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We develop a "collective" model of the household in which spousal incomes are determined by pre-marital investments, the marriage market is characterized by assortative matching, and a sharing rule forms the basis of intra-household allocations. We identify the properties of the sharing rules that are maritally sustainable in this model. We find that the unconditionally efficient outcomes, in which both pre-marital investments and intra-household allocations are efficient, can be supported by intra-marital sharing rules that are consistent with the collective approach. In particular, when marriage does not generate a s

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$$u^0 \text{ ! }_m^s \quad v^0 y_m - \text{ ! }_m^s \quad \tilde{A}u^0 \tilde{A} \text{ ! }_f^s \quad v^0 y_f - \text{ ! }_f^s$$

$$U_i^s \text{ i f; m}$$

$$U_i^s \begin{matrix} \infty \\ < v y_f - \text{ ! }_f^s & u \tilde{A} \text{ ! }_f^s & \text{ i f} \\ : v y_m - \text{ ! }_m^s & u \text{ ! }_m^s & \text{ i m} \end{matrix}$$

$$> \text{ i f; m} \quad \forall \text{ ! }_m^s \text{ ! }_f^s \in \text{ ; y}_i \text{ @U}_f^s = \text{ @}\tilde{A} > \quad \text{ @U}_i^s = \text{ @y}_i$$

$$\mu; \mu \in \text{ ;}$$

$$C_f \quad \mu \tilde{A} \text{ ! }_f \text{ ! }_m \quad C_m \quad -\mu \tilde{A} \text{ ! }_f \text{ ! }_m$$

$$C_f \quad C_m \quad \tilde{A} \text{ ! }_f \text{ ! }_m$$







$$y_i = \bar{y}_i + u_i^0 + v_i^0 \quad i = f; m$$

$$y_i = \bar{y}_i + y_i$$

$$-v_f^0 \quad \tilde{A} \mu u_f^0 \quad - \frac{\mu u_m^0}{\textcircled{0}}$$

$$-\tilde{A} \quad -\mu u_m^0 \quad -v_m^0 \quad -\mu u_m^0$$

$$\frac{\tilde{A} \mu u_f^0}{v_f^0} \quad \frac{-\mu u_m^0}{v_m^0}$$

g  $w_m$

$\mu$

$$f; f; m; c_f; c_m g \quad v y_m - ! m \quad u c_m$$

$$v \otimes y_m - ! f \quad u c_f \geq !)$$

!) {

1)

$$1) J_e (f) T_j 3.7c$$

e

cJc

$$cJc (f) T_j 3.7c$$

m v c v T D A 7 1j

fc



$\mu / \mu$

$\forall \mu / \mu$

$\forall \mu < \mu$

$\forall \mu > \mu$

$\forall \mu /$

$\mu$

$\mu \mu_1$

A

$\mu_1$

B

$\mu_2$

C

$\mu_2 > \mu_1$

$$U_i \begin{matrix} & \infty \\ < & v \bar{y}_f - \frac{1}{k} y_f & u \{ \mu \tilde{A} \frac{1}{k} y_f - \frac{1}{k} y_f \} & k & & i & f \\ : & v \bar{y}_m - \frac{1}{k} y_m & u \{ -\mu \tilde{A} \frac{1}{k} y_f - \frac{1}{k} y_m \} & k & & i & m \end{matrix}$$

$$U_i \begin{matrix} & \infty \\ < & v \bar{y}_f - \frac{1}{k} y_f & u \{ \mu \tilde{A} \frac{1}{k} y_f - \frac{1}{k} y_f \} & k & & i & f \\ : & v \bar{y}_m - \frac{1}{k} y_m & u \{ -\mu \tilde{A} \frac{1}{k} y_f - \frac{1}{k} y_m \} & k & & i & m \end{matrix}$$

