Step 1
17

Step 2
Merge 17 and 13

Step 3
Merge 17 and 21

Step 4
Now merge 5 with

Merge 5 with Null

21 is larger,
Swap 21’s children
(both Null)
Merge 5 with 21’s left child (Null).

Any skew heap merged with Null is just the non-Null skew heap.
Step 5
Merge 8 with

Merge 17, 6
13, 8

Merge 8 with Null

Step 6
Merge 23 with

Easy!
Step 7 Merge with

Step 8 Merge 2 with

(a) Merge 21 with 2

(b) Merge 23 with 11

(c) Merge 11 with 2
Step 9: Remove Max, Delete root and merge.

(a) Merge 21 and 11
(b) Merge 21 and 5
(c) Merge 13 and 10
(d) Merge 17 and 21
(e) Merge 5 and 2
(f) Merge 2 and 17
Step 10: remove Max

Merge 17, 8, and 5

Merge 17, 13, and 2

Merge 5, null

Done!