Task 1.

Stream	mCp	Inlet T	Final T	1.Law
H1	50	200	70	6500
H2	10	300	60	2400
C1	70	90	180	-6300
C2	15	40	220	-2700
				-100
CW		30	40	0
HPS		240	240	-100

The first law limits says that the minimum heating required is 100kW.

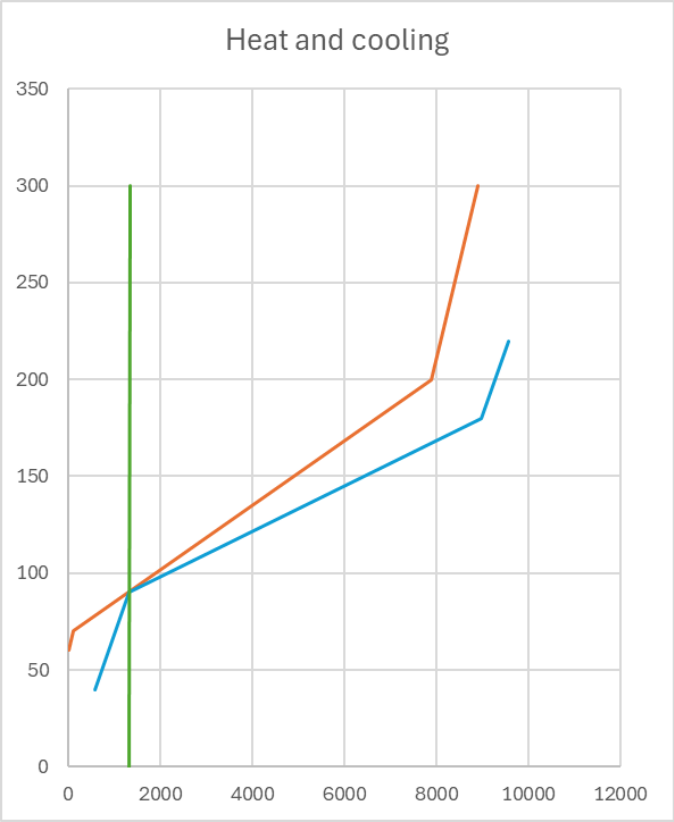
Task 2.

	delta T = 0	delta T = 10	delta T = 20
CW	570	1125	1750
LPS	670	1225	1850
Diff	-100	-100	-100

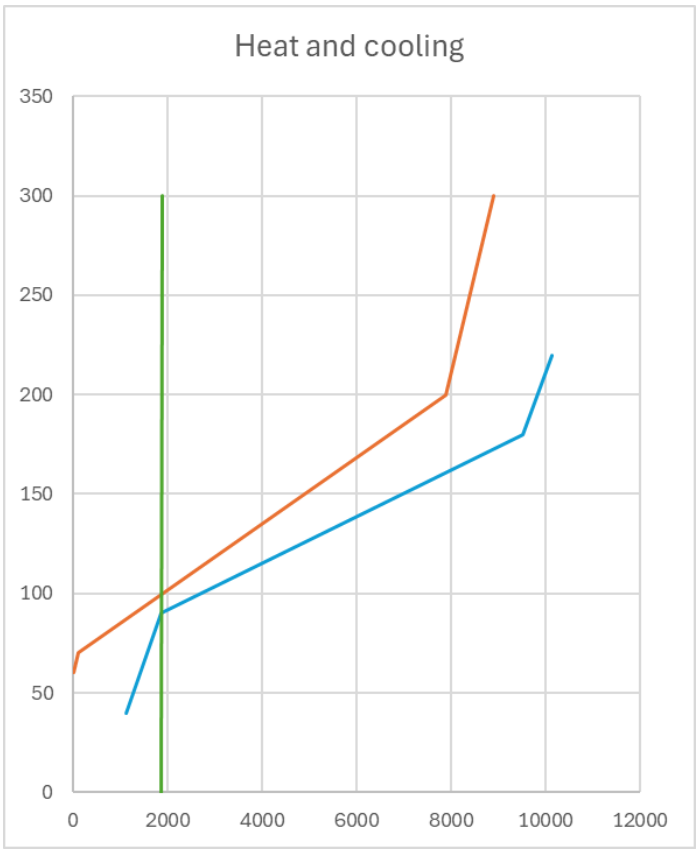
These are the energy targets for the streams.

