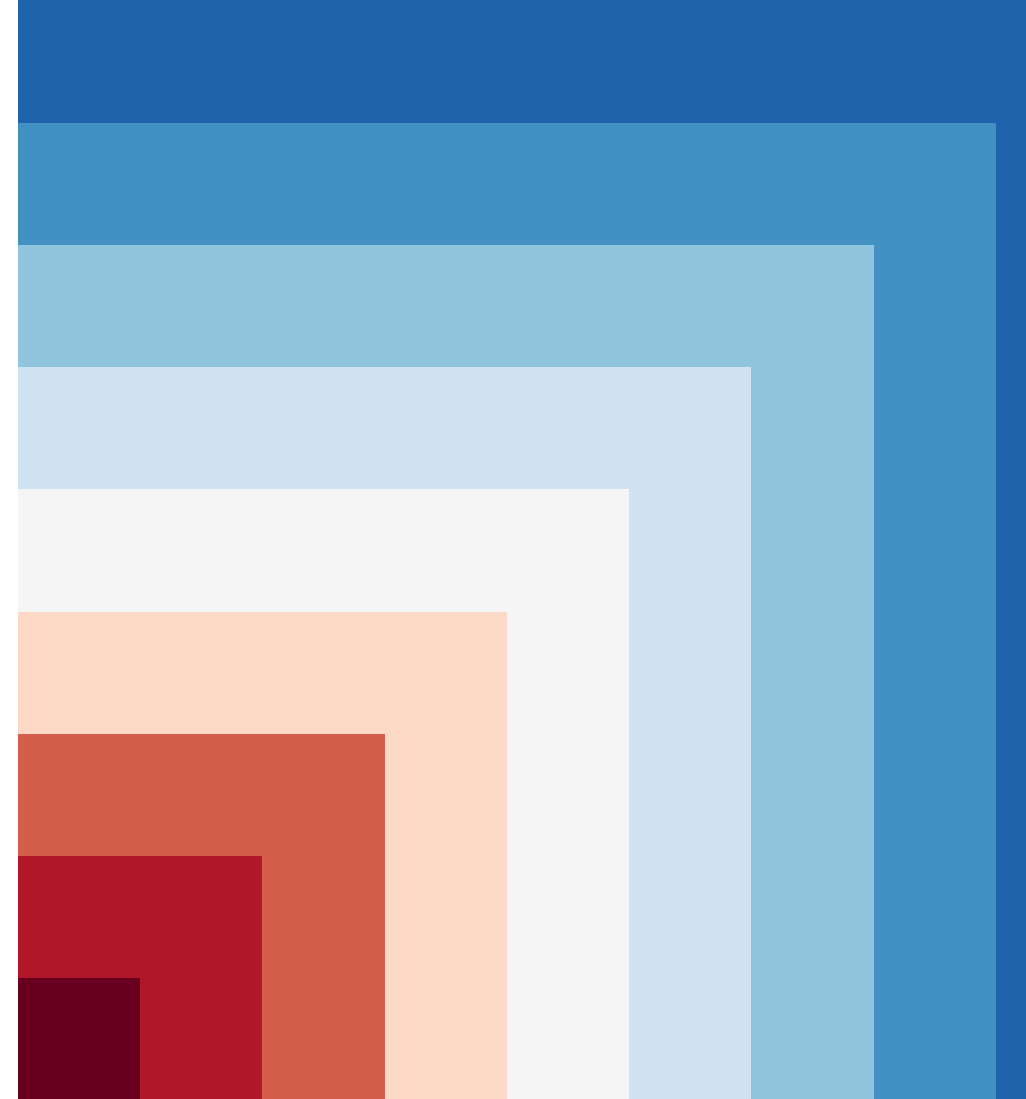
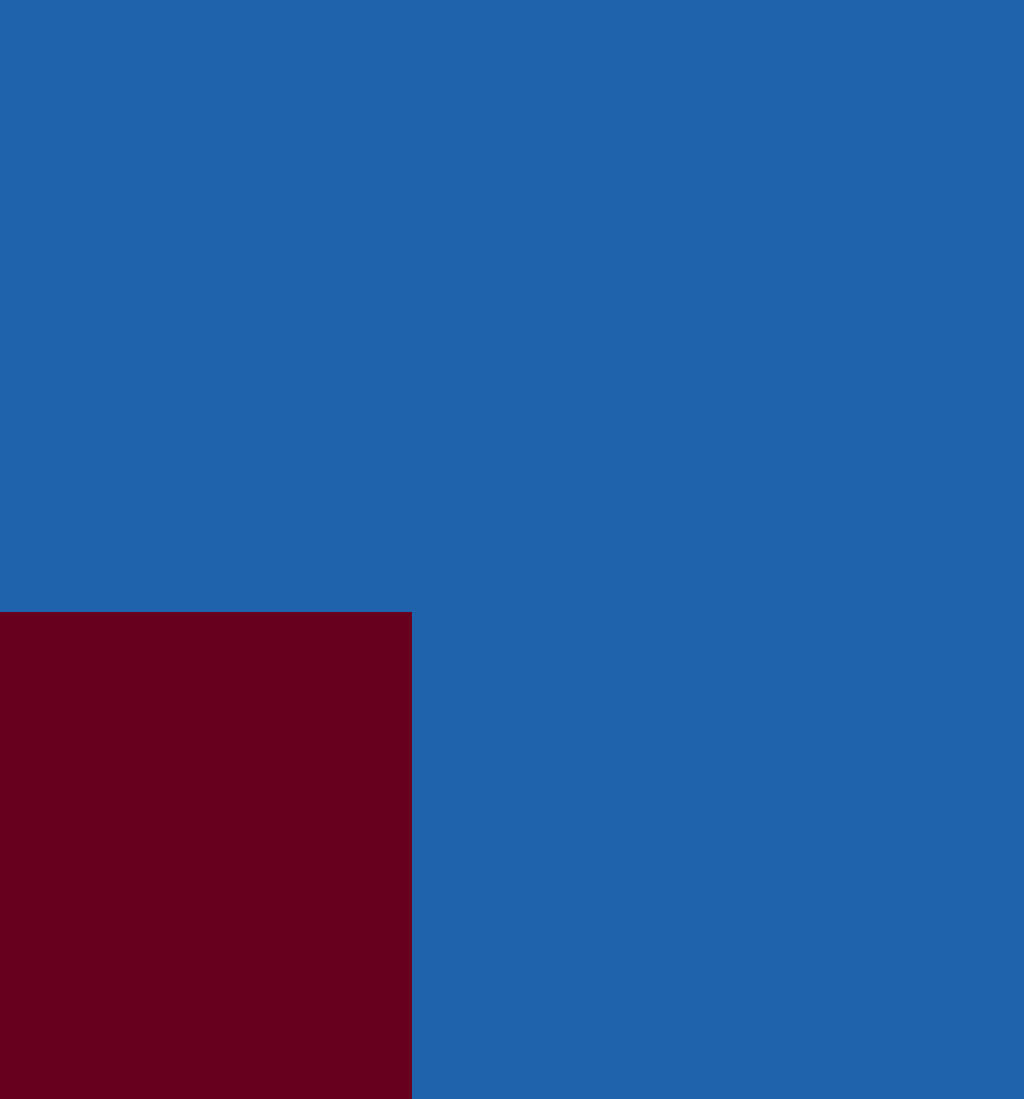


ex) $\Theta =$ , $\text{sgn}(\Theta) =$  $\implies \text{rank}(\Theta) = d, \text{srnk}(\Theta) = 2.$