In a recent paper a quasi-nonlocal coupling method was introduced to couple a nonlocal diffusion model directly with the classical local diffusion in one dimensional space. This new coupling framework removes interfacial inconsistency, ensures the flux balance, and satisfies the maximum principle. However, the numerical scheme proposed in that paper does not maintain all of these properties on a discretization level. In this talk we resolve this issue with a new first order scheme that provides first order consistency, stability, and the maximum principle throughout the entire domain including the transitional region. These scheme properties are rigorously proved and numerically confirmed via a series of benchmark examples. (Received September 16, 2019)