Q1 | We model the orderbook as follows (Obviously it can be made in different ways):

In my model, in any other the number of share is between 20 and 200.

Also; the price for the limit orders are limited to $\{91, 92, \ldots, 114\}$

The probability for each order is $1/4$ buy-market, sell-market, buy-limit, sell-limit

In each order we have uniform distribution for the number of shares (and prices for limit orders)

Example $\text{Prob}(\text{buy-market}(i)) = \frac{1}{4} \cdot \frac{1}{180}$

$\text{Prob}(\text{buy-limit}(i,j)) = \frac{1}{4} \cdot \underbrace{\frac{1}{180}}_{[0,200]} \cdot \underbrace{\frac{1}{24}}_{\hookrightarrow \{91,\ldots,114\}}$.

We modeled it and implemented it, one can set the number of rounds and we display the order book.

Q2 | I implemented the code