

$(p, \varrho, \Delta(p, \varrho))$	$\mathcal{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_0, \top, q_1)	$-0.02 - 0.08y + 0.93x$
(q_0, b, q_0)	$0.14 + 0.07y - 0.07x$
(q_1, b, q_0)	$0.14 + 0.07y - 0.07x$
(q_1, \top, q_0)	$1.0 + 0.99y + 0.93x$
(q_1, a, q_1)	$0.14 + 0.07y - 0.07x$
(q_0, a, q_1)	$0.14 + 0.07y - 0.07x$
(q_0, \top, q_0)	$1.0 + 0.99y + 0.93x$
$(p, \varrho, \Delta(p, \varrho))$	$\mathfrak{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_1, a, q_1)	$0.14 + 0.07y - 0.07x$
(q_1, b, q_0)	0.0
(q_1, q_1)	0.0
(q_0, a, q_1)	$0.14 + 0.07y - 0.07x$
(q_0, b, q_0)	$0.14 + 0.07y - 0.07x$
$(l, p, \varrho, \Delta(p, \varrho))$	$V_{p,q}(x, y) = \sum_{j=0}^d v_{l,j}^{p,q} \varphi_j(x, y)$
$(1, q_0, \top, q_0)$	$0.93 + 0.59x_0 + 0.06y$
$(1, q_0, \top, q_1)$	$0.97 + 0.97x_0$

TABLE VI

SC²S FOR VERIFYING THE GAMBLER'S RUIN MODEL AGAINST THE PROPERTY **GFa**, WHERE WE FIX THE VALUES $\tau_1 = 0.1$, $\tau_2 = 0.05$, AND FOUND VALUES $\delta = 0.1$, $\gamma = 1.008$, AND $\lambda = 3.05$.

$(p, \varrho, \Delta(p, \varrho))$	$\mathcal{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_1, \top, q_0)	$757.12 - 0.08y$
(q_0, \top, q_0)	$757.38 - 0.1y$
(q_1, \top, q_1)	$-386.23 - 1.81y$
$(p, \varrho, \Delta(p, \varrho))$	$\mathfrak{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_0, \top, q_1)	0.0
(q_1, \top, q_0)	$757.42 - 0.1y$
(q_0, \top, q_0)	533.21
(q_0, c, q_1)	0.0
$(l, p, \varrho, \Delta(p, \varrho))$	$V_{p,q}(x, y) = \sum_{j=0}^d v_{l,j}^{p,q} \varphi_j(x, y)$
$(1, q_0, \top, q_0)$	$100.63 + 407.52x_0$
$(1, q_0, \top, q_1)$	$718.23 + 411.4x_0$

TABLE VII

SC²S FOR VERIFYING THE RANDOM WALK EXAMPLE AGAINST THE PROPERTY **Gb**, WHERE WE FIX THE VALUES $\tau_1 = \tau_2 = 0.001$, AND FOUND VALUES $\delta = 15$, $\gamma = 0.03$, AND $\lambda = 500$.

$(p, \varrho, \Delta(p, \varrho))$	$\mathcal{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_1, \top, q_2)	$-278.8 - 1.26y$
(q_1, \top, q_0)	$546.21 - 0.06y$
(q_0, \top, q_2)	$-278.69 - 1.25y$
(q_0, \top, q_0)	$546.53 - 0.06y$
(q_1, \top, q_1)	$-278.8 - 1.23y$
$(p, \varrho, \Delta(p, \varrho))$	$\mathfrak{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_0, \top, q_1)	0.0
(q_0, a, q_1)	0.0
(q_1, \top, q_0)	$546.21 - 0.06y$
(q_0, \top, q_0)	$546.53 - 0.06y$
$(l, p, \varrho, \Delta(p, \varrho))$	$V_{p,q}(x, y) = \sum_{j=0}^d v_{l,j}^{p,q} \varphi_j(x, y)$
$(3, q_0, \top, q_0)$	$70.78 + 294.12x_0$
$(3, q_0, \top, q_1)$	$188.76 + 188.76x_0$

TABLE VIII

SC²S FOR VERIFYING THE RANDOM WALK EXAMPLE AGAINST THE PROPERTY **bUa**, WHERE WE FIX THE VALUES $\tau_1 = \tau_2 = 0.001$, AND FOUND VALUES $\delta = 15$, $\gamma = 0.03$, AND $\lambda = 500$.

$(p, \varrho, \Delta(p, \varrho))$	$\mathcal{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_0, \top, q_1)	$69.92 - 2.79y + 115.48x$
(q_2, \top, q_1)	$69.92 - 2.79y + 115.48x$
(q_1, \top, q_2)	$72.77 + 0.41y + 110.0x$
(q_2, \top, q_0)	$70.72 + 68.79y + 70.13x$
(q_1, \top, q_0)	$70.75 + 71.9y + 70.19x$
(q_0, \top, q_2)	$75.83 - 2.68y + 109.94x$
(q_2, \top, q_2)	$75.83 - 2.68y + 109.94x$
(q_0, \top, q_0)	$70.72 + 68.79y + 70.13x$
(q_1, \top, q_1)	$66.86 + 0.3y + 115.53x$
$(p, \varrho, \Delta(p, \varrho))$	$\mathfrak{C}_{p,q}(x, y) = \sum_{j=0}^d c_j^{p,q} \varphi_j(x, y)$
(q_0, b, q_1)	0.0
(q_1, c, q_1)	$45.55 - 26.51y - 72.07x$
(q_2, \top, q_1)	0.0
(q_0, \top, q_1)	0.0
(q_1, a, q_1)	$45.55 - 26.51y - 72.07x$
(q_1, \top, q_2)	$72.77 + 0.41y + 110.0x$
(q_2, \top, q_2)	$-167.37 + 244.87y + 109.07x$
(q_2, \top, q_0)	$72.85 + 321.09y + 69.26x$
(q_2, c, q_2)	$51.55 - 26.39y - 77.95x$
(q_0, \top, q_2)	$-167.37 + 244.87y + 109.07x$
(q_1, b, q_1)	$45.55 - 26.51y - 72.07x$
(q_0, c, q_0)	$51.55 - 26.39y - 77.95x$
(q_1, \top, q_1)	$66.86 + 0.3y + 115.53x$
(q_0, a, q_2)	$51.55 - 26.39y - 77.95x$
(q_2, b, q_2)	$51.55 - 26.39y - 77.95x$
(q_0, \top, q_0)	$72.85 + 321.09y + 69.26x$
(q_2, a, q_2)	$51.55 - 26.39y - 77.95x$
$(l, p, \varrho, \Delta(p, \varrho))$	$V_{p,q}(x, y) = \sum_{j=0}^d v_{l,j}^{p,q} \varphi_j(x, y)$
$(3, q_0, \top, q_2)$	$20.39 + 51.88x_0 + 9.63y$
$(3, q_0, \top, q_0)$	$69.88 + 38.4x_0 + 63.94x$
$(3, q_0, \top, q_1)$	$54.4 + 54.4x_0$

TABLE IX

SC³S FOR VERIFYING THE BECOMING RICH ONCE MODEL AGAINST THE PROPERTY **aUb**, WHERE WE FIX THE VALUES $\tau_1 = 0.2$, $\tau_2 = 0.06$, $\tau_3 = 0.5$, AND FOUND VALUES $\delta = 0.5$, $\gamma = 0.85$, AND $\lambda = 100$.