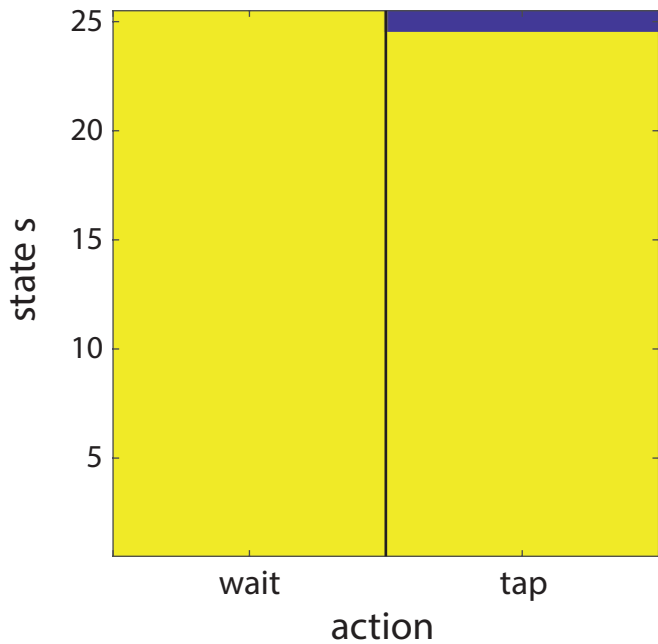


observation matrices

o = null



o = tone

