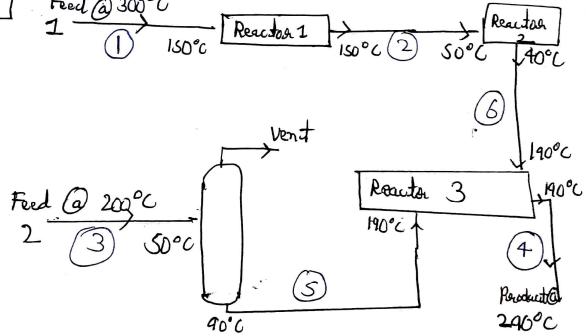
61				•	• • •	(KW)
Stream - Dia-	Flow Rate	(kJkg4)	Tin (°C)	Towt (°C)	Type	AH (MAL) (KJ)
1	10.00	0.8	300	150	Hod	-1200
2	2.50	0.8	150	So	toH	-200
3	3,00	1.0	200	SD	Hat	-450
4	6.25	0.8	190	290	Cold.	+500
5	10.00		90	[90]	Cold .	+800
6	4.00	1.0	40	190	Cold	+600

(S

n'Cp	
+8	١
+2	١
+ 3	١
+5	
8	
. 4	

$$\Delta H_{-ve} = -1850$$



6) To cadalade pancel tom no and

In host storeums:

(MW) △H-ve Coverage Compassite - miCp trang e D. 800 200 - 300 -,550 150 - 200 - 500 50 -150

In cald situeons :

cald situeons	-	(MW)
T	Composite in Cp	DH+ve Coverage
Turange 190-290	5	0.500
90-190	12	Qu 1.200
	1.	0.200
40-90	T	

Forom the greaph,

We can see that DTmin = 10°C first Occur at the point when cald situean is at 90°C when we are bounging - alosed to two situeams choice together.

An So, Pinch Imperature = 90°C

Also from the goraphy tratating Head Unit breating that Cooling Unit > 0.154W Heart exchangear doad => 1.8 MW Hot Octability = 0.1MW Could Octability = 0.05MW

b) To cadalate pinch temperature using Cascade proceduret

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

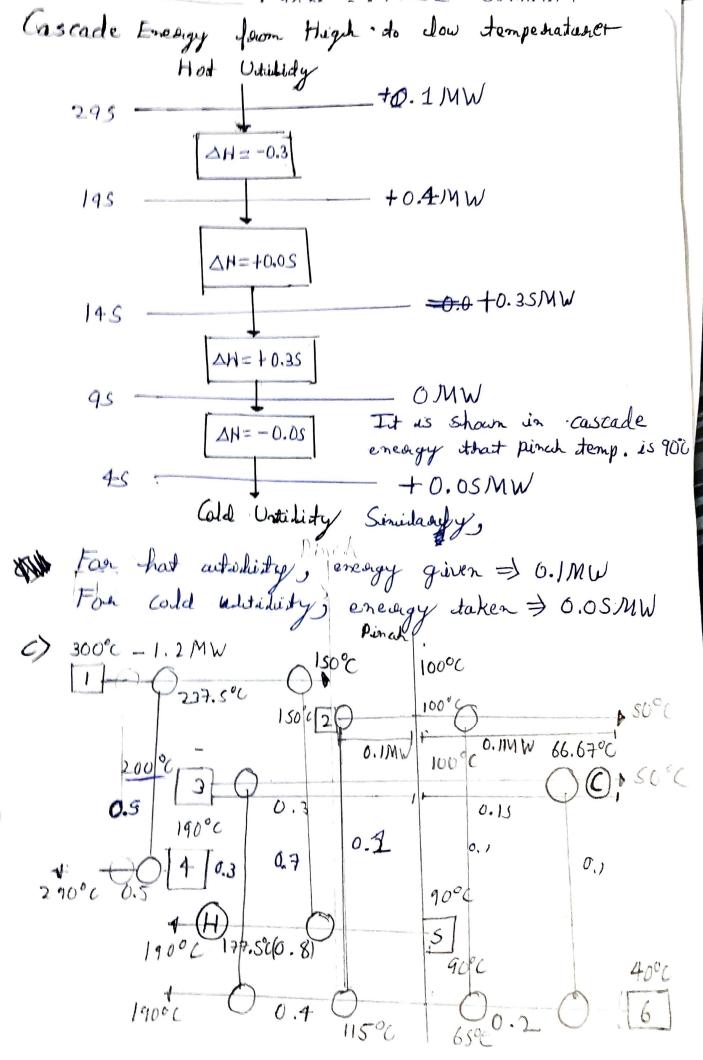
To Interval Heat - Badances:

295 2 3 4 195 2 3 4 195 45

· Heart Bailances in

_	11000	ballances		*
	△T(Interval) (°C)	ECPC-ECPH MW! KT	AH Intervial	Suaplus/ Deficit
	100	- 3x10 ⁻³	-0.3	Sumplus
	50	+1210-3	+0.05	Deficient
	<u></u> 30	7x10-3	to.35	Deficit
	SO	-1x10-3	-0.03	Sweplus
1		1		

13 Almin



A

