**Slice Operations**

**Document Id 27**

* array slicing is an operation that extracts a subset of elements from an array and packages them as another array, possibly in a different dimension from the original.
* an array slice can be made out of non-consecutive elements.
* We can think of a slice as a partition where elements can overlap

**Sequence = {3, 2, 6, -1, 4, 5, -1, 2 }**

**Slice1 = {3, 2, 6 }**

**Slice2 = { 6, -1, 4, 5 }**

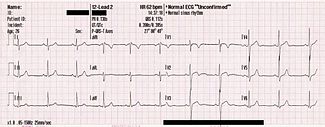
**Slice3 = { 5, -1, 2}**

**Sequence = Slice1USlice2USlice3**

* We have an index scheme for the slice Slice 3 =(5, 6, 7)
* A slice can be a subarray Slice 4 = (2, 3, 4) = {6, -1, 4} is a contiguous subarray
* **https://en.wikipedia.org/wiki/Maximum\_subarray\_problem**

**Slice operations in Industry and research**

ECG for a sequence of data that represents an ECG we need not only the peaks but the



Distance between the peaks (R-R interval)

