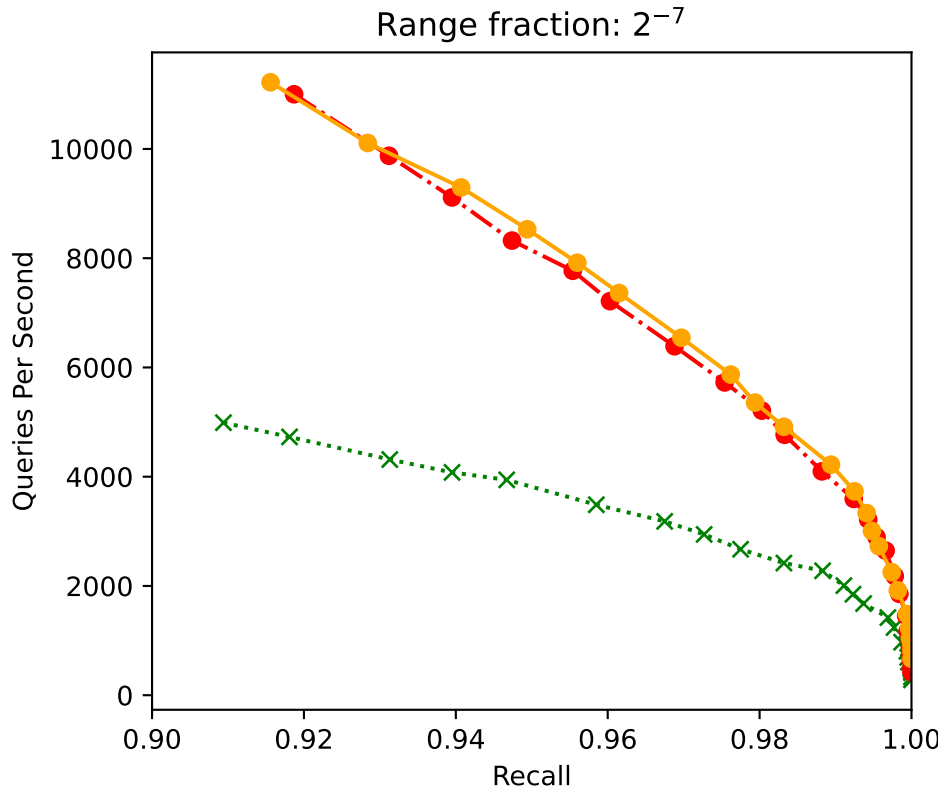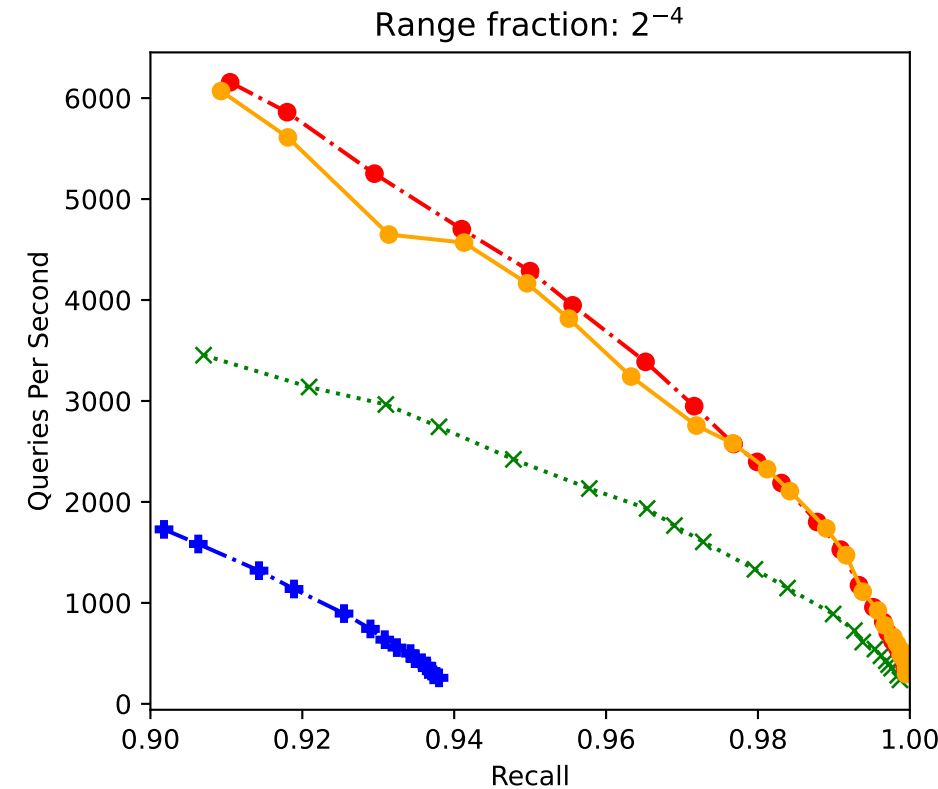