The pitch points are found using guess and check.

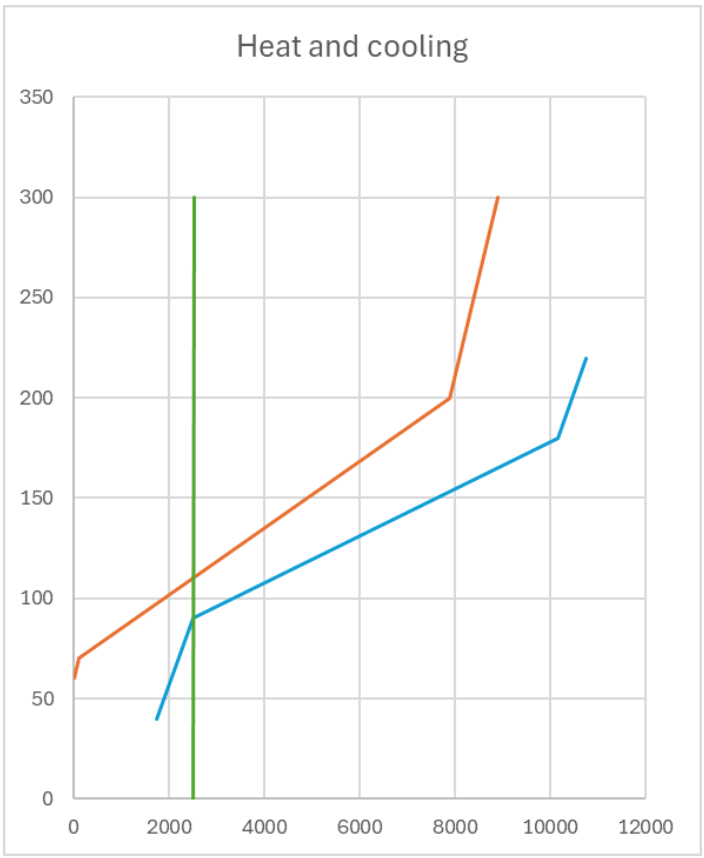
T_diff = 0



T_diff = 10



T_diff = 20

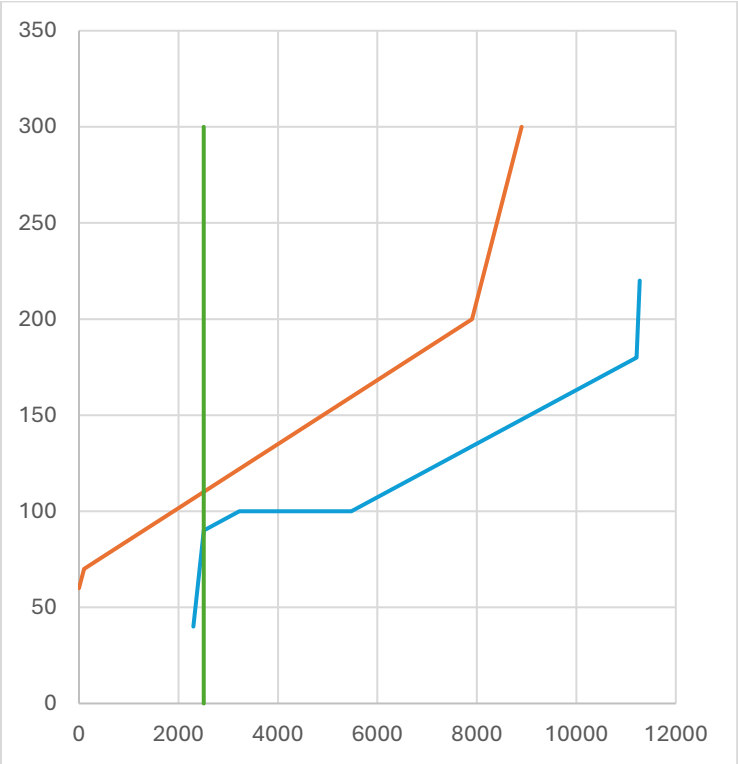


Task 3.

