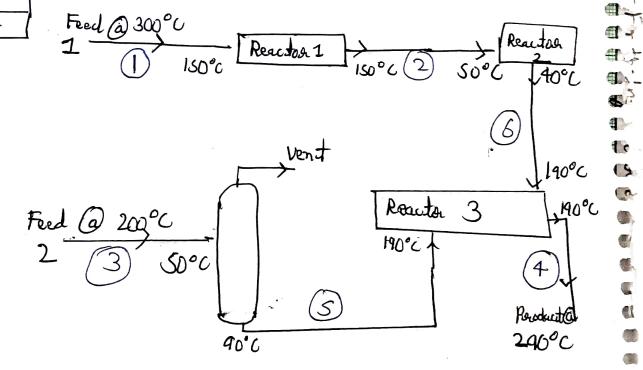
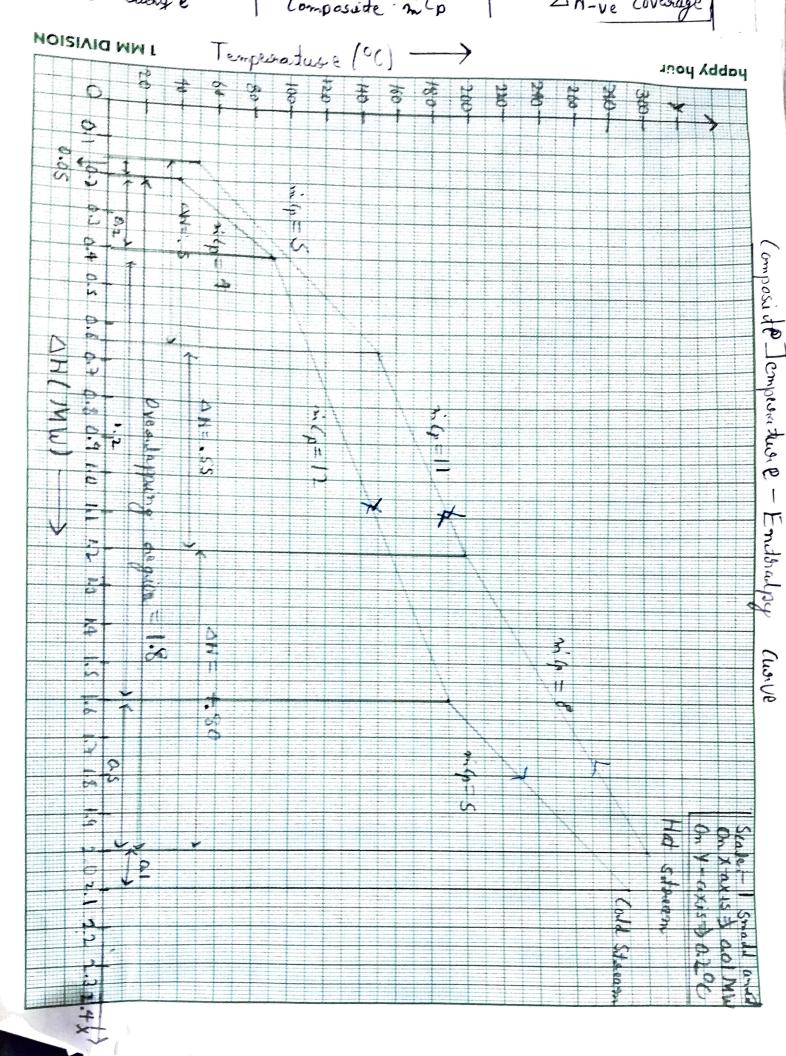
en

dry

m'Cp_
+8
+2
+ 3
.+5
8
. 4

$$\triangle H_{+}ve = +1900$$





6) To cadalate panch tommont In hot storeams: (M W) 1 H-ve Coverage Compassite micp Treang e £.800 200 - 300 _, SSD 150 - 200 - 500 50 -150 (MW) In cald stareons ? DH+ve Coverage Composite in Cp Turange 190-290 0.500 Q 1.200 90 - 190 0.200 4 40-90 Forom the greaph, We can see that DTmin = 10°C first Occur at the point when cald stream is at 90°C when we are bounging - alosed cto two situeams Chave together. An So, Pinch Amperature = 90°C Also from the graph, titististy Head Unit breating that Cooling Unit > 0.154W Heart exchangear doad => 1.8 MW Hot Outslity = 0.1MW Cold Utility = 0.05MW 71501 1 1000.2

b) To carlailate pinch temperature using Cascade proceduret

Sterean	Type	Ts	T_T	T*	T_T^*
1	Hot	300	150	295	145
2	Hot	150	50	145	45
3	Hat	200	50	195	45
4	Cold	190	290	195	295
5	Cold	90	190	95	195
6	Could	40	190	45	195_

To Interval Heart - Badances:

195 8 3 5 195 195 95 2 8 4 4 5 6

	Heart	Bailances	·
--	-------	-----------	---

	11000	ballances		*
	(°C)	ECPC-ECPH MW! KT	AHIntervial (MW)	Suaplus/ Deficit
	100	- 3x10 ⁻³	-0.3	Sumplus
	50	+1210-3	+0.05	Deficient
	<u></u>	7x10-3	to.35	Deficit
	SO	-1x10-3	- 0.03	Sweplus
-				,

13 Amin

