

**IMPLICIT**

**y = 3 ft** 3  
**b = 3 ft** 3  
**H<sub>L</sub> = h<sub>1</sub> = 8.2 ft** 8.2 (S dy<sup>2</sup>)<sup>2</sup>+(S dy<sup>2</sup>)/(T dt)  
**H<sub>R</sub> = h<sub>5</sub> = 3.6 ft** 3.6 K and Ss 1.0713 3.071  
**K = 0.02 ft/day T = 0.06 ft<sup>2</sup>/dε** 0.06 0.02  
**s = 0.00033 ft<sup>-1</sup> S = 0.001** 1E-03 0.00033

initially, h<sub>1</sub> = h<sub>2</sub> = h<sub>3</sub> = h<sub>4</sub> = h<sub>5</sub> = 8.2 ft

for t>0 h<sub>5</sub> = 3.6 ft change yellow cell to time step size

**Time Increment (days)**

0.14			h1	h2	h3	h4	h5			% MB
<b>pre 0</b>			8.2	8.2	8.2	8.2	8.2			(in-out)*100
0	vol in	storage	8.2	8.2	8.2	8.2	3.6	vol out	in	(in+out)/2
0.14	0.00056	0.0076	8.2	8.00	7.58	6.50	3.6	0.008122	0.008122	
0.28	0.00126	0.0047	8.2	7.75	7.03	5.73	3.6	0.005963	0.005963	-1.6E-13
0.42	0.00186	0.003	8.2	7.54	6.64	5.33	3.6	0.004855	0.004855	-3.752E-13
0.56	0.00230	0.0019	8.2	7.38	6.38	5.11	3.6	0.004231	0.004231	-4.1E-14
0.7	0.00262	0.0012	8.2	7.27	6.21	4.98	3.6	0.003858	0.003858	1.0117E-13
0.84	0.00282	0.0008	8.2	7.19	6.10	4.90	3.6	0.003627	0.003627	-2.63E-13
0.98	0.00296	0.0005	8.2	7.14	6.03	4.84	3.6	0.003482	0.003482	-3.986E-13
1.12	0.00305	0.0003	8.2	7.11	5.98	4.81	3.6	0.003388	0.003388	-3.328E-13
1.26	0.00311	0.0002	8.2	7.09	5.95	4.79	3.6	0.003329	0.003329	-3.518E-13
1.4	0.00315	0.0001	8.2	7.08	5.94	4.78	3.6	0.003290	0.00329	-2.636E-13

matrix	8.2	-3.07	1	0	-8.785
		1	-3.07	1	-8.785
		0	1	-3.07	3.6
		-3.07	1.00	0.00	-16.985
		1.00	-3.07	1.00	-8.785
		0.00	1.00	-3.07	-12.385

**layout matrix function  
cntrl shift enter**

h=A<sup>-1</sup> R  
Ainverse \* R

0.14	h2	7.999	-0.3694	-0.135	-0.04	-16.985
	h3	7.581	-0.1345	-0.413	-0.13	-8.785
	h4	6.501	-0.0438	-0.135	-0.37	-12.385
0.28	h2	7.75	-0.3694	-0.135	-0.04	-16.76897
	h3	7.033	-0.1345	-0.413	-0.13	-8.121837
	h4	5.73	-0.0438	-0.135	-0.37	-10.56442
0.42	h2	7.536	-0.3694	-0.135	-0.04	-16.50255
	h3	6.644	-0.1345	-0.413	-0.13	-7.534858
	h4	5.334	-0.0438	-0.135	-0.37	-9.738319
0.56	h2	7.377	-0.3694	-0.135	-0.04	-16.27375
	h3	6.383	-0.1345	-0.413	-0.13	-7.117555
	h4	5.111	-0.0438	-0.135	-0.37	-9.314291
0.7	h2	7.266	-0.3694	-0.135	-0.04	-16.10316
	h3	6.213	-0.1345	-0.413	-0.13	-6.838736
	h4	4.978	-0.0438	-0.135	-0.37	-9.075603
0.84	h2	7.191	-0.3694	-0.135	-0.04	-15.98427
	h3	6.103	-0.1345	-0.413	-0.13	-6.656322

0.98	h4	4.895	-0.0438	-0.135	-0.37	-8.932952
	h2	7.142	-0.3694	-0.135	-0.04	-15.90423
	h3	6.031	-0.1345	-0.413	-0.13	-6.537875
1.12	h4	4.843	-0.0438	-0.135	-0.37	-8.844628
	h2	7.11	-0.3694	-0.135	-0.04	-15.85134
	h3	5.985	-0.1345	-0.413	-0.13	-6.461177
1.26	h4	4.81	-0.0438	-0.135	-0.37	-8.788847
	h2	7.089	-0.3694	-0.135	-0.04	-15.81673
	h3	5.955	-0.1345	-0.413	-0.13	-6.411562
1.4	h4	4.789	-0.0438	-0.135	-0.37	-8.753235
	h2	7.075	-0.3694	-0.135	-0.04	-15.79422
	h3	5.935	-0.1345	-0.413	-0.13	-6.379478
	h4	4.775	-0.0438	-0.135	-0.37	-8.730367

