```
5. Exercise Six

A correlation Matriax: R_{200} = (r_{21} r_{22})^2 = (0.35 \text{ I})

A first calculate the proportation W_1, W_2

S_1W_1 = (1004 \times 200) / (1004 \times 200 + 1254 \times 100) = 61.54\%

S_1W_2 = (1254 \times 100) / (1004 \times 200 + 1254 \times 100) = 38.46\%

S_1W_2 = (1254 \times 100) / (1004 \times 200 + 1254 \times 100) = 38.46\%

Thus: E(R_p) = W_1 \cdot M_1 + W_2 \cdot M_2

= 61.54\% \times 0.11\% + 38.46\% \times 0.15\%

= 61.54\% \times 0.11\% + 38.46\% \times 0.15\% \times 0.15\%

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= 61.54\% \times 0.11\% + 38.46\% \times 0.15\% \times 0.15\% \times 0.15\%

= 61.54\% \times 0.15\% \times
```