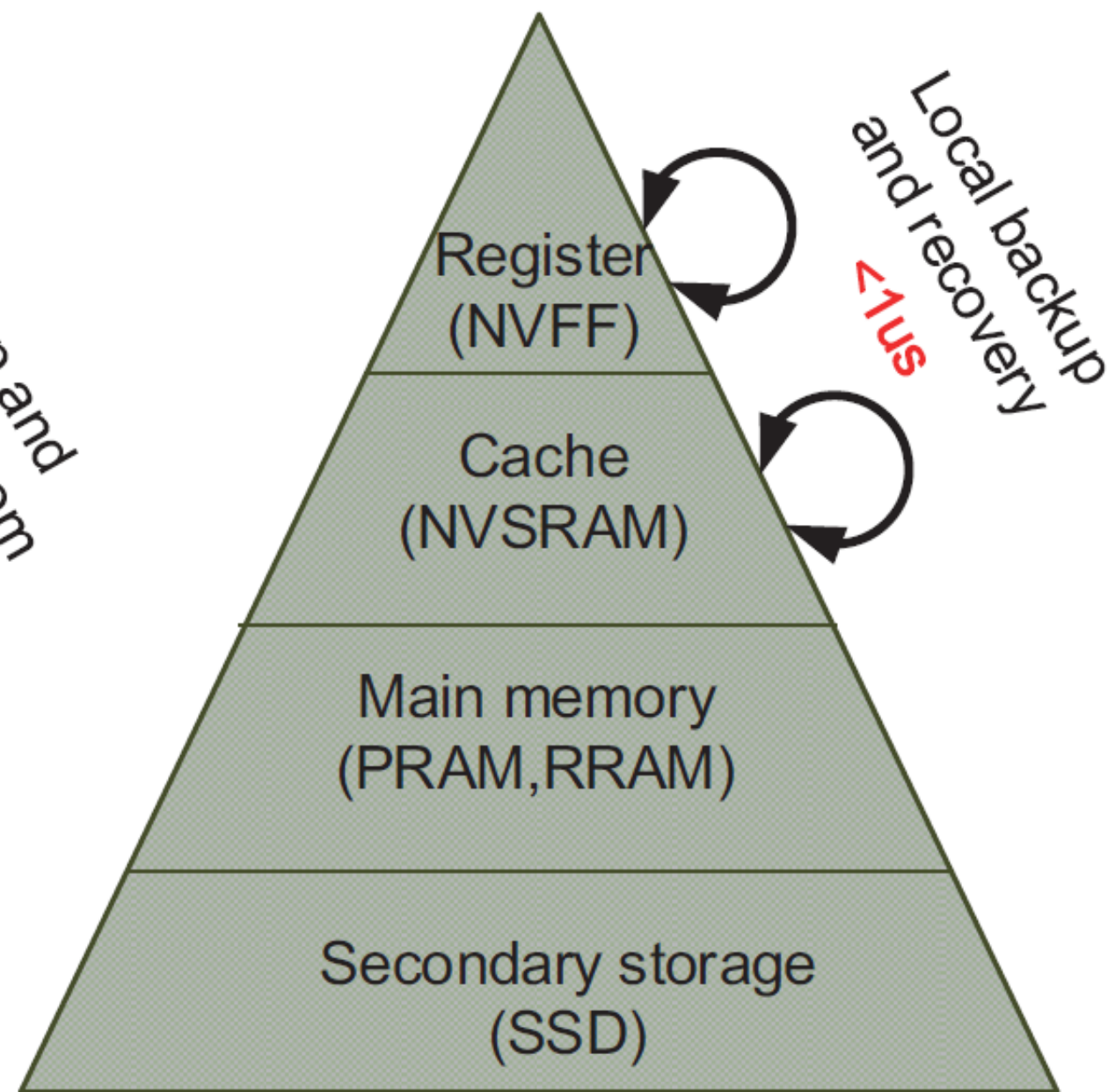


(a) Conventional memory hierarchy and data backup scheme



(b) New memory hierarchy and data backup scheme