

## Classification of algebraic tangles – supplement 4/5

Bartosz A. Gren<sup>1\*</sup>, Joanna I. Sulkowska<sup>1</sup> and Boštjan Gabrovšek<sup>2,3</sup>

<sup>1</sup>University of Warsaw, Centre of New Technology, S. Banacha 2C,  
02-097 Warsaw, Poland.

<sup>2</sup>University of Ljubljana, Faculty of Education, Kardeljeva ploščad 16,  
1000 Ljubljana, Slovenia.

<sup>3</sup>Rudolfovo – Science and Technology Centre, Podbreznik 15, 8000 Novo  
mesto, Slovenia.

\*Corresponding author(s). E-mail(s): [b.gren@cent.uw.edu.pl](mailto:b.gren@cent.uw.edu.pl);

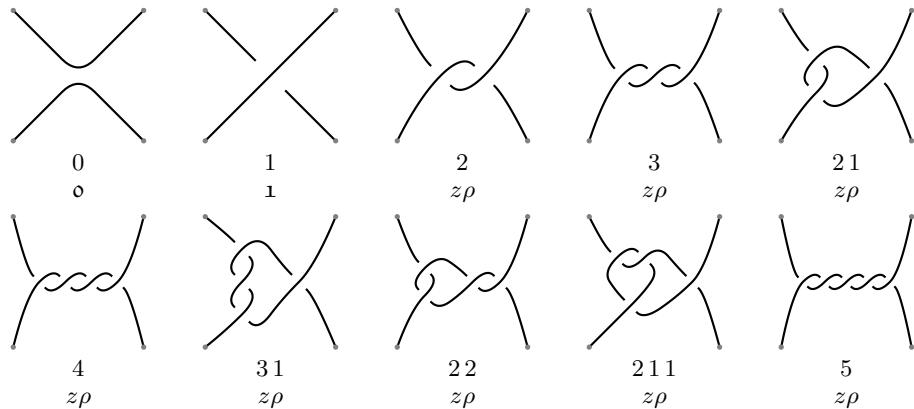
Contributing authors: [j.sulkowska@cent.uw.edu.pl](mailto:j.sulkowska@cent.uw.edu.pl);

[bostjan.gabrovsek@pef.uni-lj.si](mailto:bostjan.gabrovsek@pef.uni-lj.si);

