												Мар	of node an	d cell nur	mbers		
		num cells	z	K zone cell	K cell	Н	q	zone 1	zone 2	zone 3							
ne 1	0.0004	12								_			node	cell			
ne 2	0.01	0	60	1 1	4E-04			1	0	0		1	-		1		
ne 3	0.0001	0	55	1 1			0.00067	1	U	0		2			2		
	0.0004	-	50	1			0.00067	1	0			3	-		3		
q	0.0004		45	1		74.9895		1	0	0		4	-		4		
	0.000667		40	1		66.6542				-		5	-		5		
			35	1		58.3199		1	0	0		6	-		6		
			30	1		49.9866		1	0	0		- (7		
			25	1		41.6542		1	0	0		8			8		
			20 15	1		33.3225		1	0	-		9	-		9 10		
			10	1		24.9915 16.6608		1	0	0		11			11		
			5	-		8.33042			0	0		12			12		
			0		4E-04		0.00067		0	0		13			13		
			U		4⊏-04	U	0.00067		U	U		Ю			13		
Elevation above Base	/	/	/				Elevation above Base 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						Create a 1D, vertical steady state model with constant head top and bottom boundaries. Show, based on the flux with depth, that the model is steady state. Repeat this for a homogeneous and for a heterogeneous column. Show that the steady state flux agrees with the direct calculation based on the harmonic mean average K. Show the steady state head profile for a column with approximately equal-thickness layers with different K value. Use this profile to explain why the equivalent hydraulic conductivity, Keq, is closer to the lower of the K values.				
0		0 40	60 draulic Head	80	100	00	0 1	0.002	0.004 Downware	0.006	0.008 0.01						