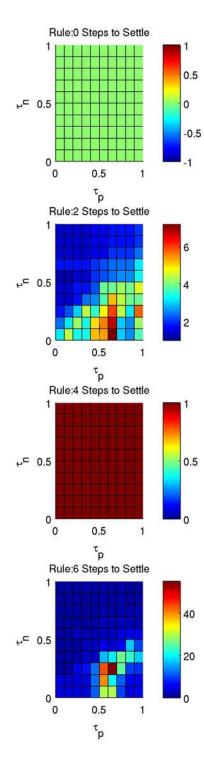
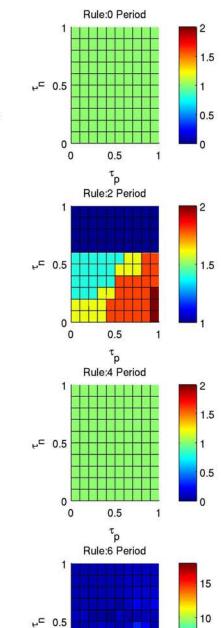
Supplemental Material 2

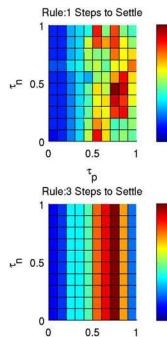
Colormaps show the number of steps to settle and the period length once settled for all rules 0 to 255. The values of τ_p and τ_n vary across the x- and y-axis, respectively. Each rule was run from 5 different initial configurations, and the results were averaged to produce each figure. Some rules exhibit short settle times and short periods (e.g. rules 0, 51, 196), while others show very long settle times and periods (e.g. 41, 129, 135).

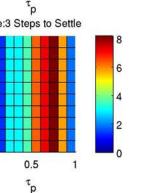


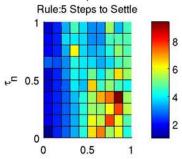


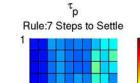
0.5

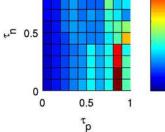
τp

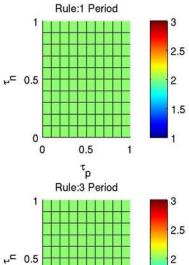


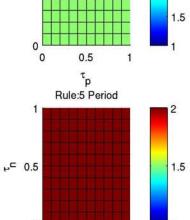


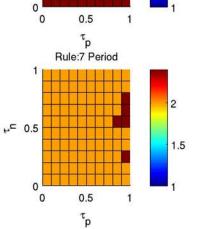


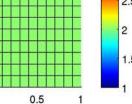


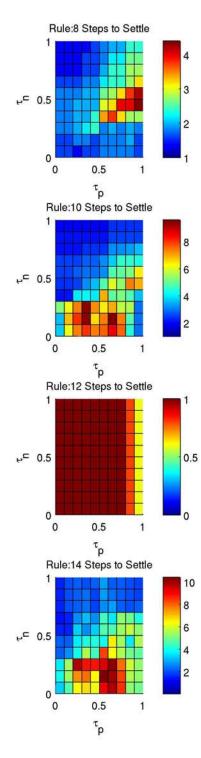


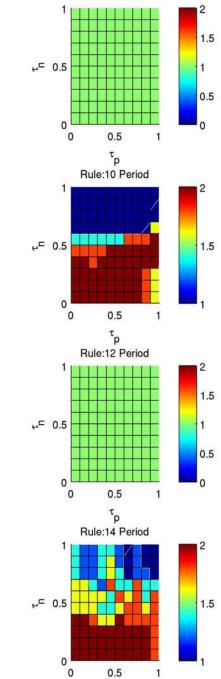






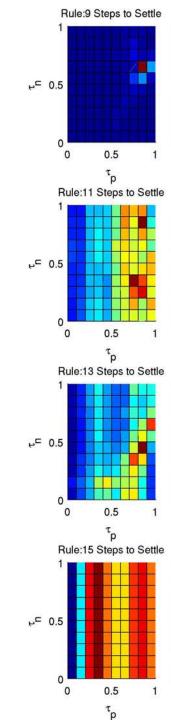


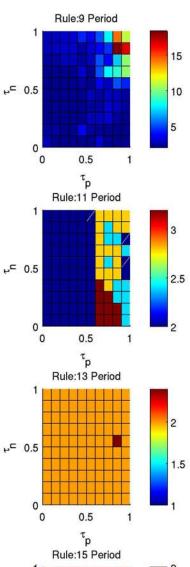


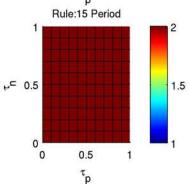


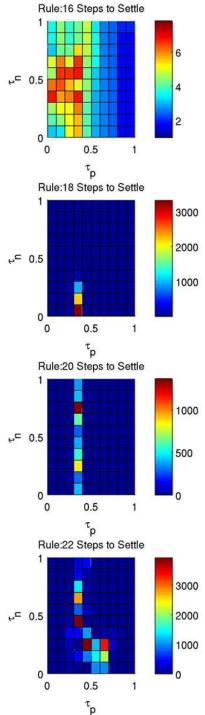
τp

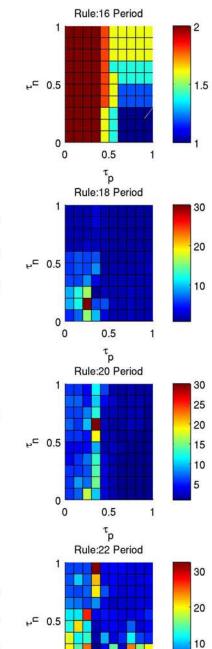
Rule:8 Period









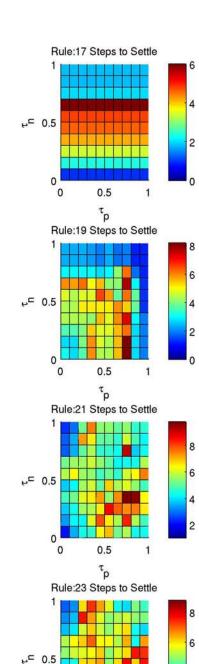


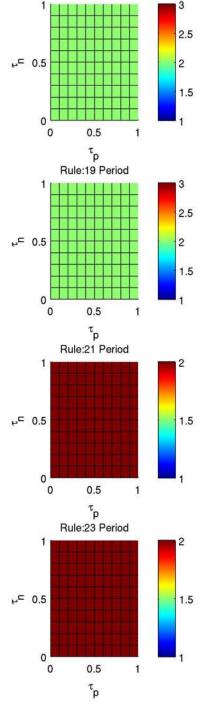
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τp

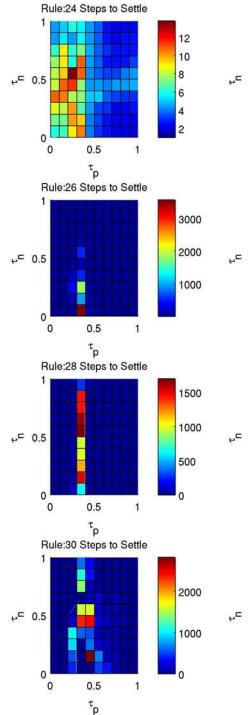
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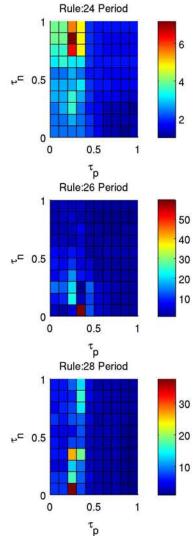
τ_p

