



```
MidiList& MidiClip::getSequenceLooped() const
  if (! isLooping())
       return getSequence();
   if (cachedLoopedSequence == nullptr)
        cachedLoopedSequence = createSequenceLooped (getSequence());
   return *cachedLoopedSequence;
```

```
class MidiClip : public Clip
private:
   mutable std::unique ptr<MidiList> cachedLoopedSequence;
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class MidiClip : public Clip
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    mutable std::unique_ptr<MidiList> cachedLoopedSequence;

MidiList& MidiClip::getSequenceLooped() const
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    return *cachedLoopedSequence;
}
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Techniques for Optimisation

5. Reducing memory footprint