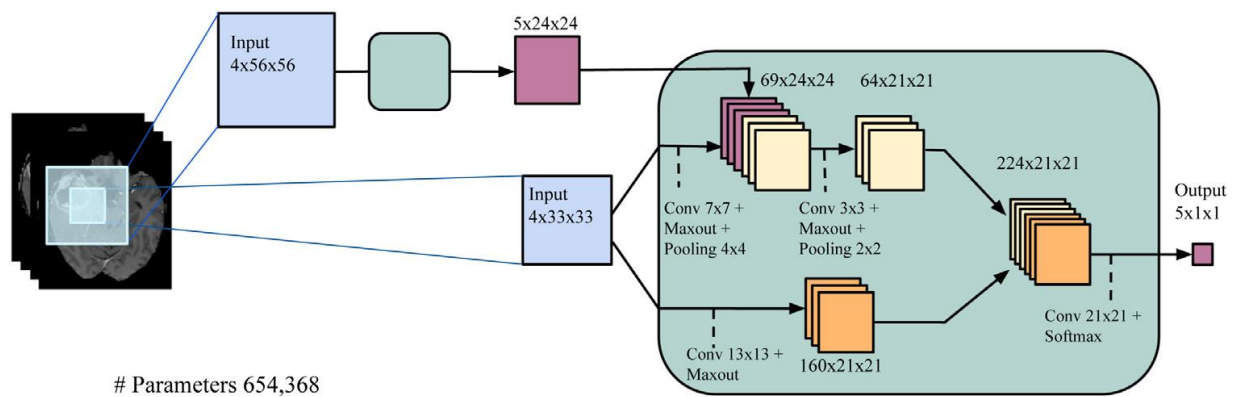
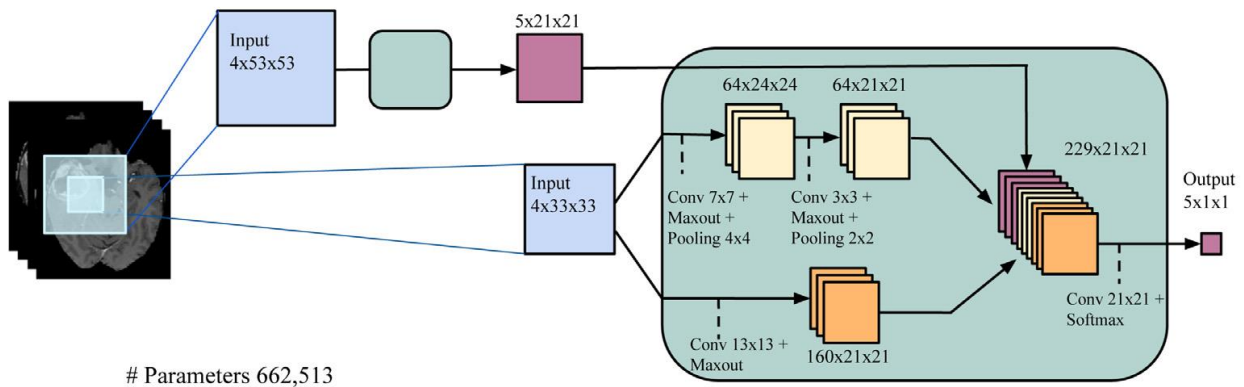


(a) Cascaded architecture, using input concatenation (INPUTCASCADECNN).



(b) Cascaded architecture, using local pathway concatenation (LOCALCASCADECNN).



(c) Cascaded architecture, using pre-output concatenation, which is an architecture with properties similar to that of learning using a limited number of mean-field inference iterations in a CRF (MFCASCADECNN).