Exam of the course

Laboratory of Computer Science and Excel for Business

Exercise 1. Given the following financial cash-flow with constant *interest rate i*

0	1	2	3	4	5
2250	-650	-575	-510	-390	-270

find the *interest rate i* of the unit period $0 - 1$.

Exercise 2. Given the following financial cash-flow with constant *interest rate $i = 1.83\,\%$*

0	1	2	3	4	5
3820	-910	-865	x	-720	-635

find the amount of money x at time $t = 3$.

Exercise 3. Given the initial *loan $S = 8500$ €*, fill the table of the *french amortization* and the table of the *italian amortization* with a constant interest rate $i = 2.04\,\%$ and $n = 26$ periods, specifying the values at every time of the amounts of money R_k, C_k, I_k, D_k.

Exercise 4. Given the following financial operation, evaluate the *spot interest rates* and the *forward interest rates*