

### Problem Set 4.i

|                   |                     |                |                     |
|-------------------|---------------------|----------------|---------------------|
| 1                 | 49,500.00 €         | 10 PV(96,1)    |                     |
|                   | 49,000.00 €         | 92.30769231    | 7.692%              |
|                   | 48,500.00 €         | 11 Nominal APR | 6%                  |
|                   | <b>147,000.00 €</b> | r              | 2.000%              |
| 2                 | <b>89,550.00 €</b>  | 100000         | 109,320.29 €        |
| a)                | <b>18.342%</b>      | 100000         | 116,011.57 €        |
| b)                | <b>20.076%</b>      | 100000         | 123,112.40 €        |
| 3.1               | <b>13.636%</b>      | 500000         | 492,500.00 €        |
| 3.2 N*=5.5 months | <b>14.454%</b>      |                | <b>840,944.26 €</b> |
| 4                 | 3,855.00 €          | 12             | <b>15,584.42 €</b>  |
|                   | <b>34.917%</b>      | 13             | 30000 29900         |
| 5                 | <b>20.357%</b>      |                | 30000 29800         |
| 6                 | <b>64.324%</b>      |                | 30000 29700         |
| 7.1               | <b>20,751.64 €</b>  |                | <b>89,400.00 €</b>  |
| 7.2               | <b>21,591.44 €</b>  | 14             | 30000 35            |
| 8.1               | <b>1,029.50 €</b>   |                | 40000 60            |
| 8.2               | <b>3,088.69 €</b>   |                | 135000 90           |
| 9                 | 3,230.60 €          | 205000         | 76.09756098         |
| 9.1               | <b>2.499%</b>       |                | <b>202,833.33 €</b> |
| 9.2               | <b>5,571.73 €</b>   |                |                     |