

In[2]:= Manipulate[  
RootLocusPlot[k / (s (s + 1) (s + 2)), {k, 0, 8}, PlotRange → All, AspectRatio → 1,  
PoleZeroMarkers → {Automatic, "ParameterValues" → kval}], {kval, 0, 8}]

Out[2]=