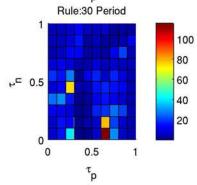


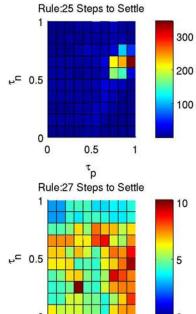


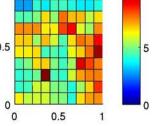
Rule:17 Period

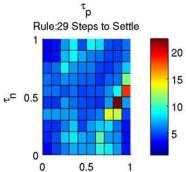




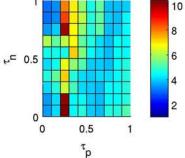


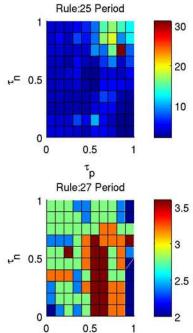


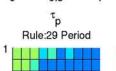


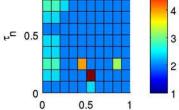


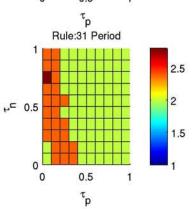


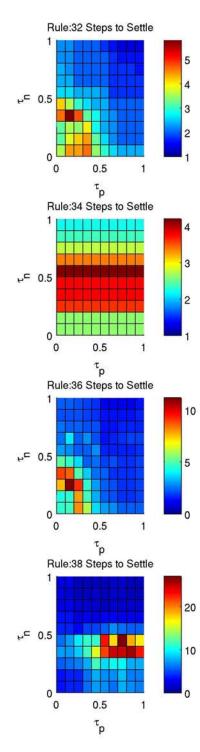


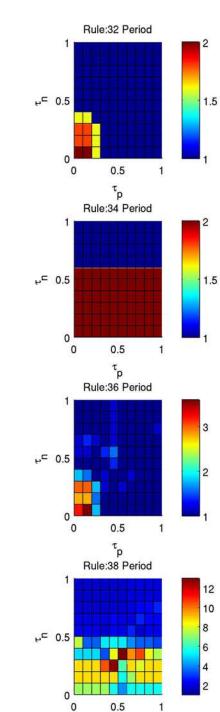




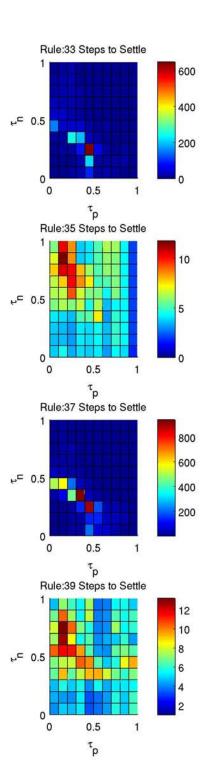


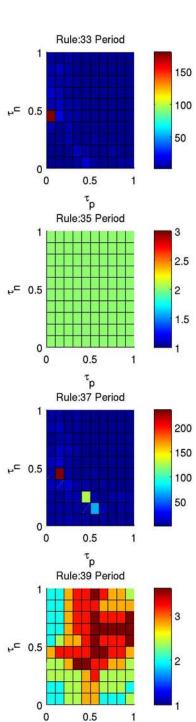




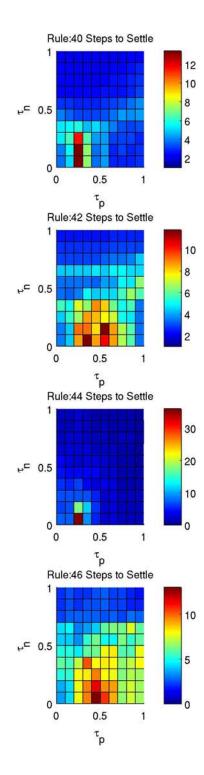


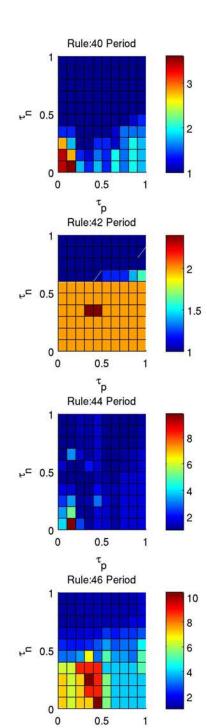
τ_p



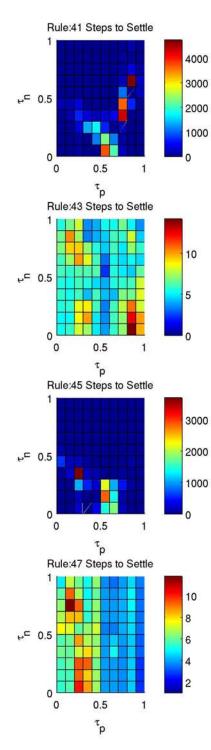


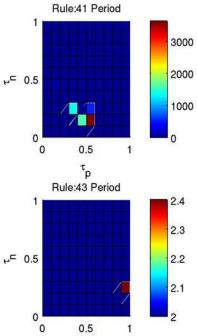
τ_p



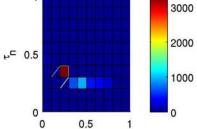


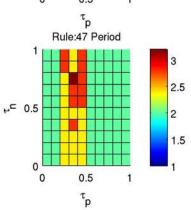
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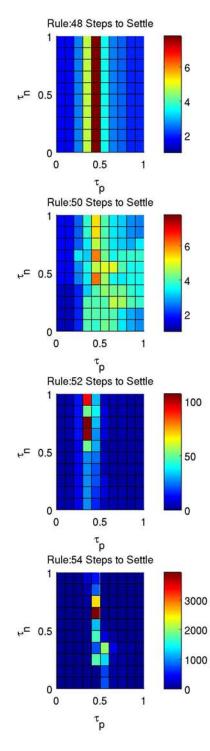


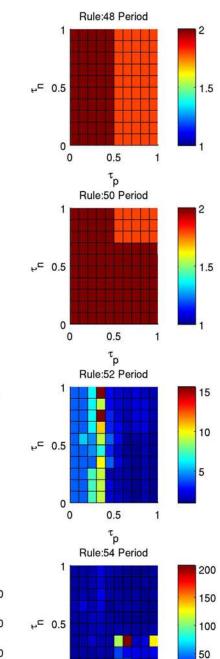






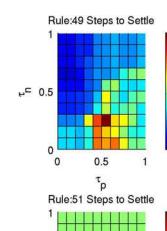


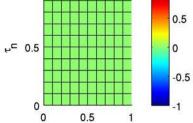


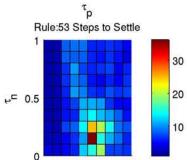


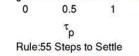
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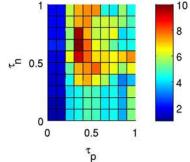
τp

