

	type: colab or handwritten	similar exercise		
homework				
ex.4.1.1.a	handwritten or typed	ex.4.1.1.b	ex.4.1.1.b PDF solution	https://langou.github.io/4650/4.1/exercise_ex_4_1_01_b_sauer3/exercise_ex_4_1_01_b_sauer3_sol_langou.pdf
ex.4.1.1.c			ex.4.1.1.b colab helper	https://colab.research.google.com/drive/1QmINOUhGT-_UtSpXJ9V5GUpDS99kDly
ex.4.1.2.a	handwritten or typed	ex.4.1.2.b	ex.4.1.1.b PDF solution	https://langou.github.io/4650/4.1/exercise_ex_4_1_02_b_sauer3/exercise_ex_4_1_02_b_sauer3_sol_langou.pdf
			ex.4.1.1.b colab helper	https://colab.research.google.com/drive/19z_bgBQjCaLlOA_0w3p6_K4Dg8edxQRm
ex.4.1.8.b	handwritten or typed	ex.4.1.8.a	ex.4.1.8.a PDF solution	https://langou.github.io/4650/4.1/exercise_ex_4_1_08_a_sauer3/exercise_ex_4_1_08_a_sauer3_sol_langou.pdf
			ex.4.1.8.a colab helper	https://colab.research.google.com/drive/1-t_9FiXuS5PlzpZeB3vVY6ixL5_6hf4d
ex.4.1.9.b	handwritten or typed	ex.4.1.9.a	ex.4.1.9.a PDF solution	https://langou.github.io/4650/4.1/exercise_ex_4_1_09_a_sauer3/exercise_ex_4_1_09_a_sauer3_sol_langou.pdf
			ex.4.1.9.a colab helper	https://colab.research.google.com/drive/1_rkgIFPEyktaBG3zKfu6q0lIKwVdZTo8
cp.4.1.5	colab		getting started	https://colab.research.google.com/drive/13gw6Vwiz6cQjx3lEIAJtnxC6vhabWkv
cp.4.2.6	handwritten or typed			https://colab.research.google.com/drive/1KQCChAXtFm-tQmeb9GvaHJPkkNDliarVY
cp.4.2.7	handwritten or typed			https://colab.research.google.com/drive/1DIFK_hsx23JiX1GF4BFuaNKctLG7FoeQ
cp.4.2.8	handwritten or typed			https://colab.research.google.com/drive/15l78g98Fkzl65f_C2uqjC8WCBzK31qT-
cp.4.2.9	colab + (handwritten or typed)		getting started	https://colab.research.google.com/drive/1juTBIIQWf06NjXEzScfy2Cnc4MPUJOS-
ex.4.3.2.b	handwritten or typed		ex.4.3.2.a PDF solution	https://langou.github.io/4650/4.3/exercise_ex_4_3_02_sauer3/exercise_ex_4_3_02_a_sauer3_sol_langou.pdf
			ex.4.3.2.a colab helper	https://colab.research.google.com/drive/1oezRRxhJYGH0nXGsb16oBf34wQo4TKhV
ex.4.3.7.b	handwritten or typed		ex.4.3.7.a PDF solution	https://langou.github.io/4650/4.3/exercise_ex_4_3_07_sauer3/exercise_ex_4_3_07_a_sauer3_sol_langou.pdf
			ex.4.3.7.a colab helper	https://colab.research.google.com/drive/18V9U-OvfbhAnlRA-FP34nMJoaaMHC1tk
ex.4.3.8.b	handwritten or typed		ex.4.3.8.a PDF solution	https://langou.github.io/4650/4.3/exercise_ex_4_3_08_sauer3/exercise_ex_4_3_08_a_sauer3_sol_langou.pdf
			ex.4.3.8.a colab helper	https://colab.research.google.com/drive/1cw4J2CTjjaPGahWJB55ujNKJmtEE4h5M
cp.4.3.6	colab		cp.4.3.5 colab	https://colab.research.google.com/drive/1gZqZ_Yyel9qsaShbrqfhuQgDjBg-Bfj
cp.4.5.1.b	colab	cp.4.5.1.a	cp.4.5.1.a colab	https://colab.research.google.com/drive/1yOIOFet1pjwBMRq1W6tNk-y6UGeTN0L1
cp.4.5.2.b	colab	cp.4.5.2.a	cp.4.5.2.a colab	https://colab.research.google.com/drive/1Yv1h2tUj3rnBQI9hMOAcE03-w3MXndV
cp.4.5.3.b	colab	cp.4.5.3.a	cp.4.5.3.a colab	https://colab.research.google.com/drive/166Q9rVkcLleNyagrZSYjMF_X6Vy1ZGG_
cp.4.5.4.b	colab	cp.4.5.4.a	cp.4.5.4.a colab	https://colab.research.google.com/drive/1FnI-aiNY6Umxq6Mq2254K9rS5h-oR78w
cp.4.5.8	colab		cp.4.5.7 colab getting started	https://colab.research.google.com/drive/1EbhqLTxqcl4fr5camz38xPzYHI75ATt https://colab.research.google.com/drive/12nKj0itmSnSnm186CFsadxYghhUe3BQ
cp.4.5.11.b	colab		cp.4.5.7 colab getting started	https://colab.research.google.com/drive/1EbhqLTxqcl4fr5camz38xPzYHI75ATt https://colab.research.google.com/drive/15twJmsgjdoJodiH7I9Mtb7ZQJ3GSmlEd