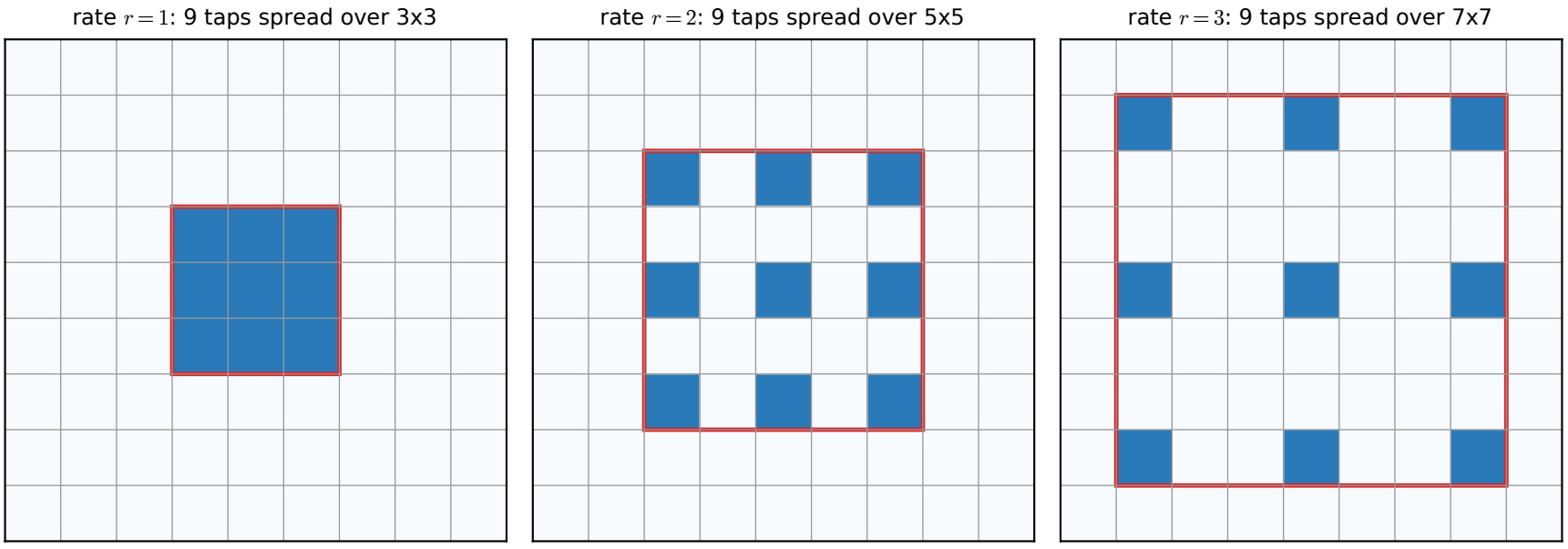

rate $r = 1$: 9 taps spread over 3x3
rate $r = 2$: 9 taps spread over 5x5
rate $r = 3$: 9 taps spread over 7x7