How does a rexMarket work?

1. Many Investors possess USDC and WETH on Polygon
2. They upgrade their USDC and WETH to USDCx and WETHx such that it can be streamed using Superfluid ([about](https://docs.ricochet.exchange/docs/superfluid#super-tokens))
3. Many investors have USDC streams going into a rexMarket (let’s say USDC<->WETH) with the intention of dollar-cost averaging into WETH
4. Many investors have WETH streams going into a rexMarket (let’s say USDC<->WETH) with the intention of dollar-cost averaging out of WETH into USDC.
5. USDC and WETH start accumulating in the rexMarket contract
   1. Say 1,000 USDC accumulated in the contract
   2. Say 0.1 WETH (worth 400 USDC) accumulated in the contract
6. Every 20 minutes, Ricochet’s keepers trigger the “*distribute*” function on the rexMarket contract. It does the following:
   1. Takes a 2% fee on accumulated tokens - so 20 USDC is transferred to Ricochet DAO and 0.002 WETH is transferred to Ricochet DAO
   2. Internal swap:
      1. *NOTE*: I’m not going to subtract out the above fee figures for these numbers to keep things simple
      2. The 0.1 WETH and ‘400 USDC’ inside the contact are “swapped” internally (not taken to Sushiswap)
      3. The remaining 600 USDC is swapped to 0.15 WETH on Sushiswap
      4. Now the contract has 400 USDC and 0.25 WETH.
   3. Distribute:
      1. The 400 USDC is distributed to investors streaming in WETH proportional to their stream rate
         1. What do you mean proportional? - Ex: If there are only two investors using the rexMarket where Investor A is streaming 10k/mo. and Investor B is streaming 30k/mo., Investor A would receive 100 USDC and Investor B would receive 300 USDC through the distribution.
      2. The .25 WETH is distributed to investors streaming in USDC proportional to their stream rate