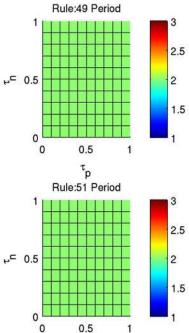




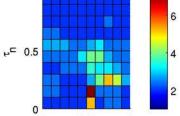


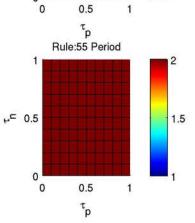


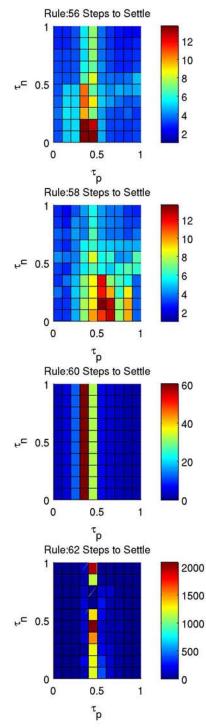


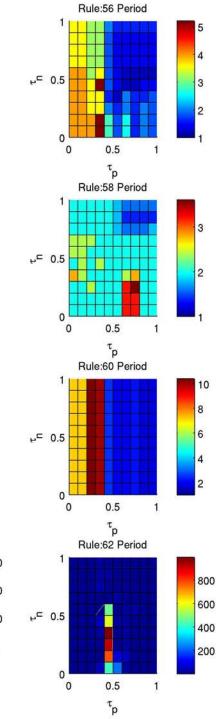


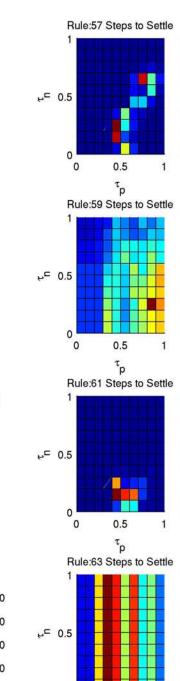






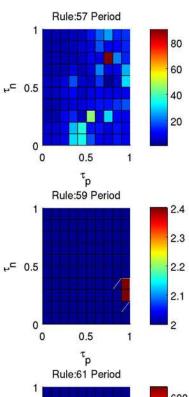


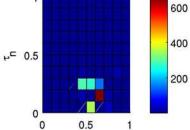


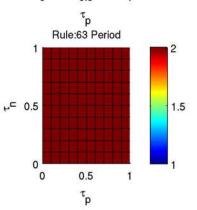


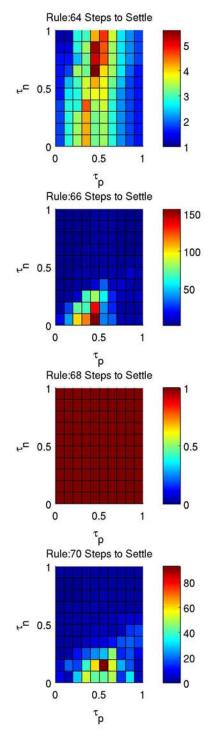
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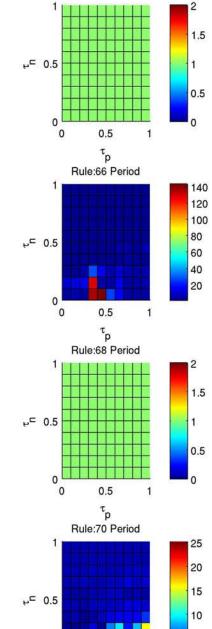
τ_p







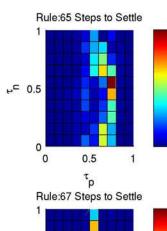


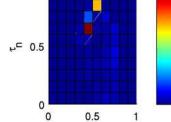


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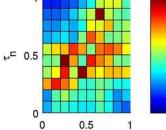
τp

Rule:64 Period

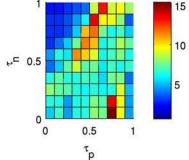


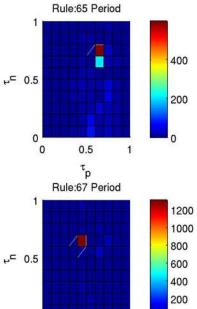


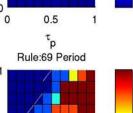


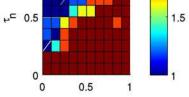


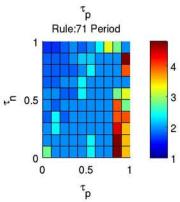


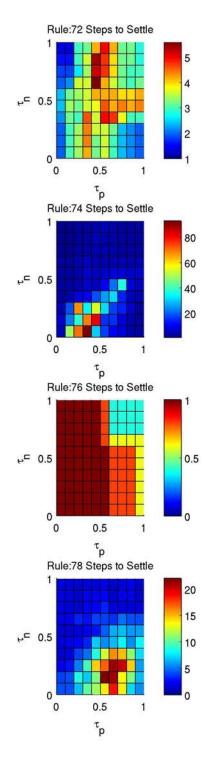


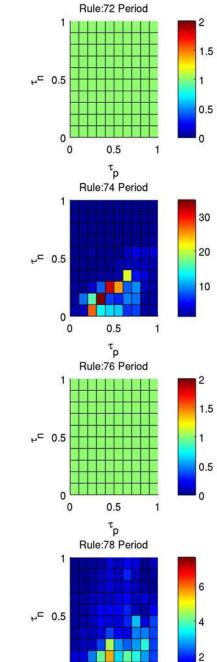






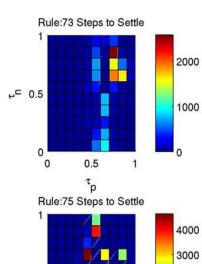


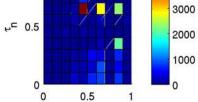


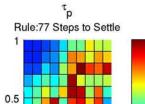


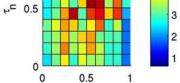
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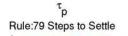
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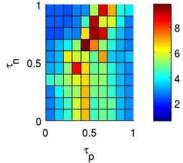


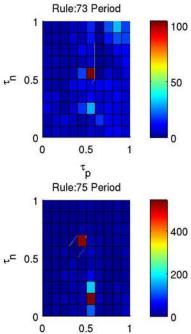


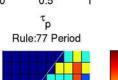


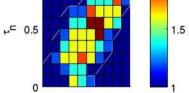


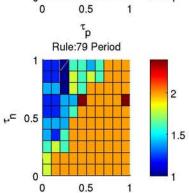




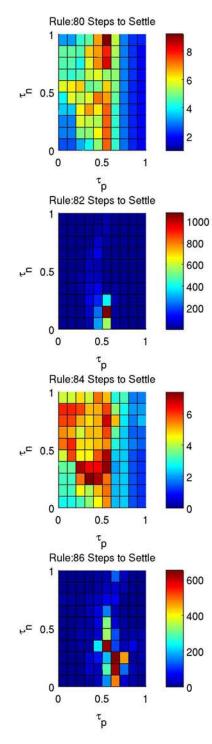


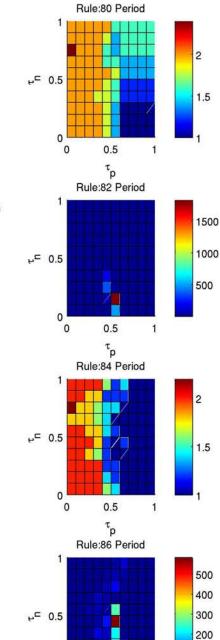






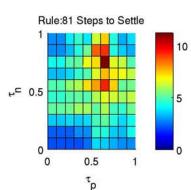
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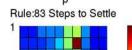


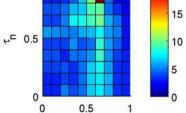


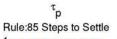
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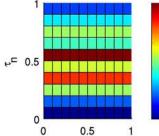
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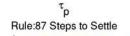


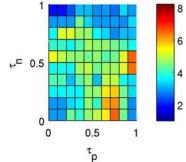


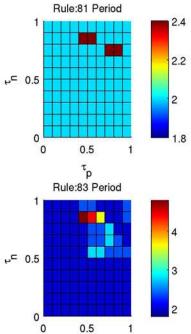


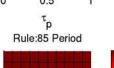


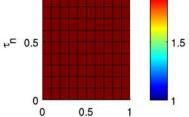


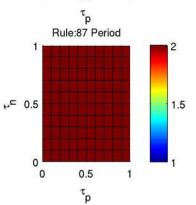


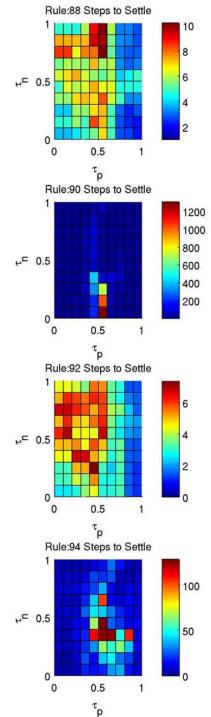


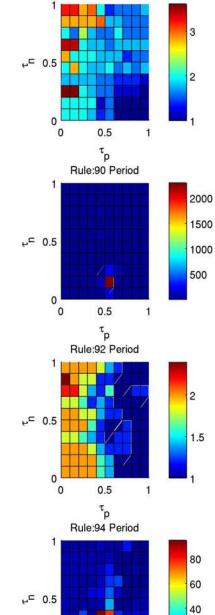








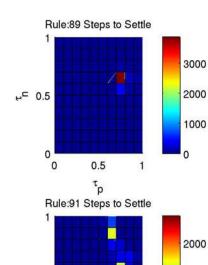


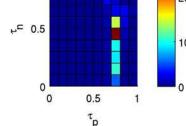


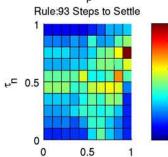
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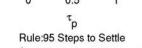
τp

