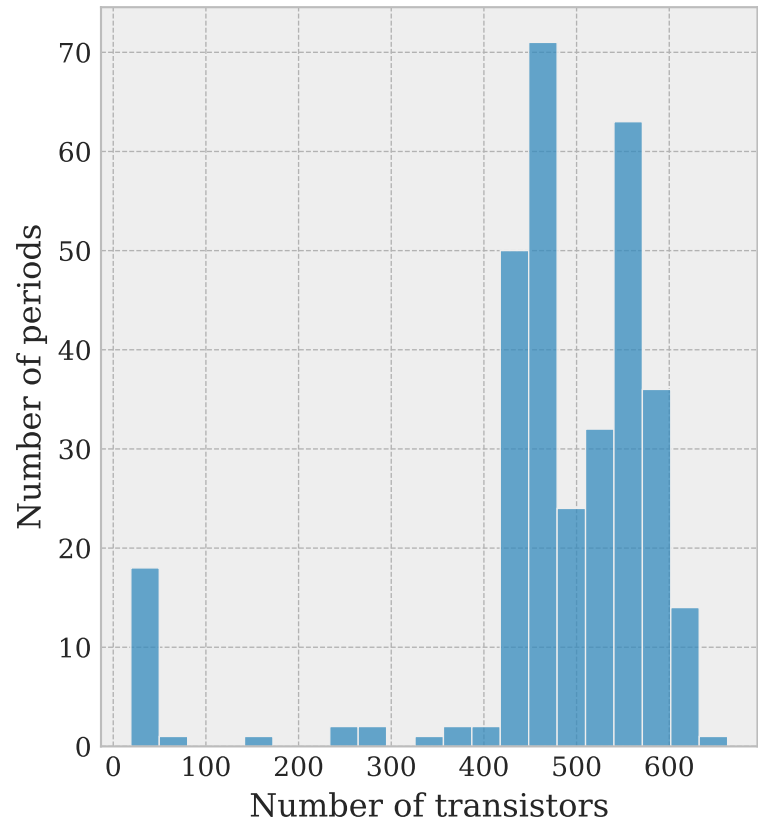
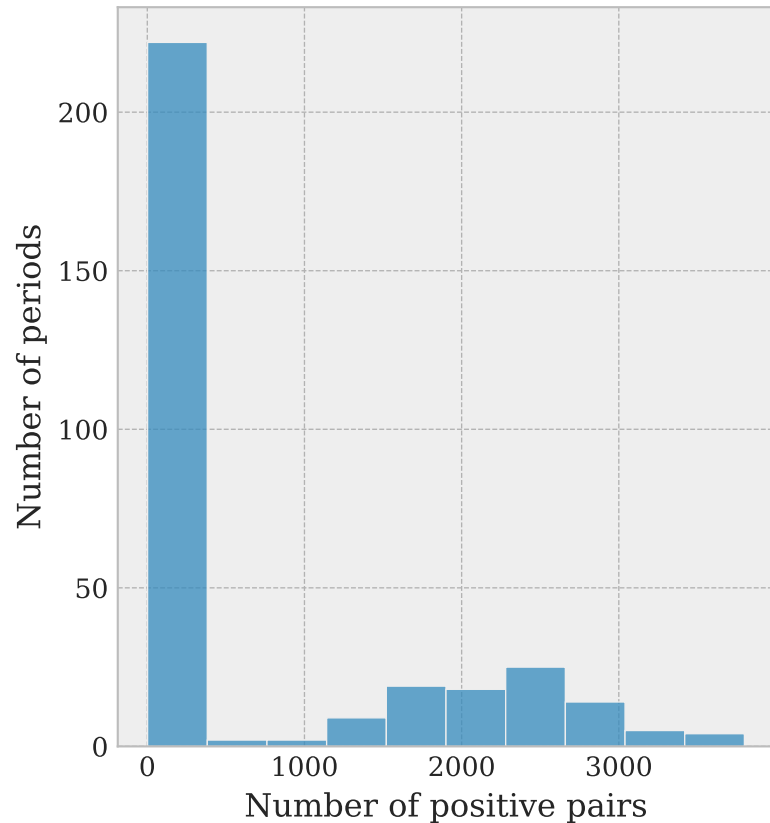


Hist plot of number of transistors
in each periods after removing duplicates



Hist plot of number of positive pairs
in each periods



Causal graph(Number of positive pairs)
change in different periods

