

Iteration 1

Cost = 15 : 2 rules, 11 conditions

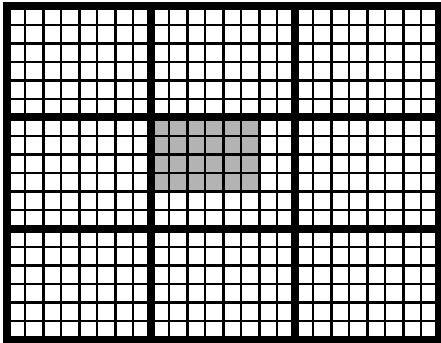
Positive coverage = 3

Negative coverage = 0

Rule set:

[H=S][B=S][S=Y][Ho=B][J=Y]

∨ [H=S][B=R][S=Y][Ho=B][J=G][T=N]



Iteration 2

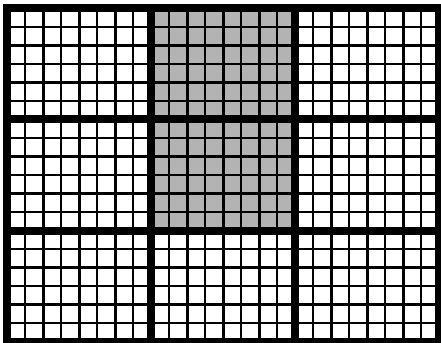
Cost = 6 : 1 rule, 4 conditions

Positive coverage = 6

Negative coverage = 0

Rule set:

[H=S][B=S,O][S=Y][Ho=B][J=Y,G,B]



Iteration 3 (an overgeneralization)

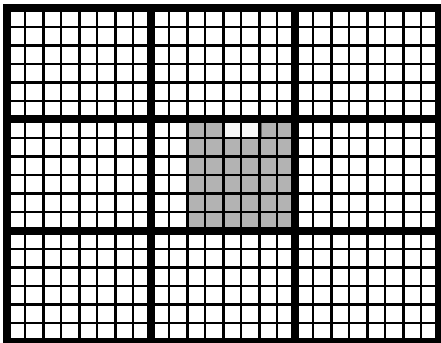
Cost = 4 : 1 rule, 2 conditions]

Positive coverage = 12

Negative coverage = 4

Rule set:

[H=R,S][Ho=B]



Iteration 7 (one redundant rule)

Cost = 12 : 2 rules, 8 conditions

Positive coverage = 10

Negative coverage = 0

Rule set:

[H=S][Ho=B][J=Y,G,B]

∨ [H=S][B=R][S=Y][Ho=B][J=G]

Figure 8. The first four improvements.