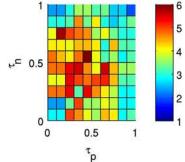
Rule:88 Period

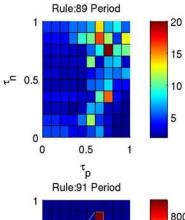


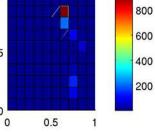




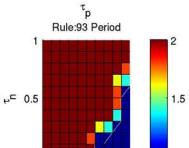


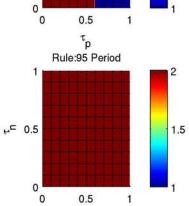




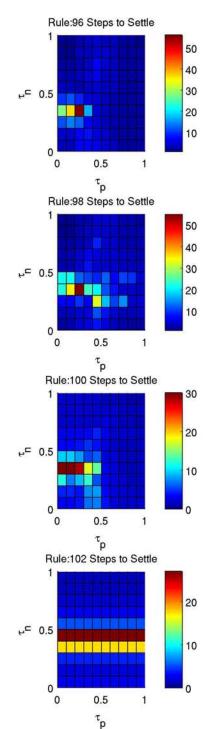


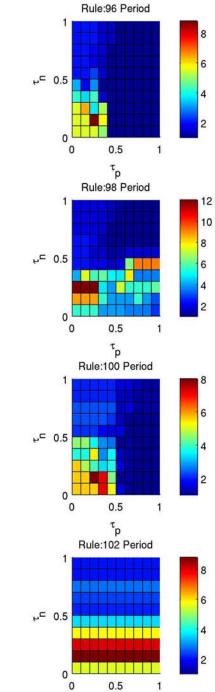
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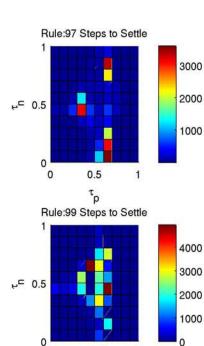


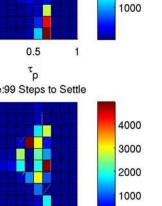
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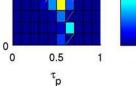


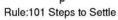


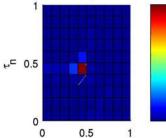
τ_p

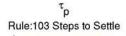


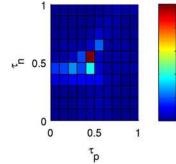


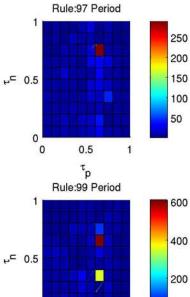


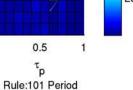


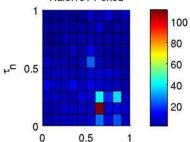


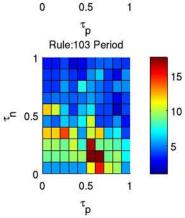


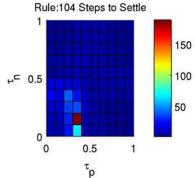


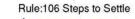


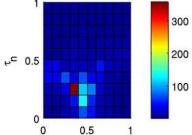




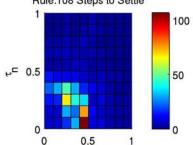


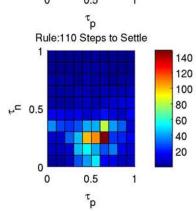


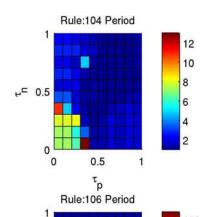




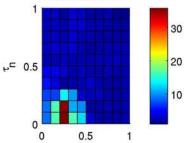




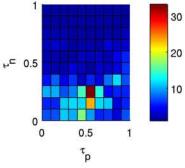




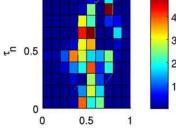
0 0.5 1 ^τp Rule:108 Period



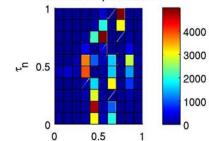
^τp Rule:110 Period



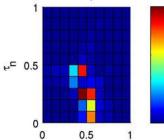




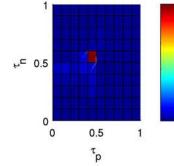
τ_p Rule:107 Steps to Settle

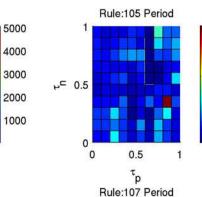


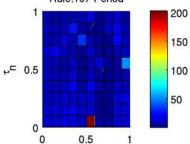
τ_p Rule:109 Steps to Settle



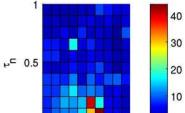
 τ_p Rule:111 Steps to Settle

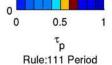


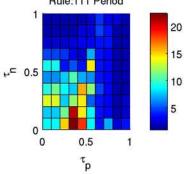


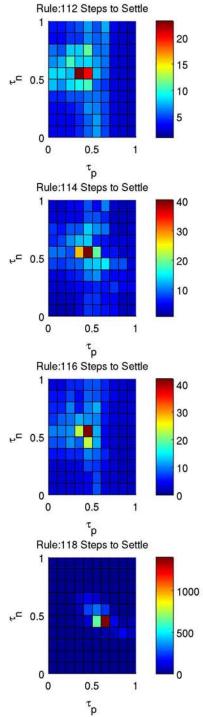


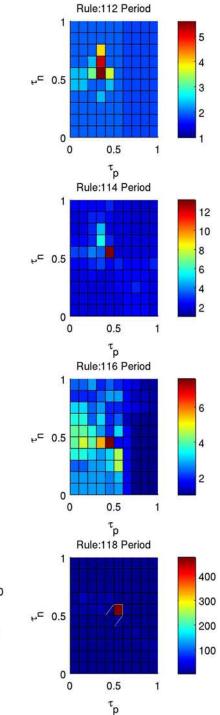


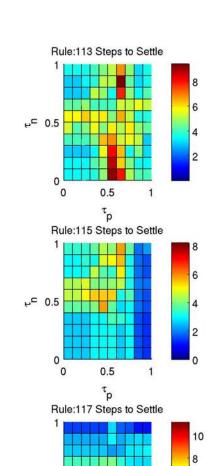












₽ 0.5

ب⊏ 0.5

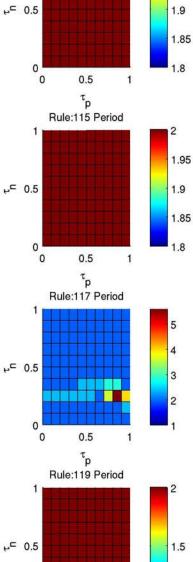
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τp

Rule:119 Steps to Settle

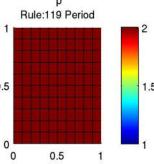
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τ_p

