QUESTION

Plot how much a pipeline processor is expected to be faster than a scalar processor when the number of the executed instructions is increased from 1 to $\infty$. Show your plot for $k$ (the depth of the datapath) = 5 and 10.

Note: It is your responsibility to visualize (or emphasize) the essential characteristics in the plots (“nothing wrong” does not necessarily brings you full credit, if such characteristics are not shown or emphasized.)