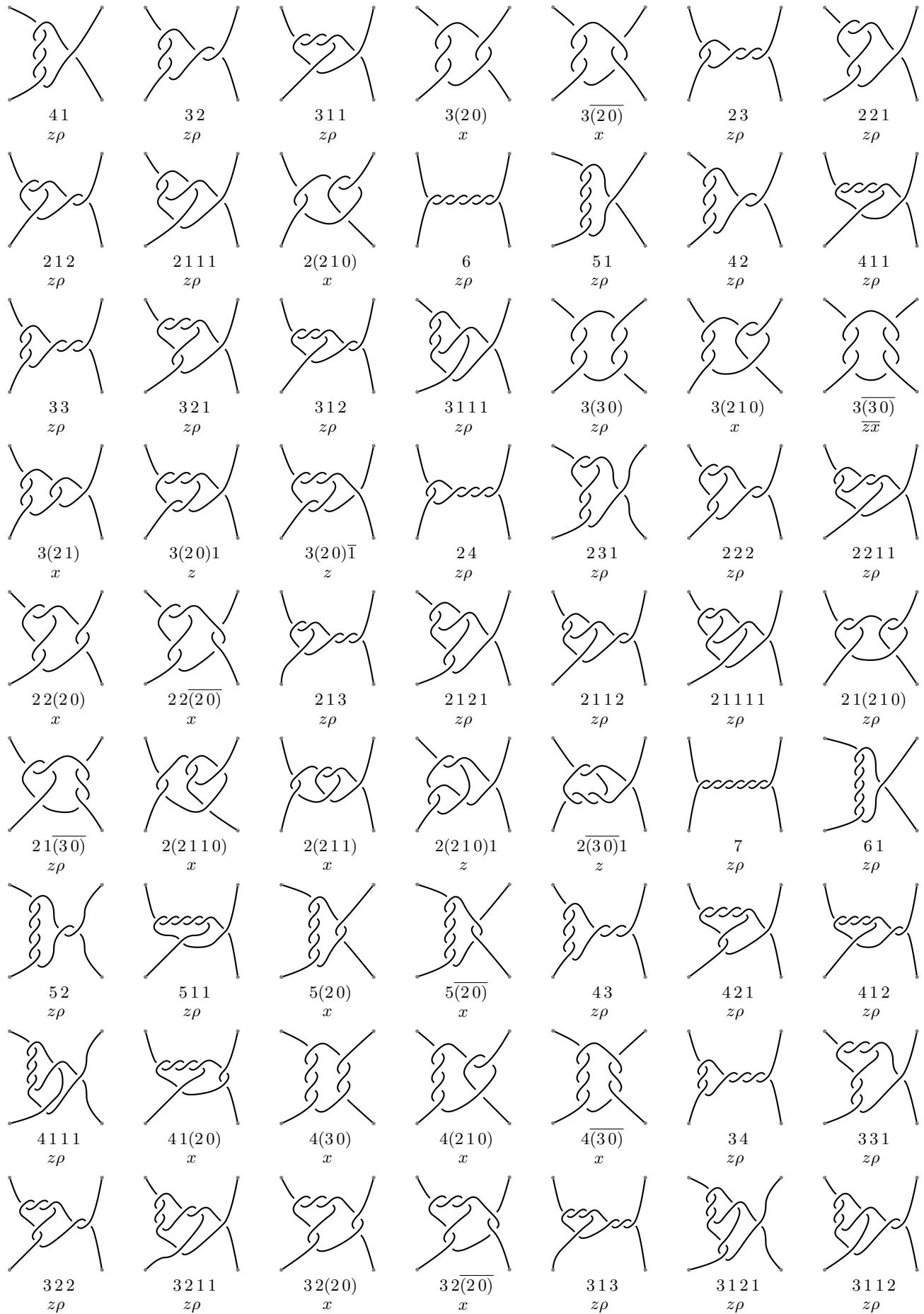
### S4. Diagrams of tangles up to 10 crossings (no loops)

Symbols under the tangle name refer to its symmetry presented in Table 4.

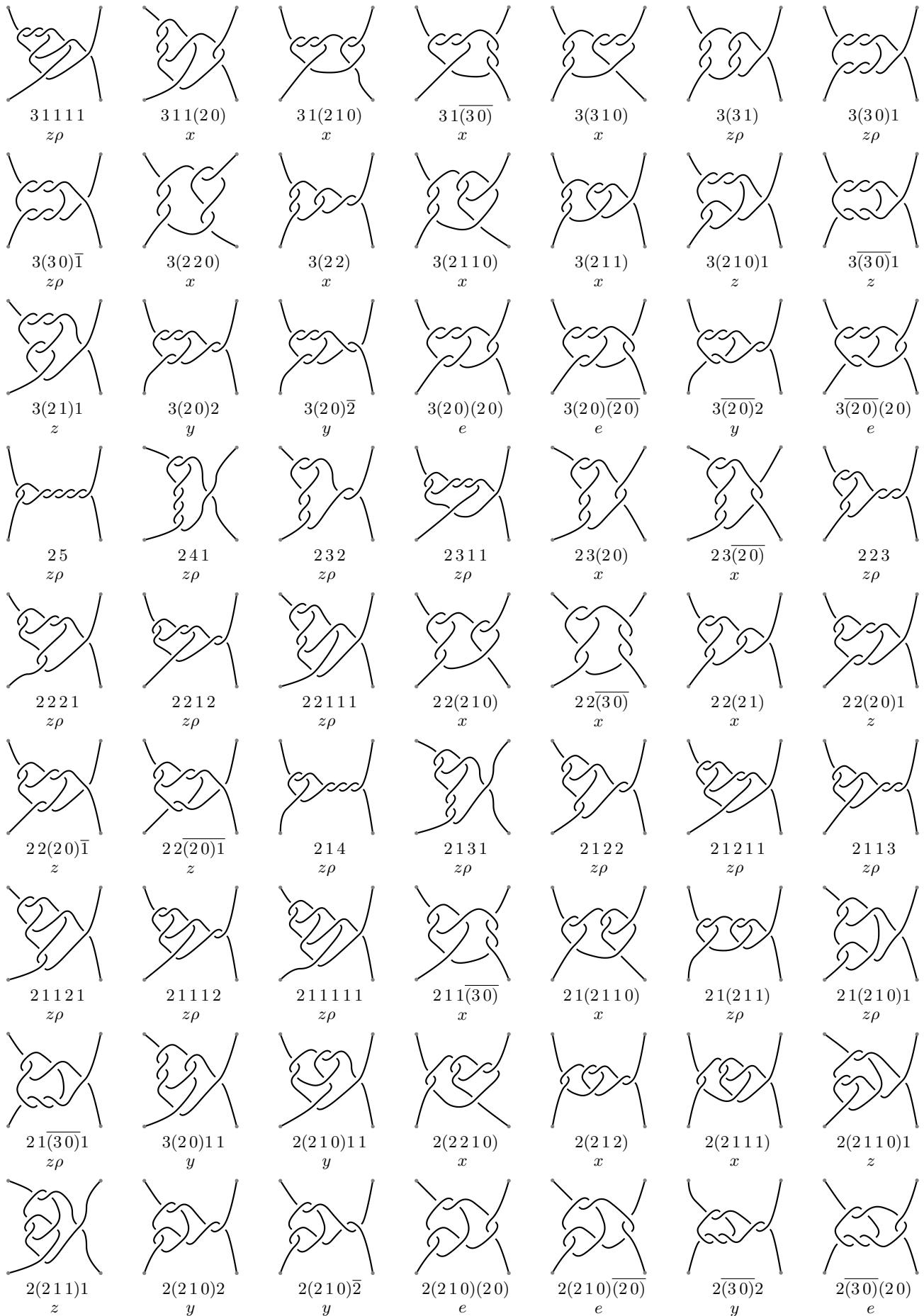
#### Tangles 1 – 10 (no loops)



