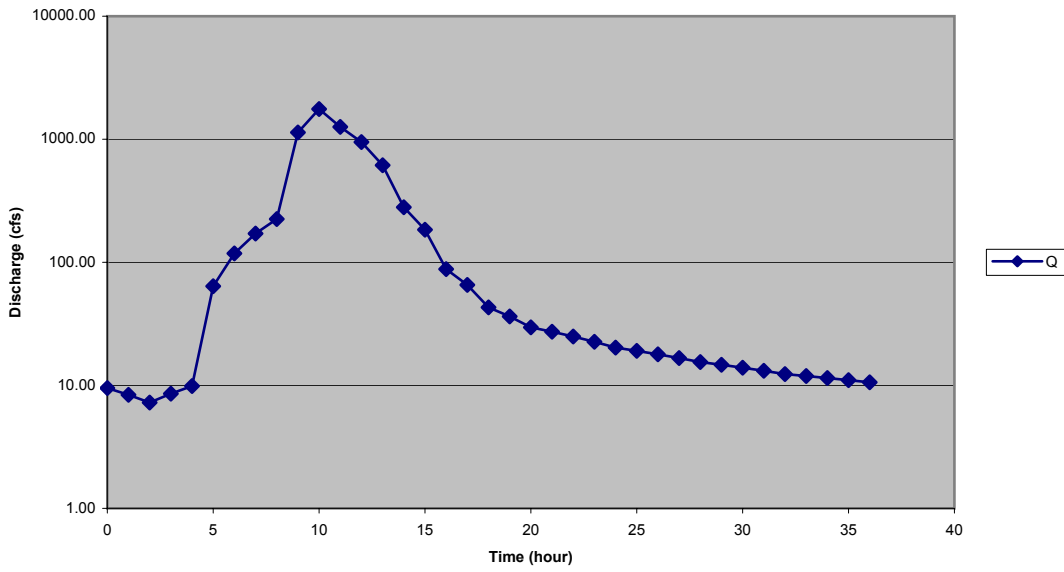


**Problem 19**

**Baseflow Separation for Ralston Creek flood (July 1972)**

Date	Time (hr)	[a, i] 2 pts	[a, ii] 1 pt	[b, i] 2 pts	[b, ii] 1 pt
		SL Qb (cfs)	SL DRH (cfs)	Filter Qb (cfs)	Filter DRH (cfs)
07/17/72	12.0	9.50	0.00	9.50	0.00
	12.5	8.37	0.00	8.37	0.00
	13.0	7.24	0.00	7.24	0.00
	13.5	7.83	0.72	7.24	1.31
	14.0	8.42	1.44	7.25	2.61
	14.5	9.01	54.92	7.30	56.63
	15.0	9.61	108.39	7.47	110.53
	15.5	10.20	161.05	7.75	163.50
	16.0	10.79	213.71	8.13	216.37
	16.5	11.38	1123.62	9.47	1125.53
	17.0	11.97	1748.03	12.35	1747.65
	17.5	12.56	1247.44	15.34	1244.66
	18.0	13.15	935.85	17.52	931.48
	18.5	13.75	600.76	19.05	595.45
	19.0	14.34	265.66	19.90	260.10
	19.5	14.93	169.07	20.33	163.67
	20.0	15.52	72.48	20.56	67.44
	20.5	16.11	49.39	20.67	44.83
	21.0	16.70	26.30	20.74	22.26
	21.5	17.29	19.01	20.78	15.52
	22.0	17.88	11.72	20.80	8.80
	22.5	18.48	8.79	20.82	6.45
	23.0	19.07	5.86	20.83	4.10
23.5	19.66	2.93	20.83	1.75	
07/18/72	0.0	20.25	0.00	20.25	0.00
	0.5	19.05	0.00	19.05	0.00
	1.0	17.86	0.00	17.86	0.00
	1.5	16.66	0.00	16.66	0.00
	2.0	15.46	0.00	15.46	0.00
	2.5	14.68	0.00	14.68	0.00
	3.0	13.90	0.00	13.90	0.00
	3.5	13.12	0.00	13.12	0.00
	4.0	12.34	0.00	12.34	0.00
	4.5	11.90	0.00	11.90	0.00
	5.0	11.46	0.00	11.46	0.00
	6.0	10.58	0.00	10.58	0.00

Flood Hydrograph (log plot)



[c] 2 pts  
Flood Hydrograph

