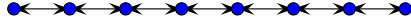


Fibonacci Heap Union



The *union* function:

```
function union(a,b)    // a and b are non-empty heaps
{
  h = new FibHeap();
  h.size = a.size + b.size;
  if (a.min.value < b.min.value)
    h.min = a.min;
  else
    h.min = b.min;
  h.rootList = append(a.rootList,b.rootList);
}
```

The *union* function simply concatenates the donor heaps root lists and sets its minimum to the minimum of the donor heaps.

Next: *Decreasing the value of an arbitrary node in a Fibonacci heap*