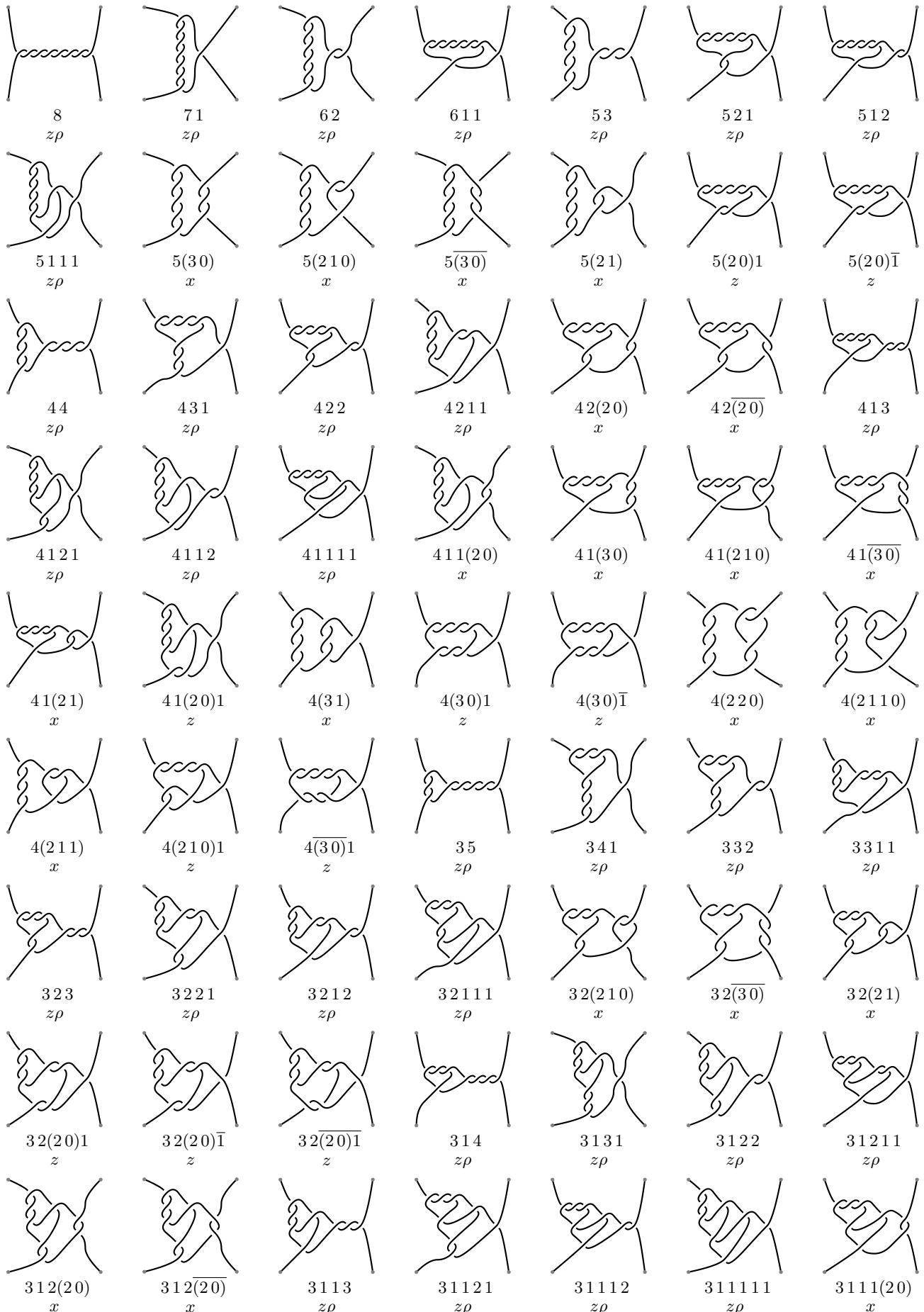
Tangles 11 – 73 (no loops)



