**FRE6411-HW1**

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**Problem1：**

文本

描述已自动生成

**Problem2：**

Bond statistic are in the excel file, portfolio statistic are as follows.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | A | B | C | D |
| YTM | 1.94% | 1.57% | 1.46% | 1.04% |
| Duration | 22.62 | 11.23 | 7.54 | 3.94 |
| Convexity | 270.45 | 76.36 | 33.44 | 10.58 |

**Problem3:**

**Compare the computed Portfolio Duration and Convexity with the Duration and Convexity obtained as value weighted sum of the portfolio component.**

They are almost the same, the slight difference comes from the calculation accuracy error.

**Problem4:**

NA = -0.06

ND = -1.55

P\_final = -61 million