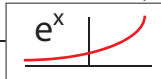


intrinsic quality



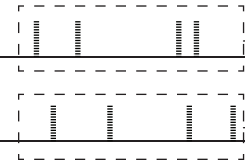
exponential
non-linearity



probabilistic
spiking



prediction



level- k rating history

time → level- k' rating history