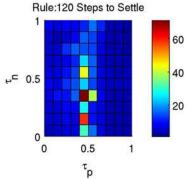


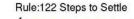
Rule:113 Period

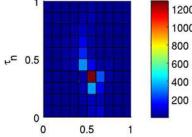
1.95



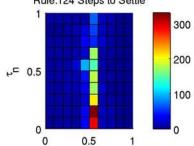
τp

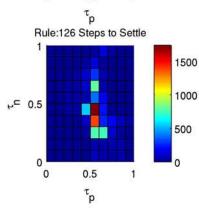


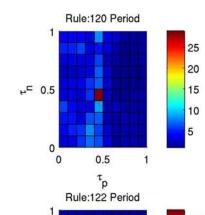


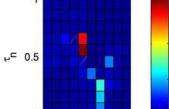


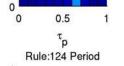
τp Rule:124 Steps to Settle

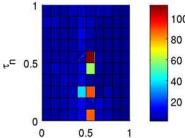


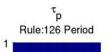


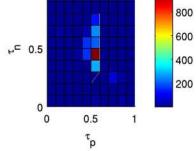


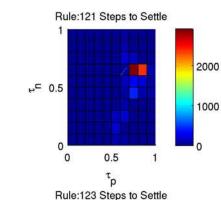


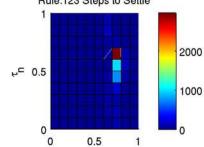


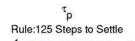


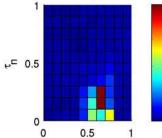




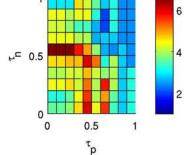


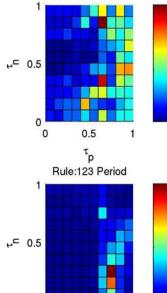




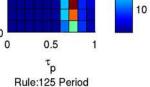


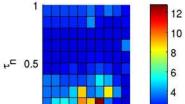


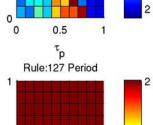


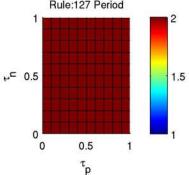


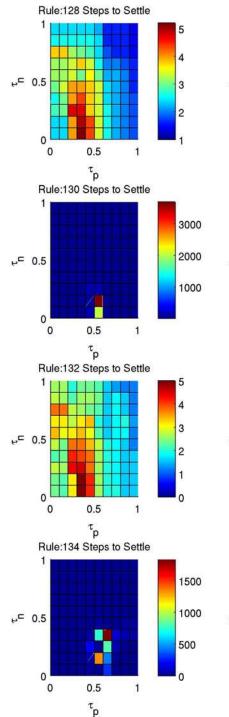
Rule:121 Period

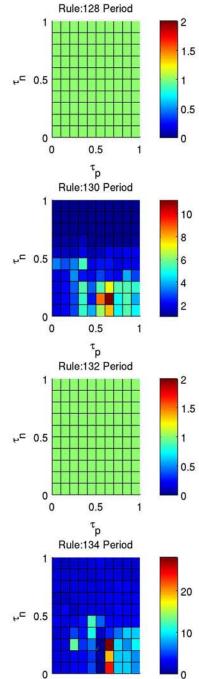






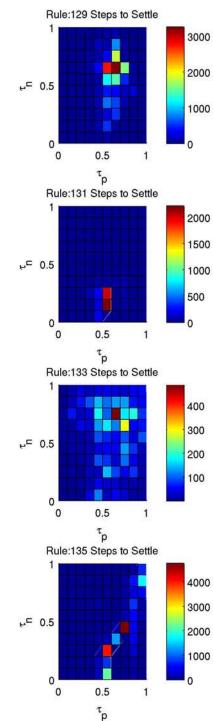


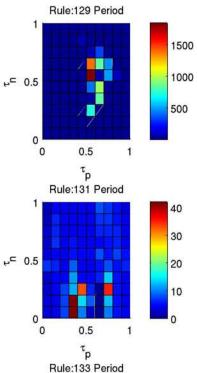


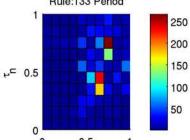


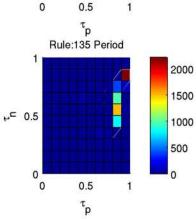
0.5

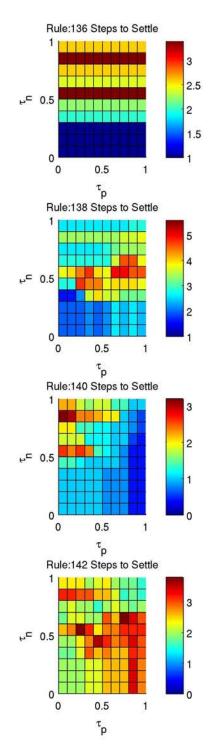
τp

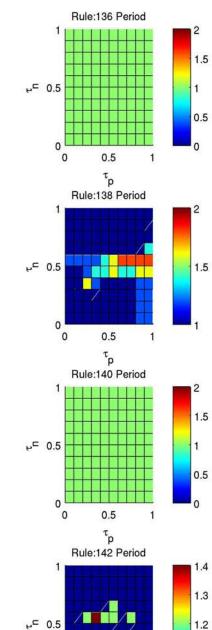






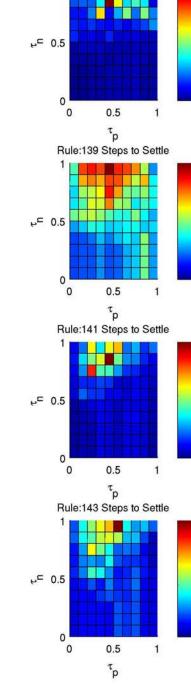






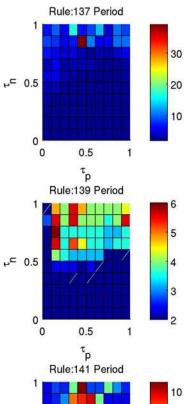
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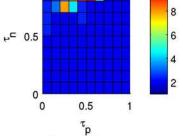
τp

