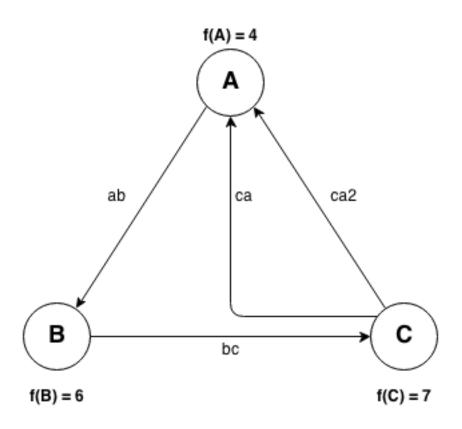
Computing debt cuts leading to global zero-equity - example

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- **ab** $(3, 0.14, \infty, 1),$
- \mathbf{bc} (2, 0.11, 4, 1.4),
- **ca** (2.5, 0.05, 6, 0.5),
- **ca2** $(1, 0.27, \infty, 1.7)$.

Equilibrium equation for node A:

$$\begin{split} \Xi(ab)e^{0.14(11.7-6)} - \Xi(ca) \Big(1 + \frac{0.05}{6}\Big)^{\lfloor 6(11.7-4)\rfloor} - \Xi(ca2)e^{0.27(11.7-4)} = \\ \frac{2.221\,\Xi(ab) - 1.464\,\Xi(ca) - 7.996\,\Xi(ca2)}{\mathfrak{C}_{T_G}(3e^{0.14(6-1)}, 0.14, \infty, 6) -} \\ \mathfrak{C}_{T_G}(2.5\Big(1 + \frac{0.05}{6}\Big)^{\lfloor 6(4-0.5)\rfloor}, 0.05, 6, 4) - \\ \mathfrak{C}_{T_G}(e^{0.27(4-1.7)}, 0.27, \infty, 4) = \\ \mathfrak{C}_{T_G}(6.041, 0.14, \infty, 6) - \mathfrak{C}_{T_G}(2.975, 0.05, 6, 4) - \mathfrak{C}_{T_G}(1.861, 0.27, \infty, 4) = \\ 13.417 - 4.358 - 14.881 = -5.822. \end{split}$$

Equilibrium equation for node B:

$$\Xi(bc)\left(1+\frac{0.11}{4}\right)^{\lfloor 4(11.7-7)\rfloor}-\Xi(ab)e^{0.14(11.7-6)}=\\ \frac{1.629\,\Xi(bc)-2.221\,\Xi(ab)}{(2\left(1+\frac{0.11}{4}\right)^{\lfloor 4(7-1.4)\rfloor}},0.11,4,7)-\mathfrak{C}_{T_G}(3e^{0.14(6-1)},0.14,\infty,6)=\\ \mathfrak{C}_{T_G}(3.632,0.11,4,7)-\mathfrak{C}_{T_G}(6.041,0.14,\infty,6)=\\ 3.632\left(1+\frac{0.11}{4}\right)^{\lfloor 4(11.7-7)\rfloor}-6.041e^{0.14(11.7-6)}=\\ 5.918-13.417=\\ -7.499$$

Equilibrium equation for node C:

$$\begin{split} \Xi(ca) \Big(1 + \frac{0.05}{6}\Big)^{\lfloor 6(11.7 - 4)\rfloor} + \Xi(ca2) e^{0.27(11.7 - 4)} - \Xi(bc) \Big(1 + \frac{0.11}{4}\Big)^{\lfloor 4(11.7 - 7)\rfloor} &= \\ \frac{1.464 \, \Xi(ca) + 7.996 \, \Xi(ca2) - 1.629 \, \Xi(bc)}{(0.05)^{\lfloor 6(4 - 0.5)\rfloor}} = \\ \mathfrak{C}_{T_G} \Big(2.5 \Big(1 + \frac{0.05}{6}\Big)^{\lfloor 6(4 - 0.5)\rfloor}, 0.05, 6, 4\Big) + \mathfrak{C}_{T_G} \Big(e^{0.27(4 - 1.7)}, 0.27, \infty, 4\Big) - \\ \mathfrak{C}_{T_G} \Big(2 \Big(1 + \frac{0.11}{4}\Big)^{4(7 - 1.4)}, 0.11, 4, 7\Big) &= \\ \mathfrak{C}_{T_G} \Big(2.976, 0.05, 6, 4\Big) + \mathfrak{C}_{T_G} \Big(1.861, 0.27, \infty, 4\Big) - \mathfrak{C}_{T_G} \Big(3.633, 0.11, 4, 7\Big) &= \\ 4.359 + 14.881 - 5.920 &= \\ 13.32 \end{split}$$