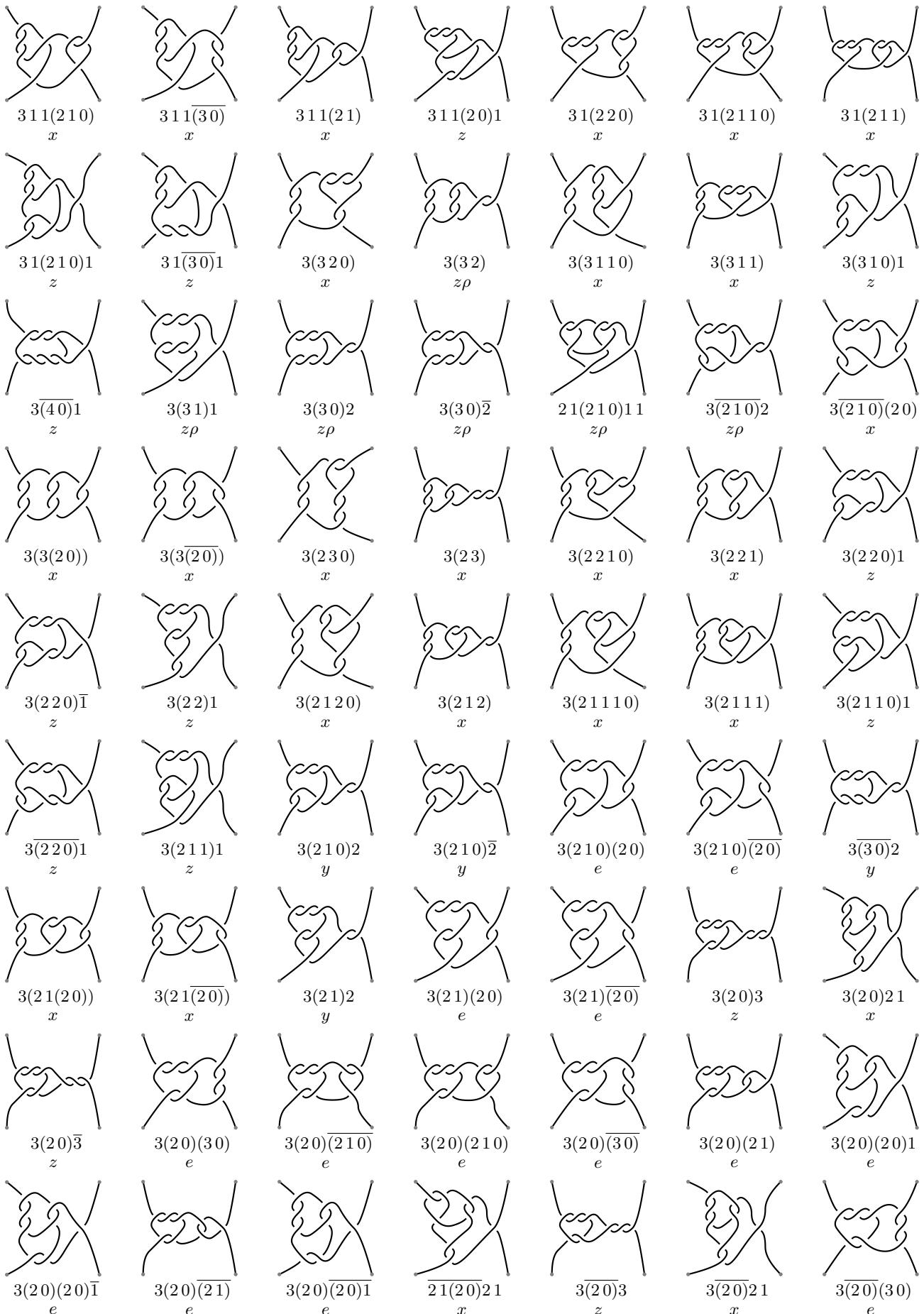
Tangles 74 – 136 (no loops)



