

Module sui::priority_queue

Priority queue implemented using a max heap.

Struct representing a priority queue. The entries vector represents a max heap structure, where entries[0] is the root, entries[1] and entries[2] are the left child and right child of the root, etc. More generally, the children of entries[i] are at $i * 2 + 1$ and $i * 2 + 2$. The max heap should have the invariant that the parent node's priority is always higher than its child nodes' priorities.

For when heap is empty and there's no data to pop.

Create a new priority queue from the input entry vectors.

Pop the entry with the highest priority value.

Insert a new entry into the queue.

Max heapify the subtree whose root is at index i. That means after this function finishes, the subtree should have the property that the parent node has higher priority than both child nodes. This function assumes that all the other nodes in the subtree (nodes other than the root) do satisfy the max heap property.

Struct

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Insert a new entry into the queue.

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## Function

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