

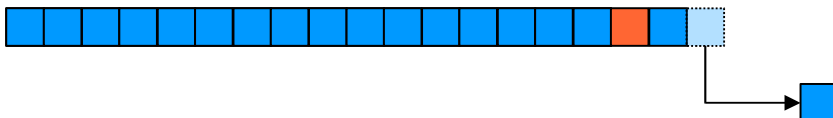
Example 1: Good quality read

■ Base with quality $>Q_H$

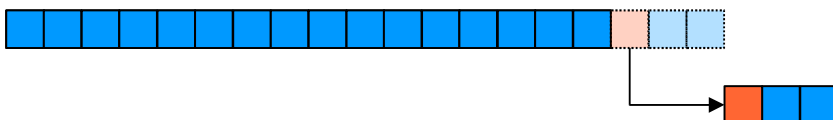
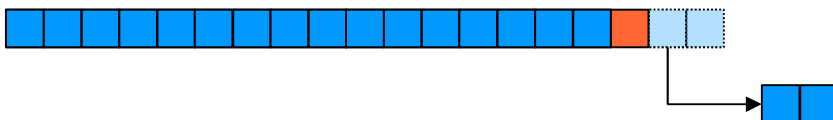
■ Base with quality $<Q_H$



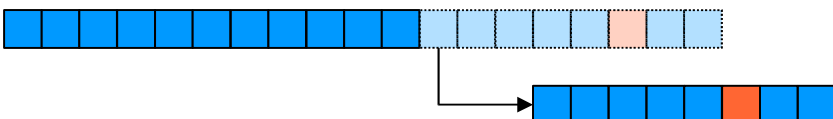
Trim bases with quality less than Q_H



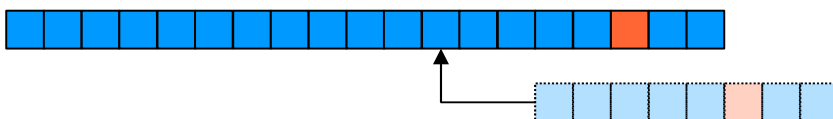
Save high quality bases temporarily



Up to n_L consecutive low quality bases can also be saved temporarily



When n_H consecutive bases are found the trimming is terminated



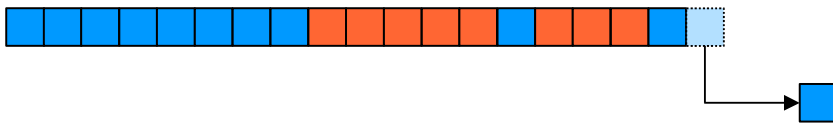
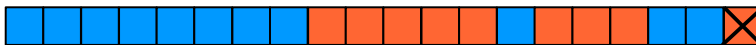
Temporarily saved bases are added back to the read.

Example 2: Poor quality read

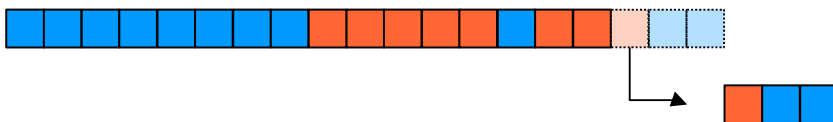
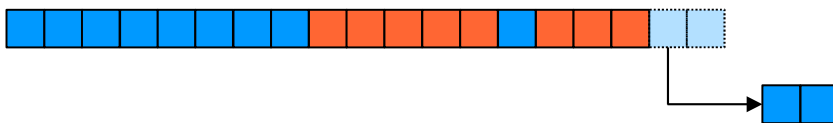
- Base with quality $> Q_H$
- Base with quality $< Q_H$



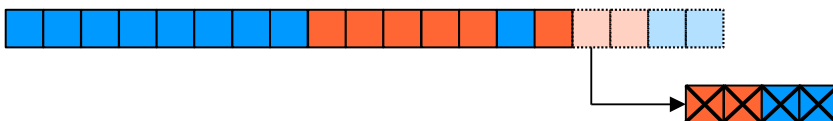
Trim bases
with quality
less than Q_H



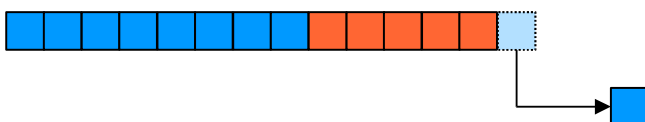
Save high
quality bases
temporarily



More than n_L
consecutive low
quality bases –
remove temporarily
saved bases



Start the process
over again



Continue either until
finding n_H consecutive
bases, or the length of
the read reaches L