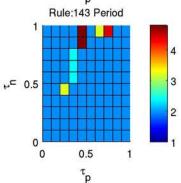


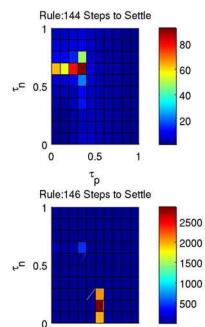
1.1

Rule:137 Steps to Settle









0.5

τ_p

Rule:148 Steps to Settle

0.5

τ_p

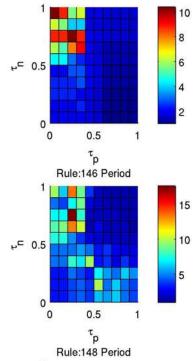
Rule:150 Steps to Settle

0.5

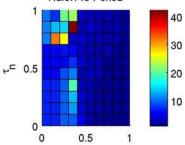
τ_p

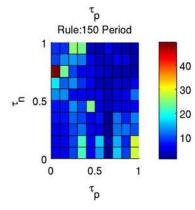
₽ 0.5

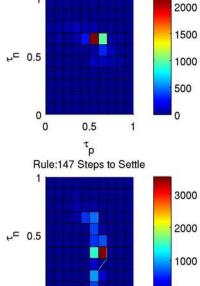
₽ 0.5



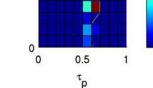
Rule:144 Period



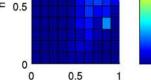




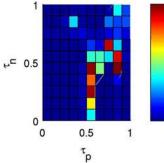
Rule:145 Steps to Settle

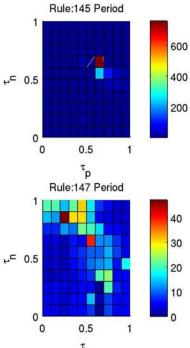


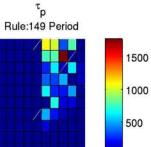




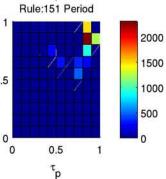






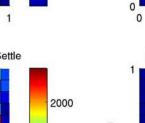






₽[⊑] 0.5

0.5 τ_p

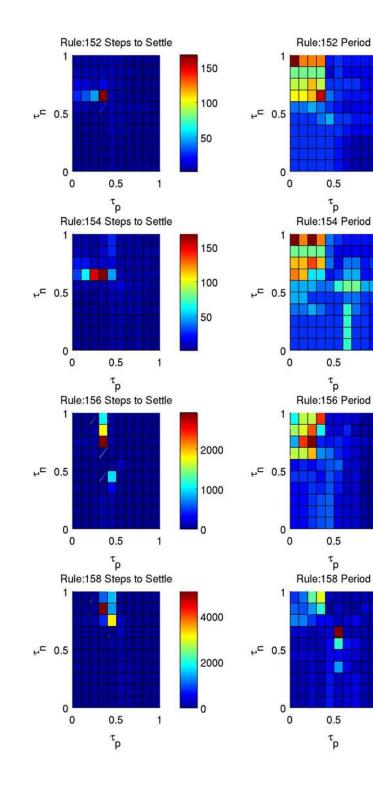


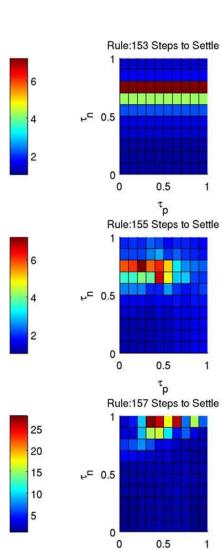
₽ 0.5

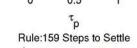
₽ 0.5

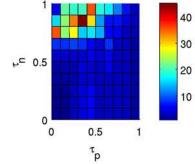


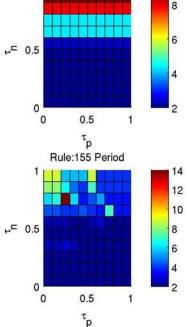




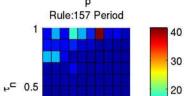


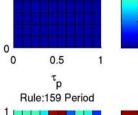


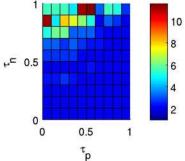


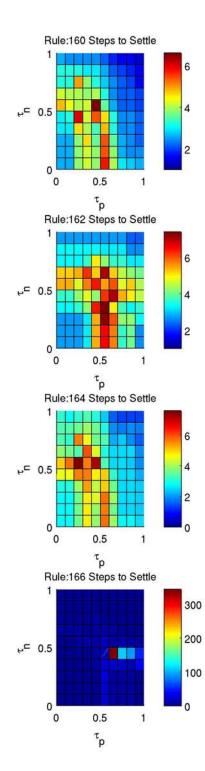


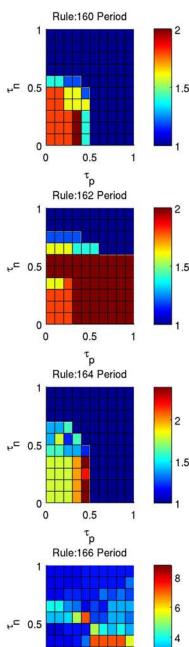
Rule:153 Period





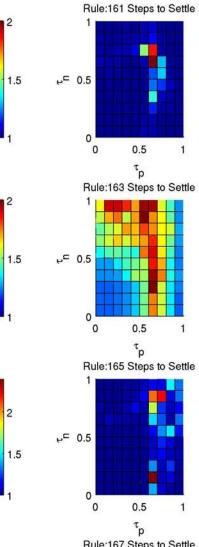


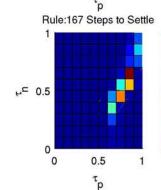


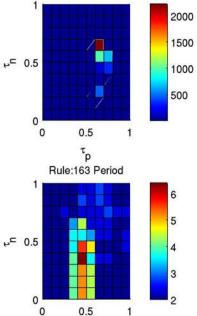


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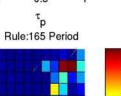
τp

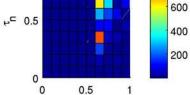


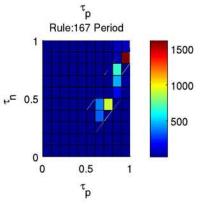


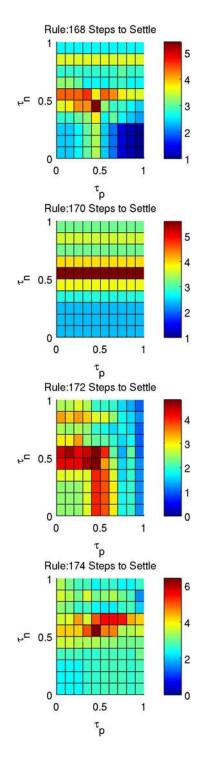


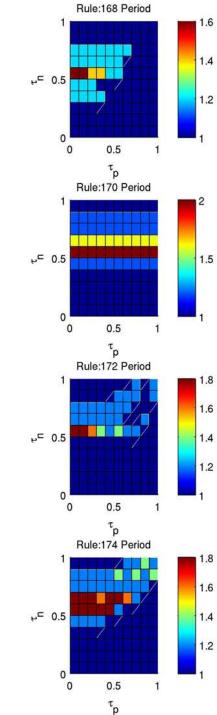
Rule:161 Period

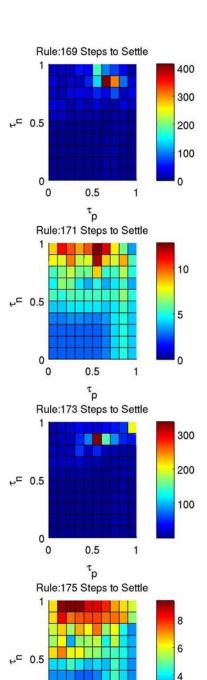






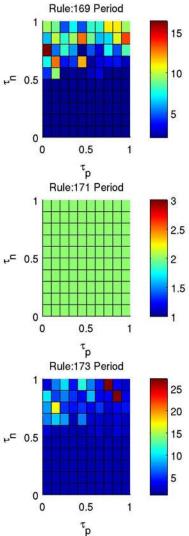


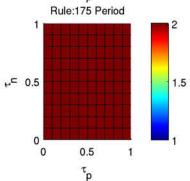


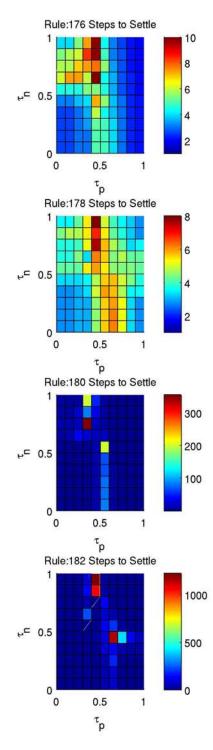


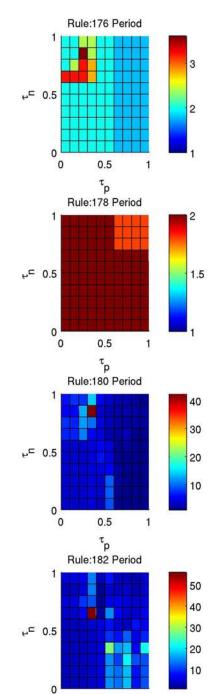
0.5

τ_p





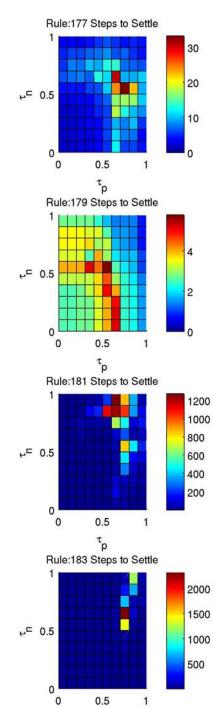




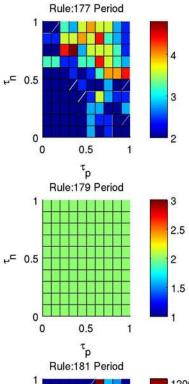
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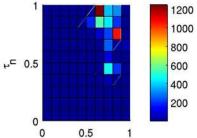
τp

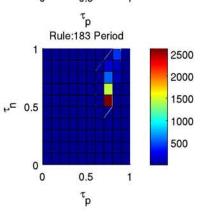
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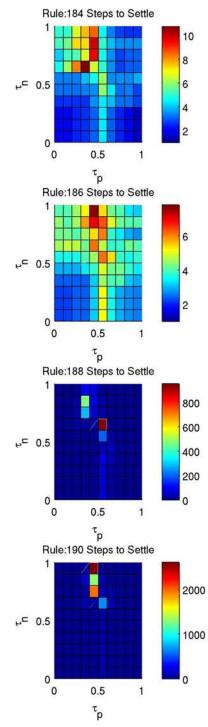


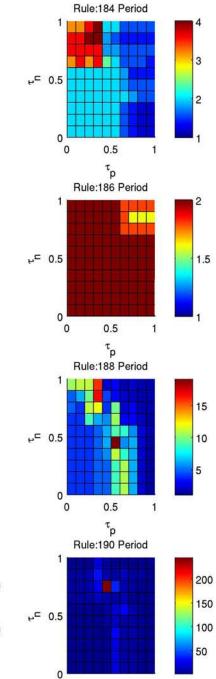
τ_p





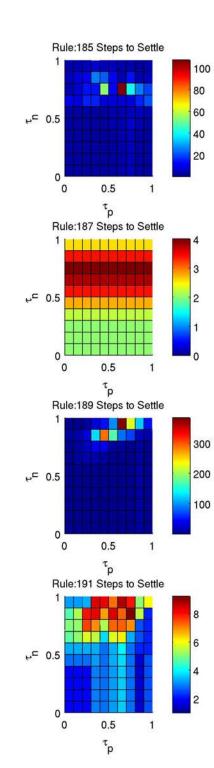


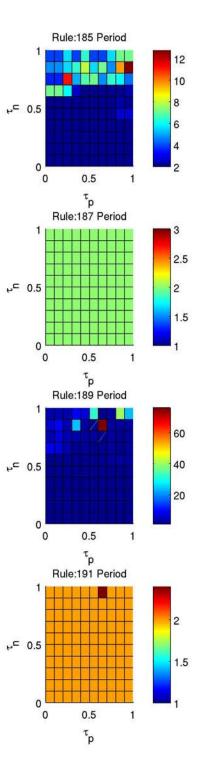


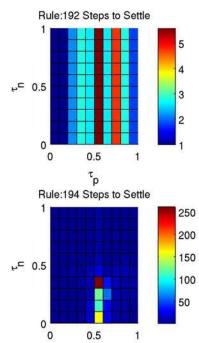


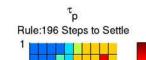
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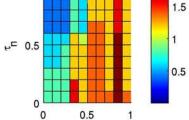
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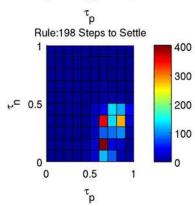