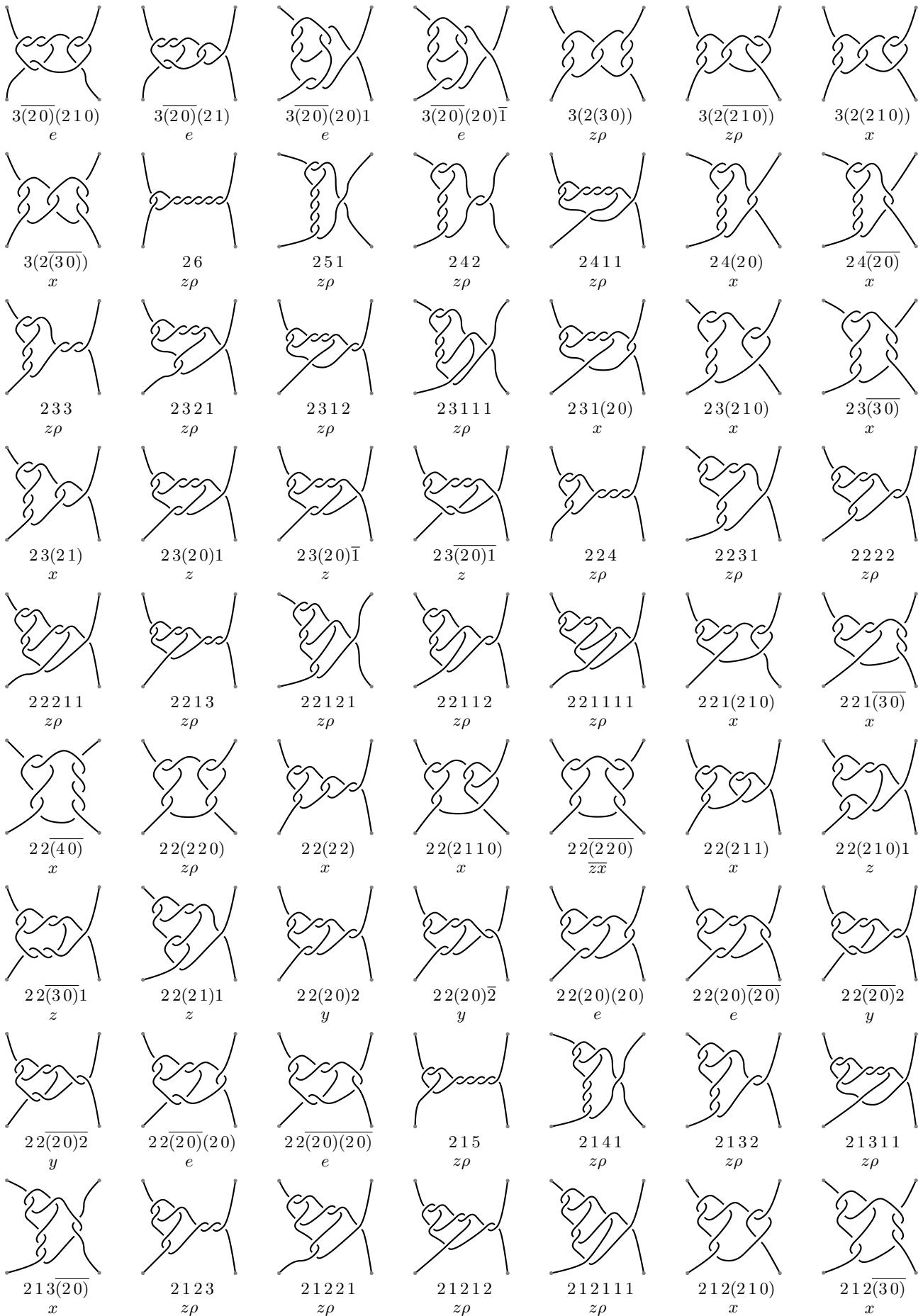
Tangles 137 – 199 (no loops)