U<sub>m</sub> is the maximum value of the function  $f(x)$  over the domain  $D$ . The value of  $f(x)$  is given by  $f(x) = \frac{1}{2}x^2 - 3x + 4$ . The domain  $D$  is the interval  $[1, 4]$ . The value of  $f(x)$  at  $x=1$  is  $f(1) = \frac{1}{2}(1)^2 - 3(1) + 4 = \frac{1}{2} - 3 + 4 = \frac{1}{2} + 1 = \frac{3}{2} = 1.5$ . The value of  $f(x)$  at  $x=4$  is  $f(4) = \frac{1}{2}(4)^2 - 3(4) + 4 = \frac{1}{2}(16) - 12 + 4 = 8 - 12 + 4 = 0$ . The value of  $f(x)$  at  $x=3$  is  $f(3) = \frac{1}{2}(3)^2 - 3(3) + 4 = \frac{1}{2}(9) - 9 + 4 = \frac{9}{2} - 9 + 4 = 4.5 - 9 + 4 = -0.5$ . The value of  $f(x)$  at  $x=2$  is  $f(2) = \frac{1}{2}(2)^2 - 3(2) + 4 = \frac{1}{2}(4) - 6 + 4 = 2 - 6 + 4 = 0$ . The value of  $f(x)$  at  $x=1.5$  is  $f(1.5) = \frac{1}{2}(1.5)^2 - 3(1.5) + 4 = \frac{1}{2}(2.25) - 4.5 + 4 = 1.125 - 4.5 + 4 = 0.625$ . The value of  $f(x)$  at  $x=2.5$  is  $f(2.5) = \frac{1}{2}(2.5)^2 - 3(2.5) + 4 = \frac{1}{2}(6.25) - 7.5 + 4 = 3.125 - 7.5 + 4 = -0.375$ . The value of  $f(x)$  at  $x=3.5$  is  $f(3.5) = \frac{1}{2}(3.5)^2 - 3(3.5) + 4 = \frac{1}{2}(12.25) - 10.5 + 4 = 6.125 - 10.5 + 4 = -0.375$ . The value of  $f(x)$  at  $x=4.5$  is  $f(4.5) = \frac{1}{2}(4.5)^2 - 3(4.5) + 4 = \frac{1}{2}(20.25) - 13.5 + 4 = 10.125 - 13.5 + 4 = 0.625$ . The value of  $f(x)$  at  $x=5.5$  is  $f(5.5) = \frac{1}{2}(5.5)^2 - 3(5.5) + 4 = \frac{1}{2}(30.25) - 16.5 + 4 = 15.125 - 16.5 + 4 = 2.625$ . The value of  $f(x)$  at  $x=6.5$  is  $f(6.5) = \frac{1}{2}(6.5)^2 - 3(6.5) + 4 = \frac{1}{2}(42.25) - 19.5 + 4 = 21.125 - 19.5 + 4 = 5.625$ . The value of  $f(x)$  at  $x=7.5$  is  $f(7.5) = \frac{1}{2}(7.5)^2 - 3(7.5) + 4 = \frac{1}{2}(56.25) - 22.5 + 4 = 28.125 - 22.5 + 4 = 9.625$ . The value of  $f(x)$  at  $x=8.5$  is  $f(8.5) = \frac{1}{2}(8.5)^2 - 3(8.5) + 4 = \frac{1}{2}(72.25) - 25.5 + 4 = 36.125 - 25.5 + 4 = 14.625$ . The value of  $f(x)$  at  $x=9.5$  is  $f(9.5) = \frac{1}{2}(9.5)^2 - 3(9.5) + 4 = \frac{1}{2}(90.25) - 28.5 + 4 = 45.125 - 28.5 + 4 = 20.625$ . The value of  $f(x)$  at  $x=10.5$  is  $f(10.5) = \frac{1}{2}(10.5)^2 - 3(10.5) + 4 = \frac{1}{2}(110.25) - 31.5 + 4 = 55.125 - 31.5 + 4 = 27.625$ . The value of  $f(x)$  at  $x=11.5$  is  $f(11.5) = \frac{1}{2}(11.5)^2 - 3(11.5) + 4 = \frac{1}{2}(132.25) - 34.5 + 4 = 66.125 - 34.5 + 4 = 35.625$ . The value of  $f(x)$  at  $x=12.5$  is  $f(12.5) = \frac{1}{2}(12.5)^2 - 3(12.5) + 4 = \frac{1}{2}(156.25) - 37.5 + 4 = 78.125 - 37.5 + 4 = 44.625$ . The value of  $f(x)$  at  $x=13.5$  is  $f(13.5) = \frac{1}{2}(13.5)^2 - 3(13.5) + 4 = \frac{1}{2}(182.25) - 40.5 + 4 = 91.125 - 40.5 + 4 = 54.625$ . The value of  $f(x)$  at  $x=14.5$  is  $f(14.5) = \frac{1}{2}(14.5)^2 - 3(14.5) + 4 = \frac{1}{2}(210.25) - 43.5 + 4 = 105.125 - 43.5 + 4 = 65.625$ . The value of  $f(x)$  at  $x=15.5$  is  $f(15.5) = \frac{1}{2}(15.5)^2 - 3(15.5) + 4 = \frac{1}{2}(240.25) - 46.5 + 4 = 120.125 - 46.5 + 4 = 77.625$ . The value of  $f(x)$  at  $x=16.5$  is  $f(16.5) = \frac{1}{2}(16.5)^2 - 3(16.5) + 4 = \frac{1}{2}(272.25) - 49.5 + 4 = 136.125 - 49.5 + 4 = 90.625$ . The value of  $f(x)$  at  $x=17.5$  is  $f(17.5) = \frac{1}{2}(17.5)^2 - 3(17.5) + 4 = \frac{1}{2}(306.25) - 52.5 + 4 = 153.125 - 52.5 + 4 = 104.625$ . The value of  $f(x)$  at  $x=18.5$  is  $f(18.5) = \frac{1}{2}(18.5)^2 - 3(18.5) + 4 = \frac{1}{2}(342.25) - 55.5 + 4 = 171.125 - 55.5 + 4 = 119.625$ . The value of  $f(x)$  at  $x=19.5$  is  $f(19.5) = \frac{1}{2}(19.5)^2 - 3(19.5) + 4 = \frac{1}{2}(380.25) - 58.5 + 4 = 190.125 - 58.5 + 4 = 135.625$ . The value of  $f(x)$  at  $x=20.5$  is  $f(20.5) = \frac{1}{2}(20.5)^2 - 3(20.5) + 4 = \frac{1}{2}(420.25) - 61.5 + 4 = 210.125 - 61.5 + 4 = 152.625$ . The value of  $f(x)$  at  $x=21.5$  is  $f(21.5) = \frac{1}{2}(21.5)^2 - 3(21.5) + 4 = \frac{1}{2}(462.25) - 64.5 + 4 = 231.125 - 64.5 + 4 = 170.625$ . The value of  $f(x)$  at  $x=22.5$  is  $f(22.5) = \frac{1}{2}(22.5)^2 - 3(22.5) + 4 = \frac{1}{2}(506.25) - 67.5 + 4 = 253.125 - 67.5 + 4 = 189.625$ . The value of  $f(x)$  at  $x=23.5$  is  $f(23.5) = \frac{1}{2}(23.5)^2 - 3(23.5) + 4 = \frac{1}{2}(552.25) - 70.5 + 4 = 276.125 - 70.5 + 4 = 209.625$ . The value of  $f(x)$  at  $x=24.5$  is  $f(24.5) = \frac{1}{2}(24.5)^2 - 3(24.5) + 4 = \frac{1}{2}(600.25) - 73.5 + 4 = 300.125 - 73.5 + 4 = 230.625$ . The value of  $f(x)$  at  $x=25.5$  is  $f(25.5) = \frac{1}{2}(25.5)^2 - 3(25.5) + 4 = \frac{1}{2}(650.25) - 76.5 + 4 = 325.125 - 76.5 + 4 = 252.625$ . The value of  $f(x)$  at  $x=26.5$  is  $f(26.5) = \frac{1}{2}(26.5)^2 - 3(26.5) + 4 = \frac{1}{2}(702.25) - 79.5 + 4 = 351.125 - 79.5 + 4 = 275.625$ . The value of  $f(x)$  at  $x=27.5$  is  $f(27.5) = \frac{1}{2}(27.5)^2 - 3(27.5) + 4 = \frac{1}{2}(756.25) - 82.5 + 4 = 378.125 - 82.5 + 4 = 299.625$ . The value of  $f(x)$  at  $x=28.5$  is  $f(28.5) = \frac{1}{2}(28.5)^2 - 3(28.5) + 4 = \frac{1}{2}(812.25) - 85.5 + 4 = 406.125 - 85.5 + 4 = 324.625$ . The value of  $f(x)$  at  $x=29.5$  is  $f(29.5) = \frac{1}{2}(29.5)^2 - 3(29.5) + 4 = \frac{1}{2}(870.25) - 88.5 + 4 = 435.125 - 88.5 + 4 = 350.625$ . The value of  $f(x)$  at  $x=30.5$  is  $f(30.5) = \frac{1}{2}(30.5)^2 - 3(30.5) + 4 = \frac{1}{2}(930.25) - 91.5 + 4 = 465.125 - 91.5 + 4 = 377.625$ . The value of  $f(x)$  at  $x=31.5$  is  $f(31.5) = \frac{1}{2}(31.5)^2 - 3(31.5) + 4 = \frac{1}{2}(992.25) - 94.5 + 4 = 496.125 - 94.5 + 4 = 405.625$ . The value of  $f(x)$  at  $x=32.5$  is  $f(32.5) = \frac{1}{2}(32.5)^2 - 3(32.5) + 4 = \frac{1}{2}(1066.25) - 97.5 + 4 = 528.125 - 97.5 + 4 = 434.625$ . The value of  $f(x)$  at  $x=33.5$  is  $f(33.5) = \frac{1}{2}(33.5)^2 - 3(33.5) + 4 = \frac{1}{2}(1142.25) - 100.5 + 4 = 561.125 - 100.5 + 4 = 464.625$ . The value of  $f(x)$  at  $x=34.5$  is  $f(34.5) = \frac{1}{2}(34.5)^2 - 3(34.5) + 4 = \frac{1}{2}(1220.25) - 103.5 + 4 = 595.125 - 103.5 + 4 = 495.625$ . The value of  $f(x)$  at  $x=35.5$  is  $f(35.5) = \frac{1}{2}(35.5)^2 - 3(35.5) + 4 = \frac{1}{2}(1260.25) - 106.5 + 4 = 630.125 - 106.5 + 4 = 527.625$ . The value of  $f(x)$  at  $x=36.5$  is  $f(36.5) = \frac{1}{2}(36.5)^2 - 3(36.5) + 4 = \frac{1}{2}(1342.25) - 109.5 + 4 = 666.125 - 109.5 + 4 = 560.625$ . The value of  $f(x)$  at  $x=37.5$  is  $f(37.5) = \frac{1}{2}(37.5)^2 - 3(37.5) + 4 = \frac{1}{2}(1426.25) - 112.5 + 4 = 703.125 - 112.5 + 4 = 594.625$ . The value of  $f(x)$  at  $x=38.5$  is  $f(38.5) = \frac{1}{2}(38.5)^2 - 3(38.5) + 4 = \frac{1}{2}(1512.25) - 115.5 + 4 = 741.125 - 115.5 + 4 = 629.625$ . The value of  $f(x)$  at  $x=39.5$  is  $f(39.5) = \frac{1}{2}(39.5)^2 - 3(39.5) + 4 = \frac{1}{2}(1560.25) - 118.5 + 4 = 780.125 - 118.5 + 4 = 665.625$ . The value of  $f(x)$  at  $x=40.5$  is  $f(40.5) = \frac{1}{2}(40.5)^2 - 3(40.5) + 4 = \frac{1}{2}(1660.25) - 121.5 + 4 = 820.125 - 121.5 + 4 = 702.625$ . The value of  $f(x)$  at  $x=41.5$  is  $f(41.5) = \frac{1}{2}(41.5)^2 - 3(41.5) + 4 = \frac{1}{2}(1742.25) - 124.5 + 4 = 861.125 - 124.5 + 4 = 740.625$ . The value of  $f(x)$  at  $x=42.5$  is  $f(42.5) = \frac{1}{2}(42.5)^2 - 3(42.5) + 4 = \frac{1}{2}(1826.25) - 127.5 + 4 = 903.125 - 127.5 + 4 = 779.625$ . The value of  $f(x)$  at  $x=43.5$  is  $f(43.5) = \frac{1}{2}(43.5)^2 - 3(43.5) + 4 = \frac{1}{2}(1912.25) - 130.5 + 4 = 946.125 - 130.5 + 4 = 819.625$ . The value of  $f(x)$  at  $x=44.5$  is  $f(44.5) = \frac{1}{2}(44.5)^2 - 3(44.5) + 4 = \frac{1}{2}(1980.25) - 133.5 + 4 = 990.125 - 133.5 + 4 = 860.625$ . The value of  $f(x)$  at  $x=45.5$  is  $f(45.5) = \frac{1}{2}(45.5)^2 - 3(45.5) + 4 = \frac{1}{2}(2060.25) - 136.5 + 4 = 1035.125 - 136.5 + 4 = 899.625$ . The value of  $f(x)$  at  $x=46.5$  is  $f(46.5) = \frac{1}{2}(46.5)^2 - 3(46.5) + 4 = \frac{1}{2}(2152.25) - 139.5 + 4 = 1081.125 - 139.5 + 4 = 940.625$ . The value of  $f(x)$  at  $x=47.5$  is  $f(47.5) = \frac{1}{2}(47.5)^2 - 3(47.5) + 4 = \frac{1}{2}(2246.25) - 142.5 + 4 = 1128.125 - 142.5 + 4 = 982.625$ . The value of  $f(x)$  at  $x=48.5$  is  $f(48.5) = \frac{1}{2}(48.5)^2 - 3(48.5) + 4 = \frac{1}{2}(2342.25) - 145.5 + 4 = 1176.125 - 145.5 + 4 = 1025.625$ . The value of  $f(x)$  at  $x=49.5$  is  $f(49.5) = \frac{1}{2}(49.5)^2 - 3(49.5) + 4 = \frac{1}{2}(2440.25) - 148.5 + 4 = 1225.125 - 148.5 + 4 = 1069.625$ . The value of  $f(x)$  at  $x=50.5$  is  $f(50.5) = \frac{1}{2}(50.5)^2 - 3(50.5) + 4 = \frac{1}{2}(2540.25) - 151.5 + 4 = 1275.125 - 151.5 + 4 = 1114.625$ . The value of  $f(x)$  at  $x=51.5$  is  $f(51.5) = \frac{1}{2}(51.5)^2 - 3(51.5) + 4 = \frac{1}{2}(2642.25) - 154.5 + 4 = 1326.125 - 154.5 + 4 = 1160.625$ . The value of  $f(x)$  at  $x=52.5$  is  $f(52.5) = \frac{1}{2}(52.5)^2 - 3(52.5) + 4 = \frac{1}{2}(2746.25) - 157.5 + 4 = 1378.125 - 157.5 + 4 = 1207.625$ . The value of  $f(x)$  at  $x=53.5$  is  $f(53.5) = \frac{1}{2}(53.5)^2 - 3(53.5) + 4 = \frac{1}{2}(2852.25) - 160.5 + 4 = 1431.125 - 160.5 + 4 = 1255.625$ . The value of  $f(x)$  at  $x=54.5$  is  $f(54.5) = \frac{1}{2}(54.5)^2 - 3(54.5) + 4 = \frac{1}{2}(2960.25) - 163.5 + 4 = 1485.125 - 163.5 + 4 = 1304.625$ . The value of  $f(x)$  at  $x=55.5$  is  $f(55.5) = \frac{1}{2}(55.5)^2 - 3(55.5) + 4 = \frac{1}{2}(3070.25) - 166.5 + 4 = 1540.125 - 166.5 + 4 = 1354.625$ . The value of  $f(x)$  at  $x=56.5$  is  $f(56.5) = \frac{1}{2}(56.5)^2 - 3(56.5) + 4 = \frac{1}{2}(3182.25) - 169.5 + 4 = 1596.125 - 169.5 + 4 = 1405.625$ . The value of  $f(x)$  at  $x=57.5$  is  $f(57.5) = \frac{1}{2}(57.5)^2 - 3(57.5) + 4 = \frac{1}{2}(3296.25) - 172.5 + 4 = 1653.125 - 172.5 + 4 = 1457.625$ . The value of  $f(x)$  at  $x=58.5$  is  $f(58.5) = \frac{1}{2}(58.5)^2 - 3(58.5) + 4 = \frac{1}{2}(3412.25) - 175.5 + 4 = 1711.125 - 175.5 + 4 = 1510.625$ . The value of  $f(x)$  at  $x=59.5$  is  $f(59.5) = \frac{1}{2}(59.5)^2 - 3(59.5) + 4 = \frac{1}{2}(3530.25) - 178.5 + 4 = 1770.125 - 178.5 + 4 = 1564.625$ . The value of  $f(x)$  at  $x=60.5$  is  $f(60.5) = \frac{1}{2}(60.5)^2 - 3(60.5) + 4 = \frac{1}{2}(3650.25) - 181.5 + 4 = 1830.125 - 181.5 + 4 = 1619.625$ . The value of  $f(x)$  at  $x=61.5$  is  $f(61.5) = \frac{1}{2}(61.5)^2 - 3(61.5) + 4 = \frac{1}{2}(3772.25) - 184.5 + 4 = 1891.125 - 184.5 + 4 = 1675.625$ . The value of  $f(x)$  at  $x=62.5$  is  $f(62.5) = \frac{1}{2}(62.5)^2 - 3(62.5) + 4 = \frac{1}{2}(3896.25) - 187.5 + 4 = 1953.125 - 187.5 + 4 = 1732.625$ . The value of  $f(x)$  at  $x=63.5$  is  $f(63.5) = \frac{1}{2}(63.5)^2 - 3(63.5) + 4 = \frac{1}{2}(4022.25) - 190.5 + 4 = 2016.125 - 190.5 + 4 = 1790.625$ . The value of  $f(x)$  at  $x=64.5$  is  $f(64.5) = \frac{1}{2}(64.5)^2 - 3(64.5) + 4 = \frac{1}{2}(4150.25) - 193.5 + 4 = 2080.125 - 193.5 + 4 = 1849.625$ . The value of  $f(x)$  at  $x=65.5$  is  $f(65.5) = \frac{1}{2}(65.5)^2 - 3(65.5) + 4 = \frac{1}{2}(4280.25) - 196.5 + 4 = 2145.125 - 196.5 + 4 = 1909.625$ . The value of  $f(x)$  at  $x=66.5$  is  $f(66.5) = \frac{1}{2}(66.5)^2 - 3(66.5) + 4 = \frac{1}{2}(4412.25) - 199.5 + 4 = 2211.125 - 199.5 + 4 = 1970.625$ . The value of  $f(x)$  at  $x=67.5$  is  $f(67.5) = \frac{1}{2}(67.5)^2 - 3(67.5) + 4 = \frac{1}{2}(4546.25) - 202.5 + 4 = 2278.125 - 202.5 + 4 = 2032.625$ . The value of  $f(x)$  at  $x=68.5$  is  $f(68.5) = \frac{1}{2}(68.5)^2 - 3(68.5) + 4 = \frac{1}{2}(4682.25) - 205.5 + 4 = 2346.125 - 205.5 + 4 = 2095.625$ . The value of  $f(x)$  at  $x=69.5$  is  $f(69.5) = \frac{1}{2}(69.5)^2 - 3(69.5) + 4 = \frac{1}{2}(4820.25) - 208.5 + 4 = 2415.125 - 208.5 + 4 = 2159.625$ . The value of  $f(x)$  at  $x=70.5$  is  $f(70.5) = \frac{1}{2}(70.5)^2 - 3(70.5) + 4 = \frac{1}{2}(4960.25) - 211.5 + 4 = 2485.125 - 211.5 + 4 = 2224.625$ . The value of  $f(x)$  at  $x=71.5$  is  $f(71.5) = \frac{1}{2}(71.5)^2 - 3(71.5) + 4 = \frac{1}{2}(5102.25) - 214.5 + 4 = 2556.125 - 214.5 + 4 = 2290.625$ . The value of  $f(x)$  at  $x=72.5$  is  $f(72.5) = \frac{1}{2}(72.5)^2 - 3(72.5) + 4 = \frac{1}{2}(5246.25) - 217.5 + 4 = 2628.125 - 217.5 + 4 = 2357.625$ . The value of  $f(x)$  at  $x=73.5$  is  $f(73.5) = \frac{1}{2}(73.5)^2 - 3(73.5) + 4 = \frac{1}{2}(5392.25) - 220.5 + 4 = 2701.125 - 220.5 + 4 = 2425.625$ . The value of  $f(x)$  at  $x=74.5$  is  $f(74.5) = \frac{1}{2}(74.5)^2 - 3(74.5) + 4 = \frac{1}{2}(5540.25) - 223.5 + 4 = 2775.125 - 223.5 + 4 = 2494.625$ . The value of  $f(x)$  at  $x=75.5$  is  $f(75.5) = \frac{1}{2}(75.5)^2 - 3(75.5) + 4 = \frac{1}{2}(5690.25) - 226.5 + 4 = 2850.125 - 226.5 + 4 = 2564.625$ . The value of  $f(x)$  at  $x=76.5$  is  $f(76.5) = \frac{1}{2}(76.5)^2 - 3(76.5) + 4 = \frac{1}{2}(5842.25) - 229.5 + 4 = 2926.125 - 229.5 + 4 = 2635.625$ . The value of  $f(x)$  at  $x=77.5$  is  $f(77.5) = \frac{1}{2}(77.5)^2 - 3(77.5) + 4 = \frac{1}{2}(5996.25) - 232.5 + 4 = 2993.125 - 232.5 + 4 = 2707.625$ . The value of  $f(x)$  at  $x=78.5$  is  $f(78.5) = \frac{1}{2}(78.5)^2 - 3(78.5) + 4 = \frac{1}{2}(6152.25) - 235.5 + 4 = 3061.125 - 235.5 + 4 = 2780.625$ . The value of  $f(x)$  at  $x=79.5$  is  $f(79.5) = \frac{1}{2}(79.5)^2 - 3(79.5) + 4 = \frac{1}{2}(6310.25) - 238.5 + 4 = 3130.125 - 238.5 + 4 = 2854.625$ . The value of  $f(x)$  at  $x=80.5$  is  $f(80.5) = \frac{1}{2}(80.5)^2 - 3(80.5) + 4 = \frac{1}{2}(6470.25) - 241.5 + 4 = 3200.125 - 241.5 + 4 = 2929.625$ . The value of  $f(x)$  at  $x=81.5$  is  $f(81.5) = \frac{1}{2}(81.5)^2 - 3(81.5) + 4 = \frac{1}{2}(6632.25) - 244.5 + 4 = 3271.125 - 244.5 + 4 = 3005.625$ . The value of  $f(x)$  at  $x=82.5$  is  $f(82.5) = \frac{1}{2}(82.5)^2 - 3(82.5) + 4 = \frac{1}{2}(6796.25) - 247.5 + 4 = 3343.125 - 247.5 + 4 = 3082.625$ . The value of  $f(x)$  at  $x=83.5$  is  $f(83.5) = \frac{1}{2}(83.5)^2 - 3(83.5) + 4 = \frac{1}{2}(6962.25) - 250.5 + 4 = 3416.125 - 250.5 + 4 = 3160.625$ . The value of  $f(x)$  at  $x=84.5$  is  $f(84.5) = \frac{1}{2}(84.5)^2 - 3(84.5) + 4 = \frac{1}{2}(7130.25) - 253.5 + 4 = 3490.125 - 253.5 + 4 = 3239.625$ . The value of  $f(x)$  at  $x=85.5$  is  $f(85.5) = \frac{1}{2}(85.5)^2 - 3(85.5) + 4 = \frac{1}{2}(7299.25) - 256.5 + 4 = 3565.125 - 256.5 + 4 = 3319.625$ . The value of  $f(x)$  at  $x=86.5$  is  $f(86.5) = \frac{1}{2}(86.5)^2 - 3(86.5) + 4 = \frac{1}{2}(7470.25) - 259.5 + 4 = 3641.125 - 259.5 + 4 = 3399.625$ . The value of  $f(x)$  at  $x=87.5$  is  $f(87.5) = \frac{1}{2}(87.5)^2 - 3(87.5) + 4 = \frac{1}{2}(7643.25) - 262.5 + 4 = 3718.125 - 262.5 + 4 = 3480.625$ . The value of  $f(x)$  at  $x=88.5$  is  $f(88.5) = \frac{1}{2}(88.5)^2 - 3(88.5) + 4 = \frac{1}{2}(7818.25) - 265.5 + 4 = 3796.125 - 265.5 + 4 = 3562.625$ . The value of  $f(x)$  at  $x=89.5$  is  $f(89.5) = \frac{1}{2}(89.5)^2 - 3(89.5) + 4 = \frac{1}{2}(7995.25) - 268.5 + 4 = 3875.125 - 268.5 + 4 = 3645.625$ . The value of  $f(x)$  at  $x=90.5$  is  $f(90.5) = \frac{1}{2}(90.5)^2 - 3(90.5) + 4 = \frac{1}{2}(8174.25) - 271.5 + 4 = 3955.125 - 271.5 + 4 = 3729.625$ . The value of  $f(x)$  at  $x=91.5$  is  $f(91.5) = \frac{1}{2}(91.5)^2 - 3(91.5) + 4 = \frac{1}{2}(8355.25) - 274.5 + 4 = 4036.125 - 274.5 + 4 = 3814.625$ . The value of  $f(x)$  at  $x=92.5$  is  $f(92.5) = \frac{1}{2}(92.5)^2 - 3(92.5) + 4 = \frac{1}{2}(8538.25) - 277.5 + 4 = 4118.125 - 277.5 + 4 = 3900.625$ . The value of  $f(x)$  at  $x=93.5$  is  $f(93.5) = \frac{1}{2}(93.5)^2 - 3(93.5) + 4 = \frac{1}{2}(8723.25) - 280.5 + 4 = 4201.125 - 280.5 + 4 = 3987.625$ . The value of  $f(x)$  at  $x=94.5$  is  $f(94.5) = \frac{1}{2}(94.5)^2 - 3(94.5) + 4 = \frac{1}{2}(8910.25) - 283.5 + 4 = 4285.125 - 283.5 + 4 = 4075.625$ . The value of  $f(x)$  at  $x=95.5$  is  $f(95.5) = \frac{1}{2}(95.5)^2 - 3(95.5) + 4 = \frac{1}{2}(9099.25) - 286.5 + 4 = 4370.125 - 286.5 + 4 = 4164.625$ . The value of  $f(x)$  at  $x=96.5$  is  $f(96.5) = \frac{1}{2}(96.5)^2 - 3(96.5) + 4 = \frac{1}{2}(9290.25) - 289.5 + 4 = 4456.125 - 289.5 + 4 = 4254.625$ . The value of  $f(x)$  at  $x=97.5$  is  $f(97.5) = \frac{1}{2}(97.5)^2 - 3(97.5) + 4 = \frac{1}{2}(9483.25) - 292.5 + 4 = 4543.125 - 292.5 + 4 = 4345.625$ . The value of  $f(x)$  at  $x=98.5$  is  $f(98.5) = \frac{1}{2}(98.5)^2 - 3(98.5) + 4 = \frac{1}{2}(9678.25) - 295.5 + 4 = 4631.125 - 295.5 + 4 = 4437.625$ . The value of  $f(x)$  at  $x=99.5$  is  $f(99.5) = \frac{1}{2}(99.5)^2 - 3(99.5) + 4 = \frac{1}{2}(9875.25) - 298.5 + 4 = 4720.125 - 298.5 + 4 = 4530.625$ . The value of  $f(x)$  at  $x=100.5$  is  $f(100.5) = \frac{1}{2}(100.5)^2 - 3(100.5) + 4 = \frac{1}{2}(10074.25) - 301.5 + 4 = 4810.125 - 301.5 + 4 = 4624.625$ . The value of  $f(x)$  at  $x=101.5$  is  $f(101.5) = \frac{1}{2}(101.5)^2 - 3(101.5) + 4 = \frac{1}{2}(10275.25) - 304.5 + 4 = 4901.125 - 304.5 + 4 = 4719.625$ . The value of  $f(x)$  at  $x=102.5$  is  $f(102.5) = \frac{1}{2}(102.5)^2 - 3(102.5) + 4 = \frac{1}{2}(10478.25) - 307.5 + 4 = 4993.125 - 307.5 + 4 = 4815.625$ . The value of  $f(x)$  at  $x=103.5$  is  $f(103.5) = \frac{1}{2}(103.5)^2 - 3(103.5) + 4 = \frac{1}{2}(10683.25) - 310.5 + 4 = 5086.125 - 310.5 + 4 = 4912.625$ . The value of  $f(x)$  at  $x=104.5$  is  $f(104.5) = \frac{1}{2}(104.5)^2 - 3(104.5) + 4 = \frac{1}{2}(10890.25) - 313.5 + 4 =$