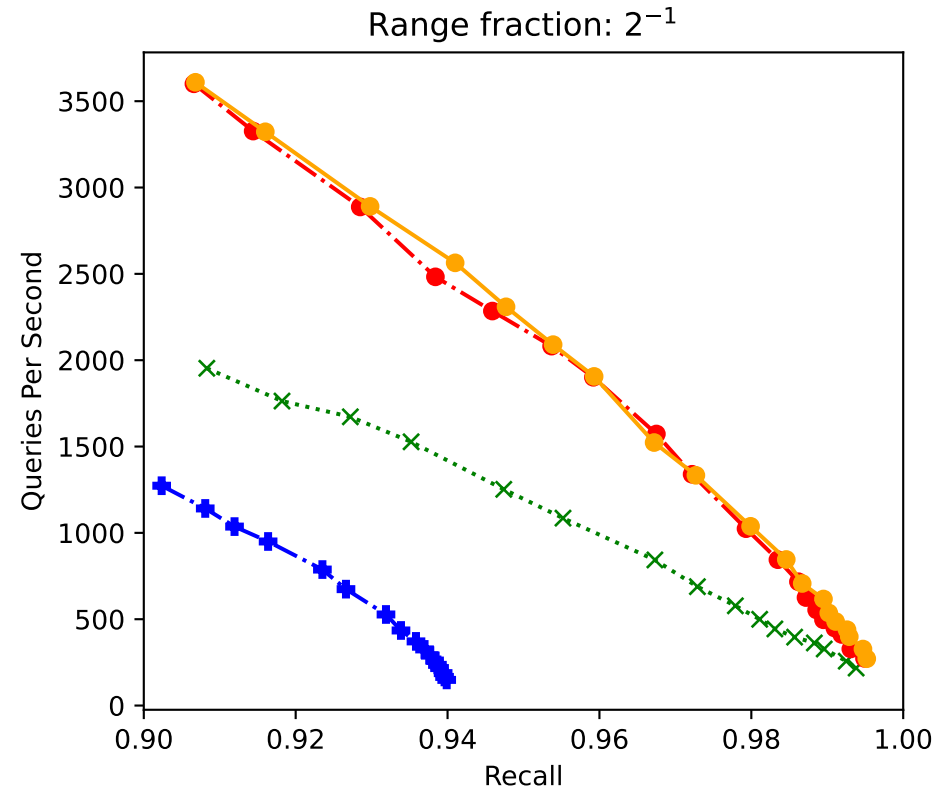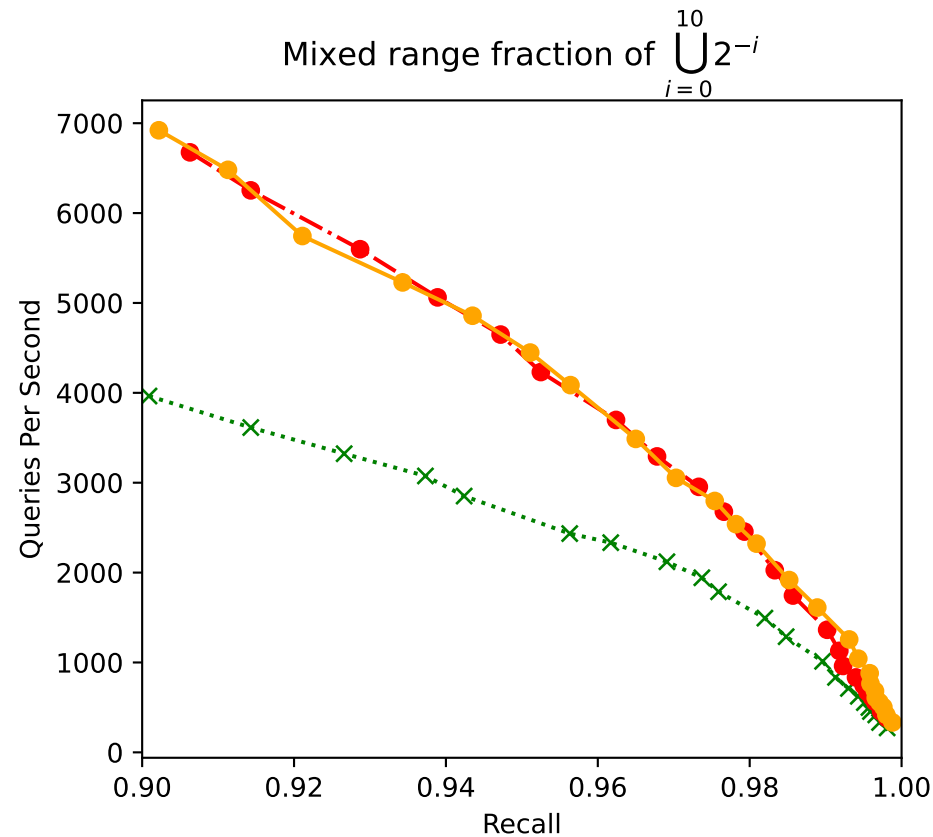deep10m k=10