Theoretical Computer Science 3 (1977) 121.

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CORRIGENDUM

To: F.P. Preparata (University of Illinois, Urbana, IL 61801), A Fast Stable Sorting Algorithm with Absolutely Minimum Storage, Theoretical Computer Science 1 (1975) 185-190.

It has been pointed out by Mr. Rippon of the University of Warwick, England, that Algorithm ISM, p. 189, contains some inaccuracies. In fact, in Step ISM6, the indices (s+1+i), and (u+1+i) may exceed their ranges. This error can be amended as follows:

```
In Step ISM4 replace ... set u \leftarrow k \dots with:
... set u \leftarrow k, i \leftarrow 0, j \leftarrow 0...
Replace Step ISM6 with the following:
ISM6. While i + j < 2^r, if [(i + s < u) \land (j + u < \min(v, s + 2^{r+1}))]
        then: If V[s+1+i] \le V[u+1+i], then set i \leftarrow i+1, else set i \leftarrow j+1;
        else: If i + s = u then set i \leftarrow i + 1, else set i \leftarrow i + 1.
```

With this correction, it is guaranteed that the integers (s + 1 + i) and (u + 1 + i) are always within their ranges prior to their use as indices of the array V.