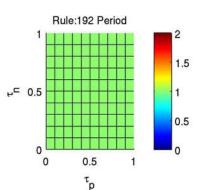




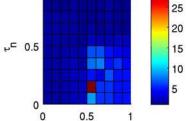




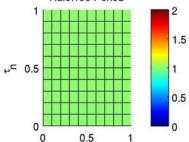


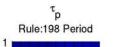


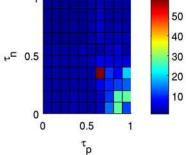
Rule:194 Period

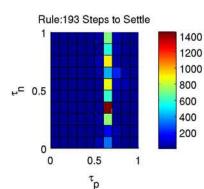


τp Rule:196 Period

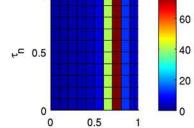


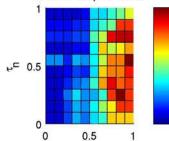




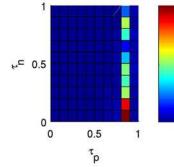


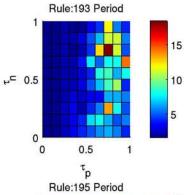


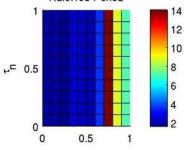


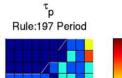
τ_p Rule:197 Steps to Settle 

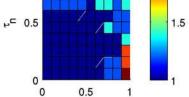
τ_p Rule:199 Steps to Settle



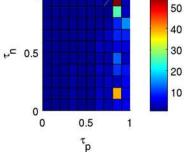


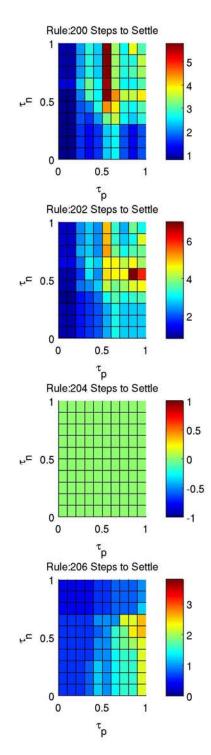


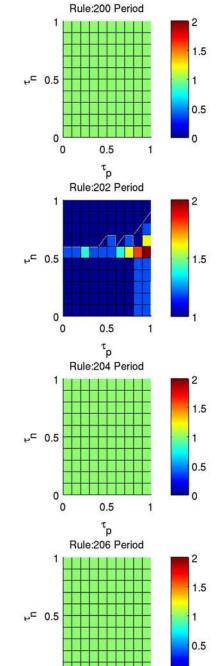




τp Rule:199 Period

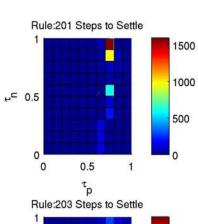


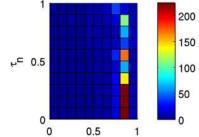


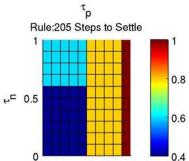


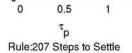
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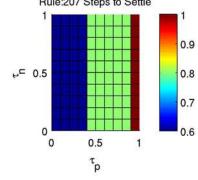
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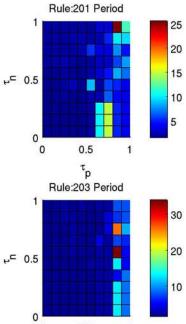


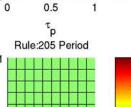




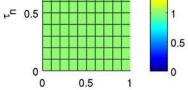


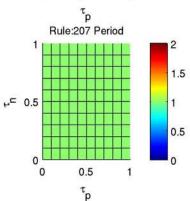


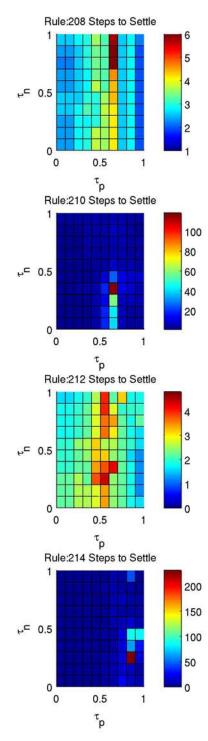


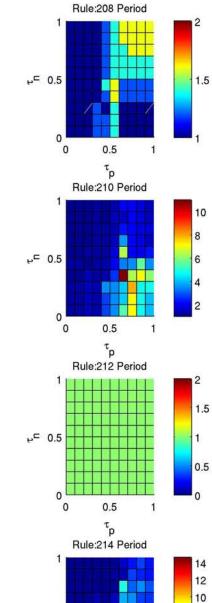


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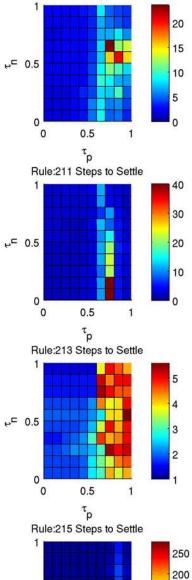




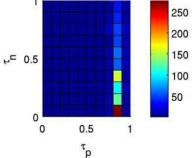
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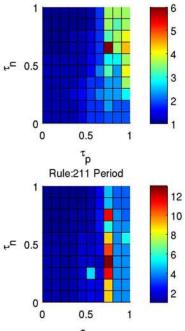
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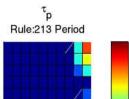


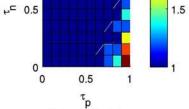
Rule:209 Steps to Settle

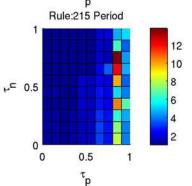


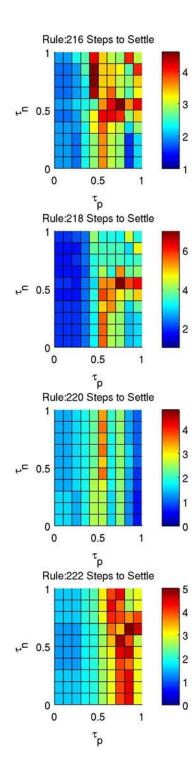


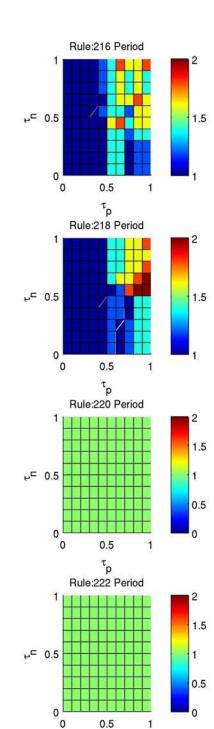
Rule:209 Period



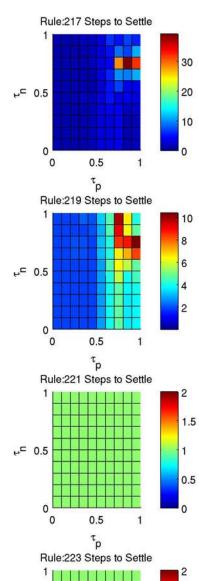


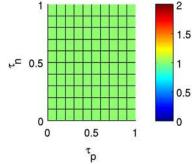


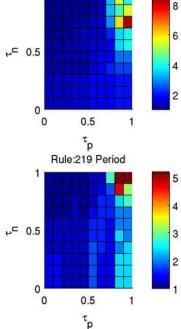




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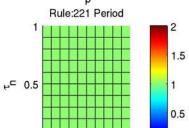


