homework	type: colab or handwritten	similar exercise		
ex.5.1.2	handwritten + colab	ex.5.1.1	ex.5.1.1 PDF solution	https://langou.github.io/4650/5.1/exercise_ex_5_1_01 sauer3/exercise_ex_5_1_01 sauer3 sol_langou.pdf
ex.5.1.4	handwritten + colab	ex.5.1.3	ex.5.1.1 colab helper	https://colab.research.google.com/drive/1JjM3R-n9RK20R8_TDdKQQQSCZTk25vfA
			ex.5.1.3 PDF solution	https://langou.github.io/4650/5.1/exercise_ex_5_1_03 sauer3/exercise_ex_5_1_03 sauer3 sol_langou.pdf
			ex.5.1.3 colab helper	https://colab.research.google.com/drive/1rcWecA_rDytR9eCWrSuf2GpHAi0-Gt5P
ex.5.1.8	handwritten			
ex.5.1.10	handwritten			
ex.5.1.18	handwritten			
ex.5.1.20	handwritten			
cp.5.1.2	colab	cp.5.1.1	colab	https://colab.research.google.com/drive/1G-ZzaPqoDWDCliILG6K6lCHhhd1KIJji
ex.5.2.4.b	handwritten	ex.5.2.4.a	ex.5.2.4.a PDF solution	https://langou.github.io/4650/5.2/exercise_ex_5_2_04 sauer3/exercise_ex_5_2_04_a sauer3 sol_langou.pdf
			ex.5.2.4.a colab helper	https://colab.research.google.com/drive/190libB0ObBkh-uVgzJS-fZAHpD_-EFsO
ex.5.2.6.b	handwritten	ex.5.2.6.a	ex.5.2.6.a PDF solution	https://langou.github.io/4650/5.2/exercise_ex_5_2_06 sauer3/exercise_ex_5_2_06_a sauer3 sol_langou.pdf
			ex.5.2.6.a colab helper	https://colab.research.google.com/drive/1fTO6pJti-7le_69CSiZX1aipu2q64PWX
cp.5.2.1.a	colab			
cp.5.2.2.a	colab	cp.5.2.2.b	colab	https://colab.research.google.com/drive/1YLpRyGi7l5mHxKiKEiLKrd9t4ShNXTNc
ex.5.3.2.b	handwritten	ex.5.3.2.a	handwritten	https://langou.github.io/4650/5.3/exercise_ex_5_3_02 sauer3/exercise_ex_5_3_02_a sauer3 sol_langou.pdf
			colab helper	https://colab.research.google.com/drive/1YVuXc4AH7CFZRSSQVmQMIOVvdMnQRtcA
cp.5.3.1.a	colab	cp.5.3.1.b	colab	https://colab.research.google.com/drive/1amn0MJ1KGAYQ4CT6pPy4SICM5vU6TNMI?usp=sharing
cp.5.4.1.a	colab	cp.5.4.1.b	colab	https://colab.research.google.com/drive/1FmPqmj9bSpJZCqhqQTlaBHE7U98KcTns
ex.5.5.6.d	colab	ex.5.5.6.d	colab getting started	https://colab.research.google.com/drive/15lAP-ZoWHIBB1cFnjunA8lYU1bQB8A_
		ex.5.5.6.b	colab	https://colab.research.google.com/drive/1J84HfrV1V12Fvmq5ero4N4saOJd6h-gn