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 ->
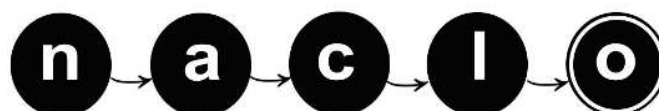"Häusern"))))   Cost: 11

("" (+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

```
("" (+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