F M G N H N  $\forall$  N

$\mu_1$   $\mu_1$   $\mu_2$  A

$\mu_1$  B; C  
 $\mu_2$  F  
D; E

F / M  
F - M

|F - M|

y

F > M

y

k

F > M

$U_F^s$

C

D

$F > M$

$U_i \quad i \quad f; m$

$\forall y_m \in \quad ; Y \quad \textcircled{R} y_m \quad \hat{A}y_m \quad \hat{A} Q \quad ;$

16

$F > M \quad \exists N > \quad G N / I$

$\mu$

F M

B; A

A; C

$\tilde{A}$

saals iTD 0.264 Tc (i) Tj 0.750 (D) 0.132 5c 2.5 Tj 0.6 0 TTD 0:1622Tc 4f) Tj 2.75Tf TD

B; C

Ã

D; E :

B; C

D; E





American Economic Review,

International Economic Review,

International Economic Review,

Journal of

Political Economy,

Asian Development Review,

Journal of Political Economy,





The Marital Contract Curve

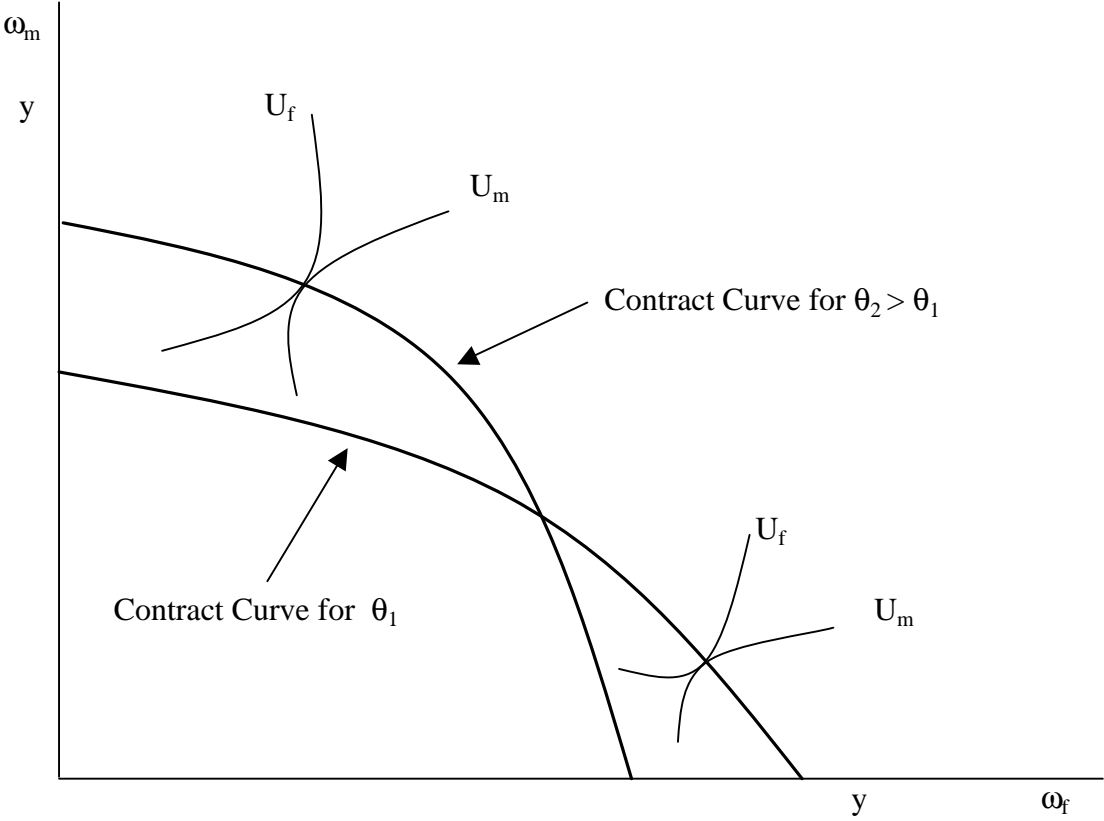




Figure 4:

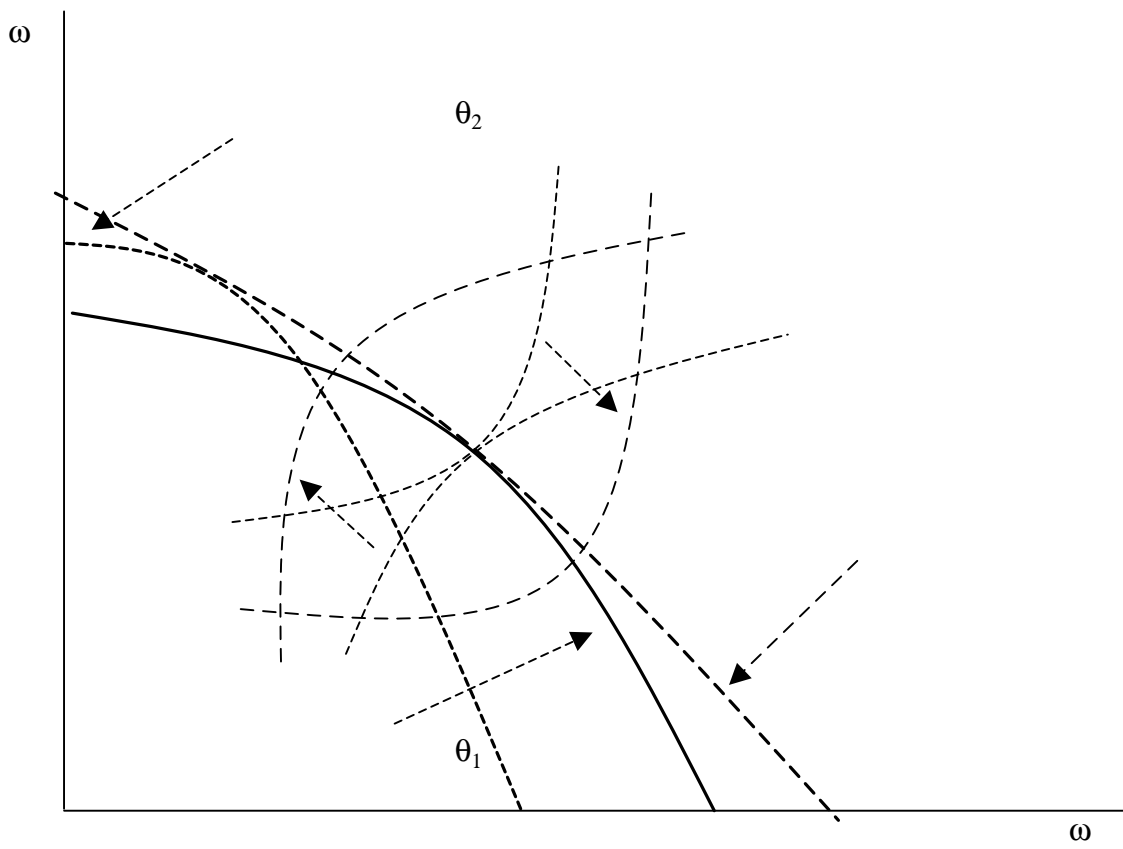
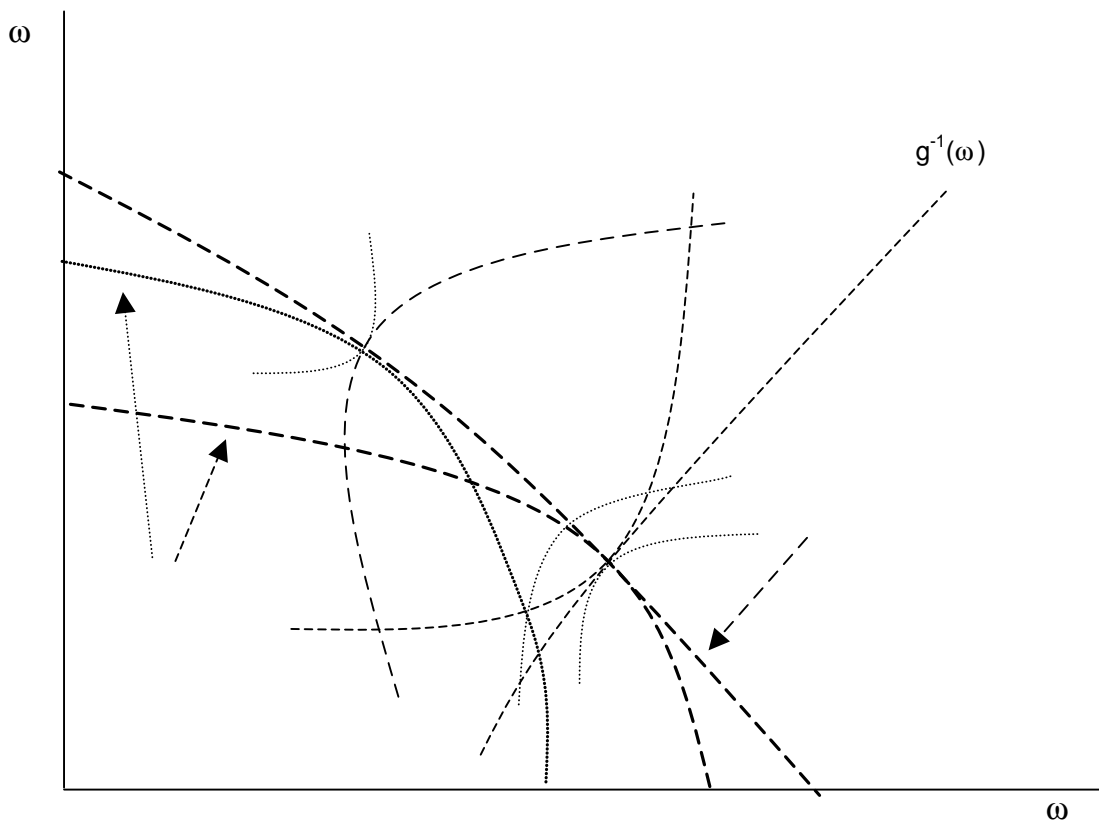
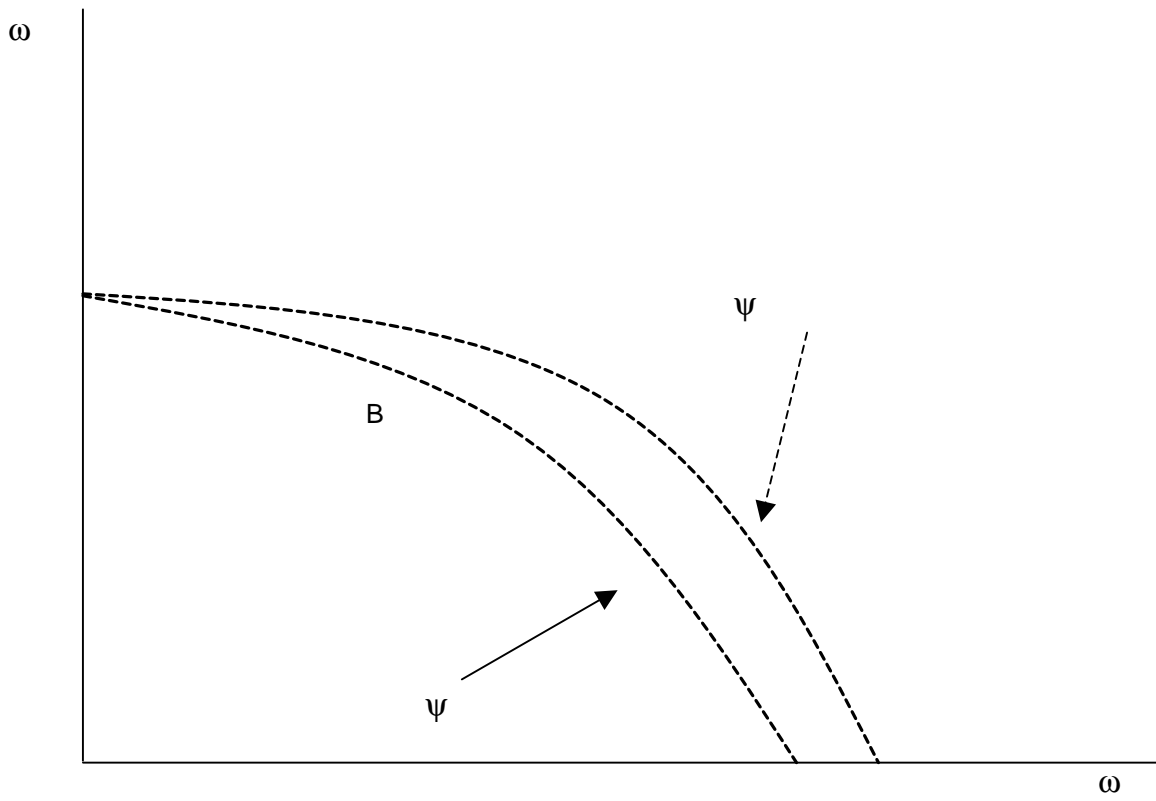
