

$$C_1 = \frac{\Delta t - 2KX}{2K(I - X) + \Delta t} = \frac{6 - 2 \cdot 12 \cdot 0.2}{2 \cdot 12(1 - 0.2) + 6} = \frac{1.2}{25.2} = \mathbf{0.047619}$$

$$C_2 = \frac{\Delta t + 2KX}{2K(I - X) + \Delta t} = \frac{10.8}{25.2} = \mathbf{0.428571}$$

$$C_3 = \frac{2K(I - X) - \Delta t}{2K(I - X) + \Delta t} = \frac{13.2}{25.2} = \mathbf{0.52381}$$

$$Q_{j+1} = C_1 I_{j+1} + C_2 I_j + C_3 Q_j$$

t	inflow	0.048I ₂	0.43I ₁	0.524Q ₁	outflow
0	10				10
		0.96	4.3	5.24	
6	20				10.5
		2.4	8.6	5.502	
12	50				16.502
		2.88	21.5	8.647048	
18	60				33.02705
		2.64	25.8	17.30617	
24	55				45.74617
		2.16	23.65	23.97099	
30	45				49.78099
		1.68	19.35	26.08524	
36	35				47.11524
		1.296	15.05	24.68839	
42	27				41.03439
		0.96	11.61	21.50202	
48	20				34.07202
		0.72	8.6	17.85374	
54	15				27.17374