

(M) Minimum Spelling Trees (I/2)

M1. (" " (+ H + a + u + s ->
 "Haus" (+ e + s ->
 "Hauses" (- a + ä - s + r ->
 "Häuser" (+ n ->
 "Häusern")))) Cost: 11

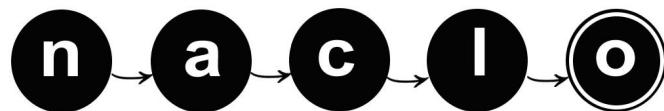
M2. (" " (+ H + a + u + s ->
 "Haus" (+ e ->
 "Hause" (+ s ->
 "Hauses")
 (- a + ä + r ->
 "Häuser" (+ n ->
 "Häusern")))) Cost: 10

M3. 7

(" " (+ H + a + u + s + e ->
 "Hause" (- e ->
 "Haus")
 (+ s ->
 "Hauses")
 (- a + ä + r ->
 "Häuser" (+ n ->
 "Häusern")))) Cost: 11

(" " (+ H + a + u + s ->
 "Haus" (+ e ->
 "Hause" (+ s ->
 "Hauses")
 (- a + ä + r + n ->
 "Häusern" (- n ->
 "Häuser")))) Cost: 11

(" " (+ H + a + u + s ->
 "Haus" (+ e ->
 "Hause" (+ s ->
 "Hauses" (- a + ä - s + r ->
 "Häuser" (+ n ->
 "Häusern")))) Cost: 11



(M) Minimum Spelling Trees (2/2)

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(" " (+ H + a + u + s ->
      "Haus" (+ e + s ->
                "Hauses")
                (+ e ->
                  "Hause")
                (- a + ä + r ->
                  "Häuser" (+ n ->
                            "Häusern")))) Cost: 11

(" " (+ H + a + u + s ->
      "Haus" (+ e + s ->
                "Hauses" (- s ->
                           "Hause")
                           (- a + ä + r ->
                             "Häuser" (+ n ->
                                       "Häusern")))) Cost: 11

(" " (+ H + a + u + s ->
      "Haus" (- a + ä + e + r ->
                "Häuser" (+ n ->
                          "Häusern"))
                (+ e ->
                  "Hause" (+ s ->
                            "Hauses")))) Cost: 11
  
```

The seventh MST is the cost 10 tree from **M2**.

M4. Haus is encoded from Häusern and all other words are encoded from "", for a cost of $5 + 5 + 6 + 6 + 7 = 29$