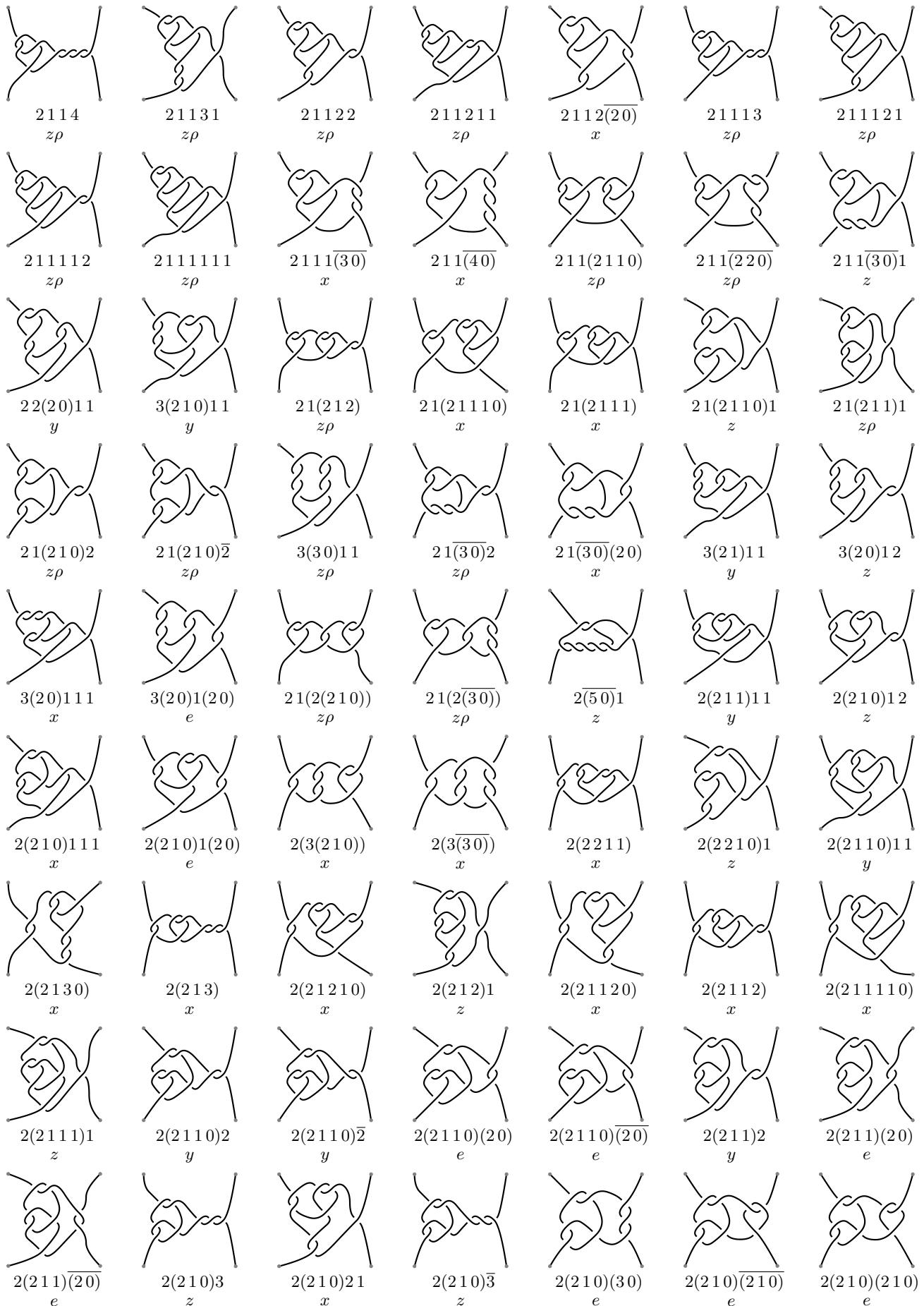
Tangles 200 – 262 (no loops)



