

Householder Aufgabe 4.6

			1	-1	1	
			1	1	3	
			1	2	3	$\alpha_1 = 1.73205$
2.73205	1	1	(4.73205)	0.267949	8.73205	$\beta_1 = 0.211325$
		0.57735	-1.73205	-1.1547	-4.04145	
		0.211325	0	0.943376	1.1547	
		0.211325	0	1.94338	1.1547	$\alpha_2 = 2.16025$
	3.10362	1.94338		(6.70459)	5.82777	$\beta_2 = 0.149152$
			-1.73205	-1.1547	-4.04145	1.85714
		0.46291	0	-2.16025	-1.54303	0.714286
		0.289857	0	0	-0.534522	$res = 0.534522$

Householder Aufgabe 4.9

			1	1	1	
			3	1	0.901388	
			4	1	0.613706	$\alpha_1 = 5.09902$
6.09902	3	4	(31.099)	13.099	11.258	$\beta_1 = 0.0321554$
		0.196116	-5.09902	-1.56893	-1.20788	
		0.0964661	0	-0.263611	-0.184628	
		0.128621	0	-0.684814	-0.834315	$\alpha_2 = -0.733799$
	-0.99741	-0.684814		(0.731899)	0.755501	$\beta_2 = 1.36631$
			-5.09902	-1.56893	-1.20788	-0.117414
		-1.36277	0	0.733799	0.844946	1.15147
		-0.935668	0	0	-0.127417	$res = 0.127417$