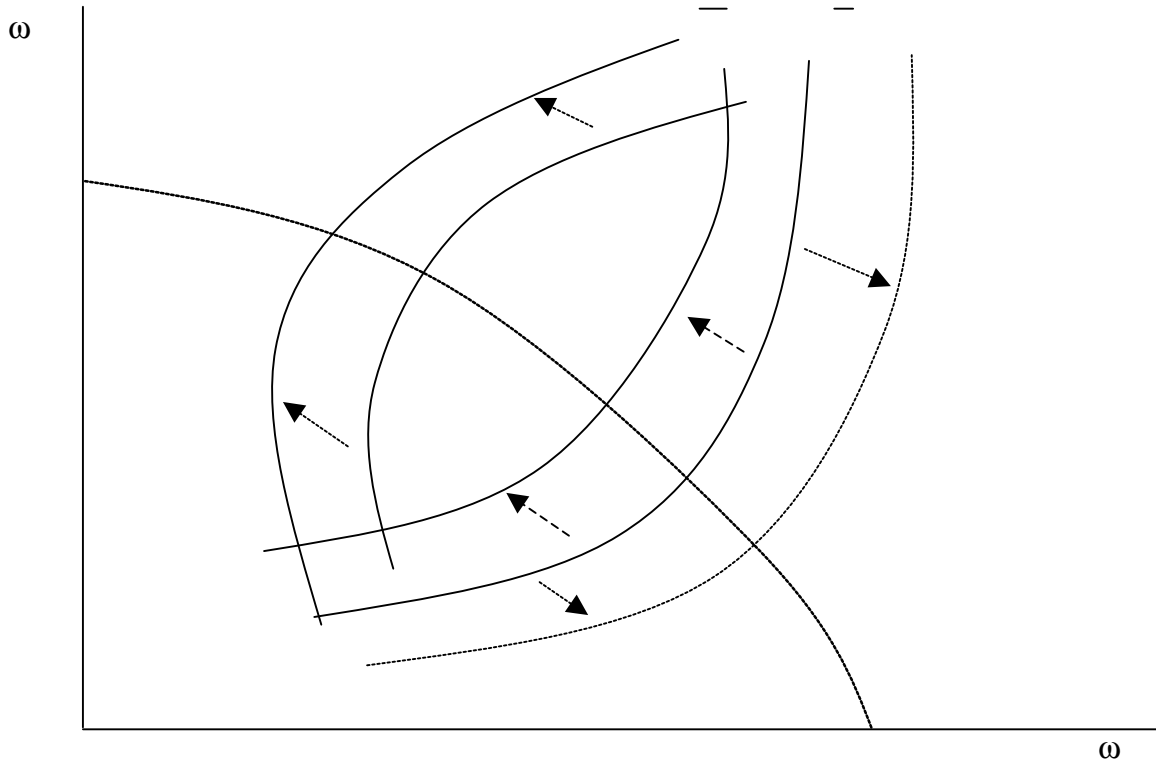


Figure 5:





The Effect of a Change in Distributional Factors (with a Marital Surplus,  $k > 1$ )

