**Problem 7: (30 points)**

Obtain the cascade realization of system function 𝐇(𝐳) = (𝟏 + 𝟐𝐳 −𝟏 − 𝐳 −𝟐 )(𝟏 + 𝐳 −𝟏 − 𝐳 −𝟐 ) Build this filter using basic building blocks in Simulink. Make this a reference model.