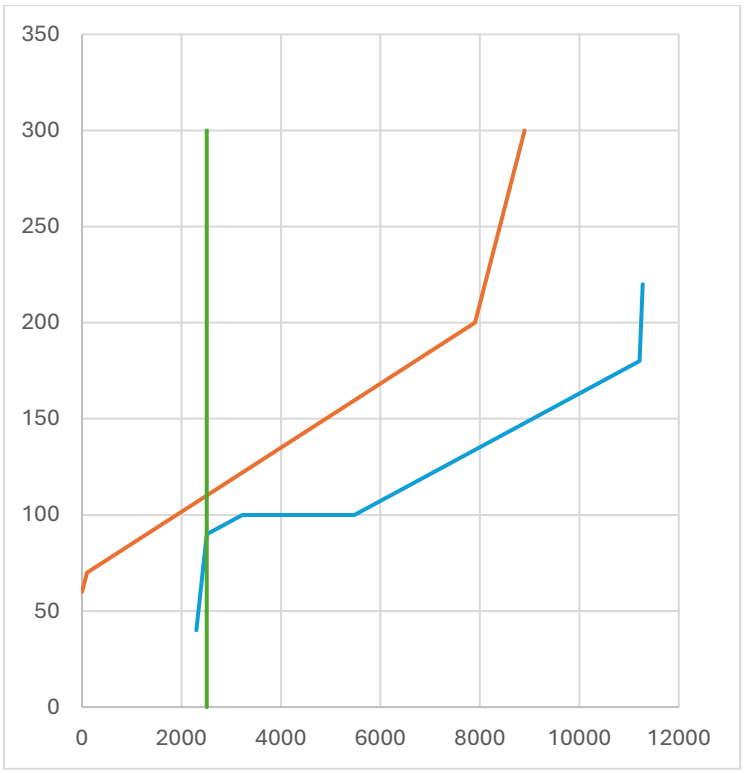
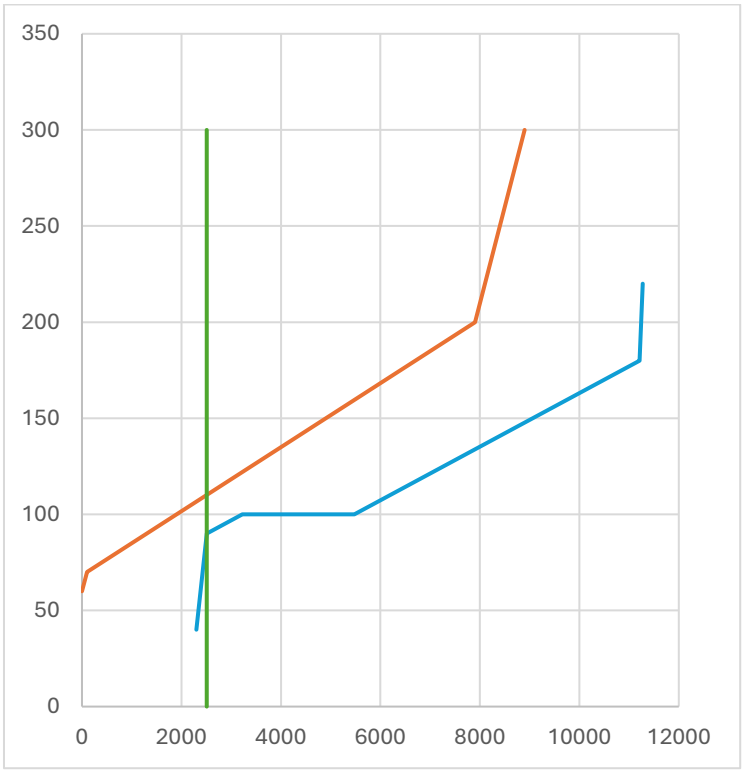
The Pinch is around around 1458,3 Duty

		delta T = 0	delta T = 10	delta T = 20
CW		1100	1700	2300
LPS		1175	1775	2375
Diff		-75	-75	-75

T_diff = 0



T_diff = 10



T_diff = 20