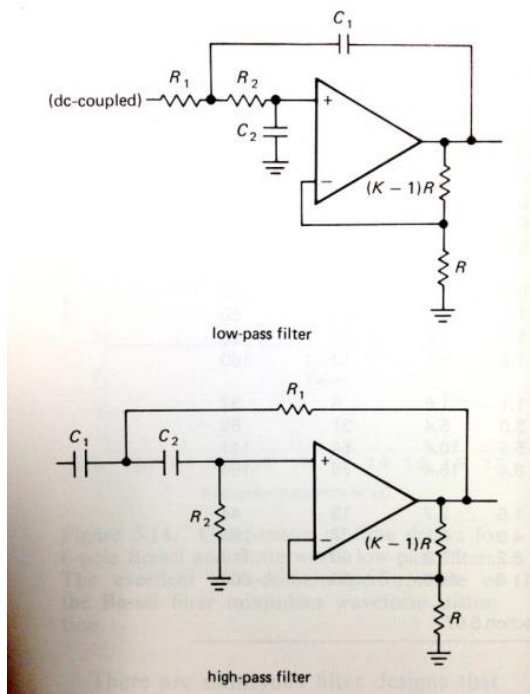


Using the table and figures provided below, design a 6 pole, 2dB high pass Chebyshev filter and simulate it in PSpice.

TABLE 5.2. VCVS LOW-PASS FILTERS

Poles	Butterworth K	Bessel		Chebyshev (0.5dB)		Chebyshev (2.0dB)	
		f_n	K	f_n	K	f_n	K
2	1.586	1.272	1.268	1.231	1.842	0.907	2.114
4	1.152	1.432	1.084	0.597	1.582	0.471	1.924
	2.235	1.606	1.759	1.031	2.660	0.964	2.782
6	1.068	1.607	1.040	0.396	1.537	0.316	1.891
	1.586	1.692	1.364	0.768	2.448	0.730	2.648
	2.483	1.908	2.023	1.011	2.846	0.983	2.904
8	1.038	1.781	1.024	0.297	1.522	0.238	1.879
	1.337	1.835	1.213	0.599	2.379	0.572	2.605
	1.889	1.956	1.593	0.861	2.711	0.842	2.821
	2.610	2.192	2.184	1.006	2.913	0.990	2.946



Figures from *The Art of Electronics*, 2nd Edition by Paul Horowitz and Winfield Hill.