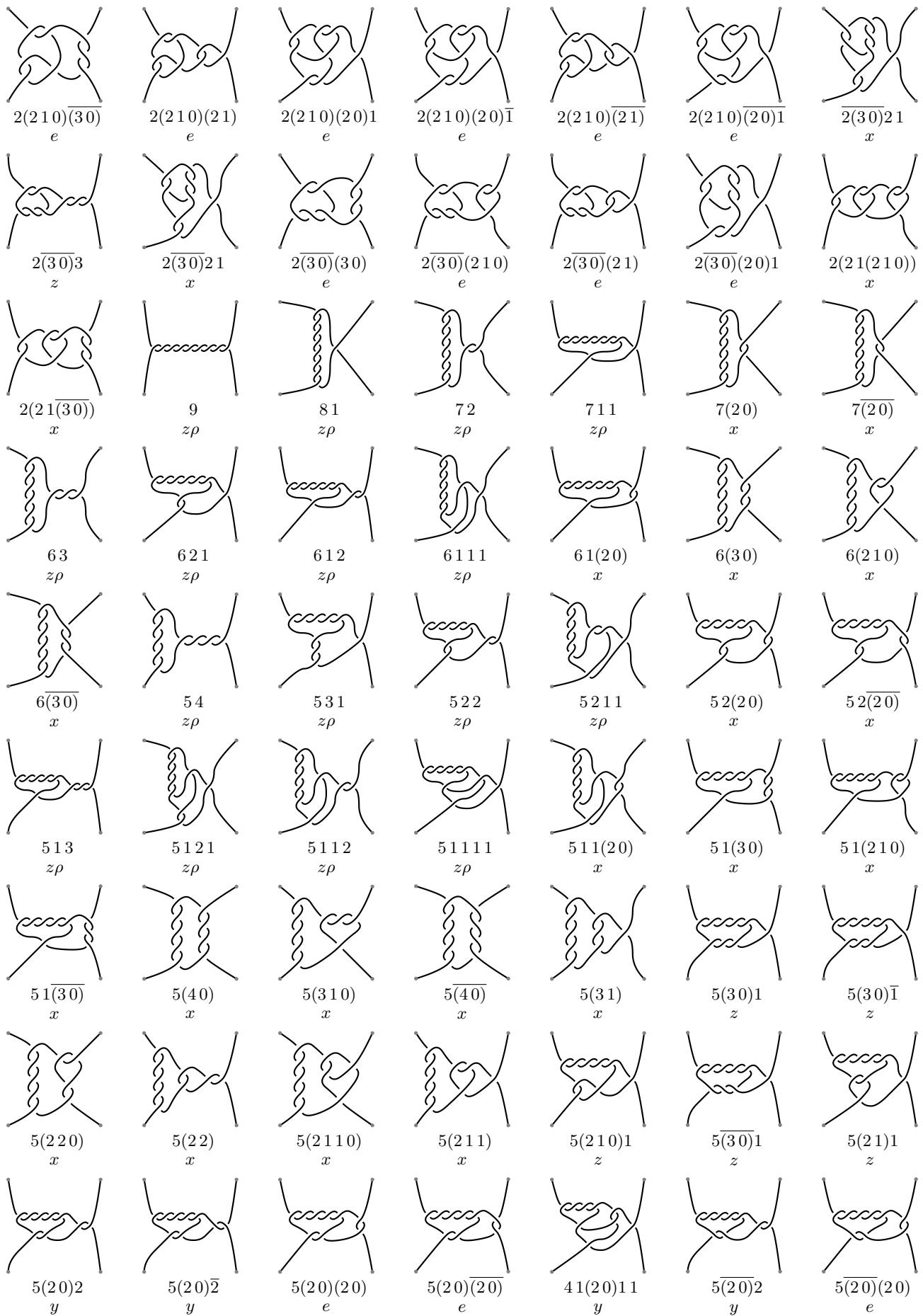
Tangles 263 – 325 (no loops)