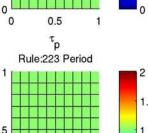


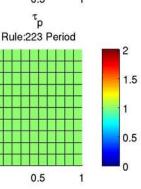
Rule:217 Period

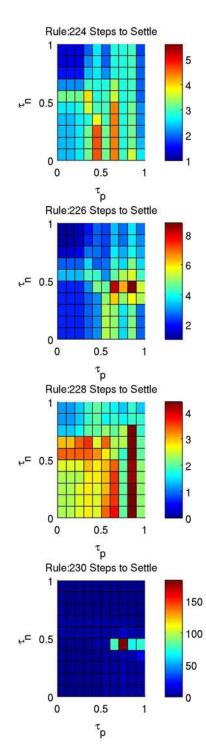
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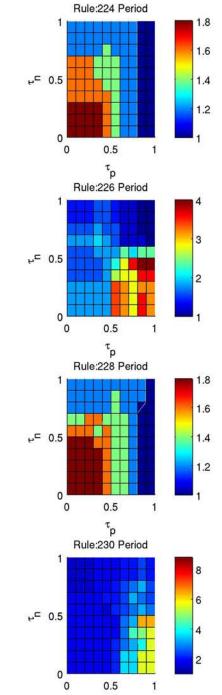
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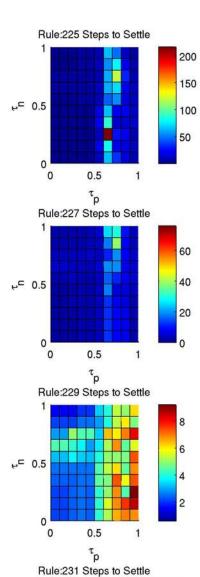


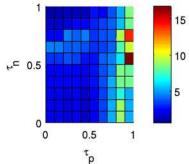


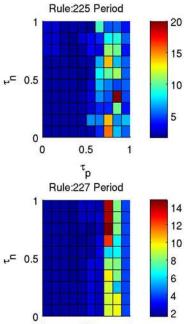


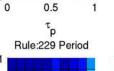


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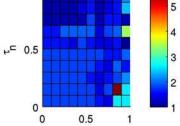


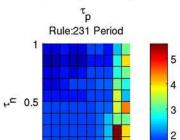


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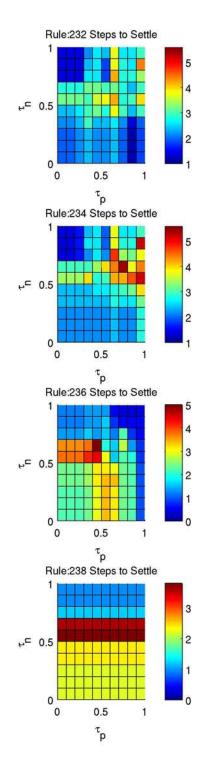
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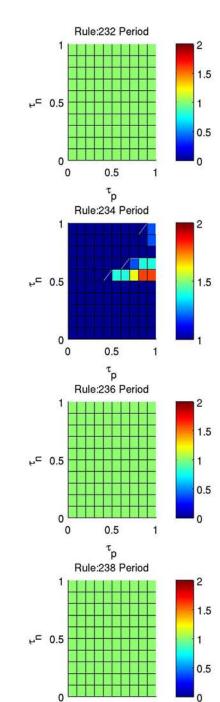




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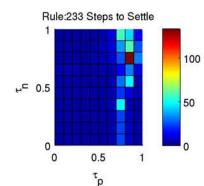
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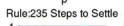


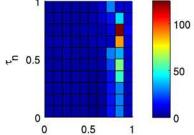


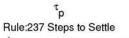
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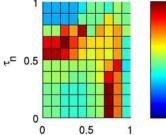
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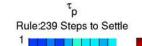


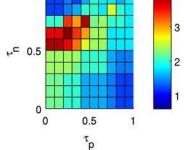


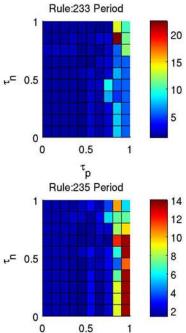


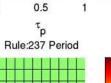


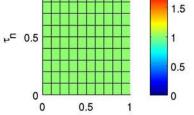


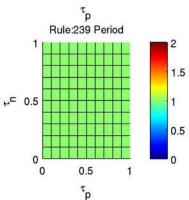


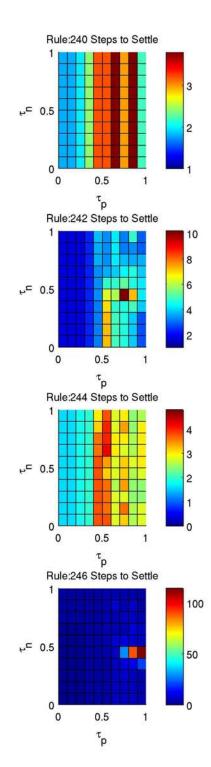


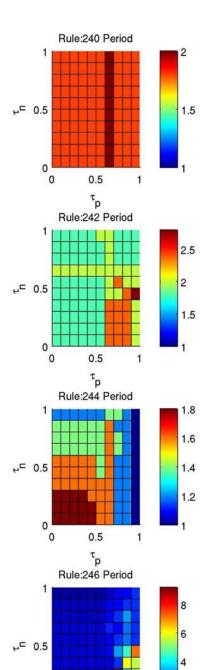






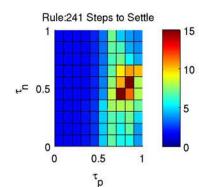




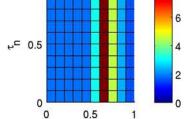


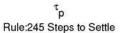
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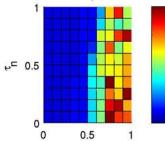
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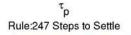


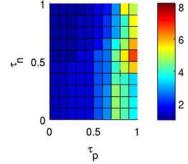


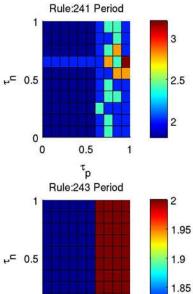


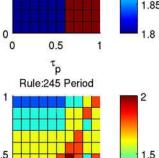


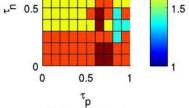


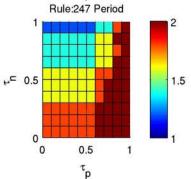


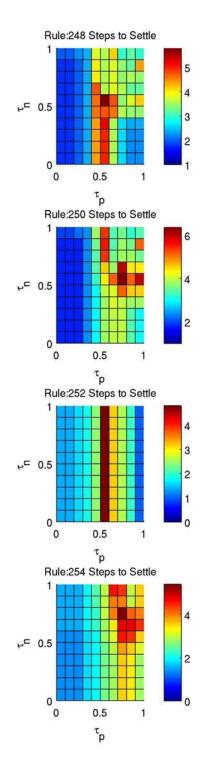


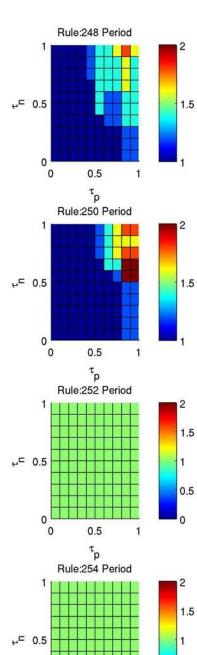






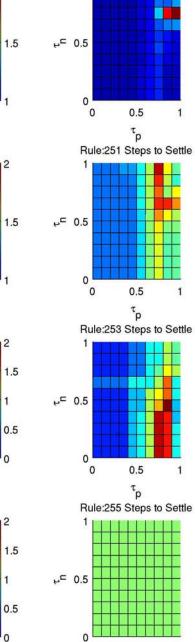






0.5

τp



0.5

τ_p

Rule:249 Steps to Settle

1.5

0.5

τp

