

which yield a fair CDS spread of roughly  
122 bps

c) The value of the contract to a buyer  
of a CDS spread is equal to

$$V_{\text{contract}} = \left( V_0^{\text{def}}(N) - V_0^{\text{prem}}(X_y; N) \right) \cdot 100'000'000$$

Plugging in Python gives a value of the  
contract of

$$V_{\text{contract}} = -1.56 \text{ million}$$