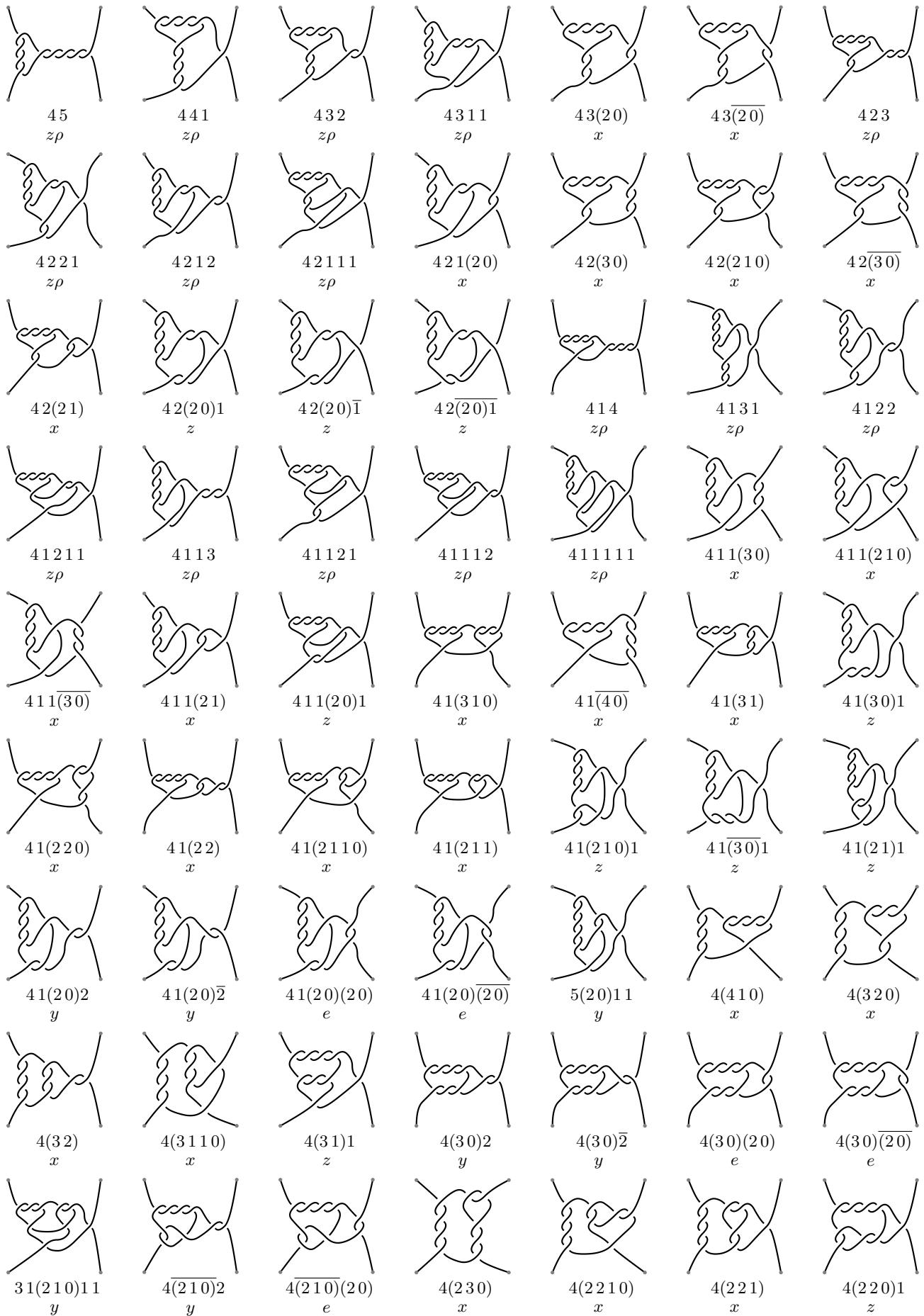
Tangles 326 – 388 (no loops)



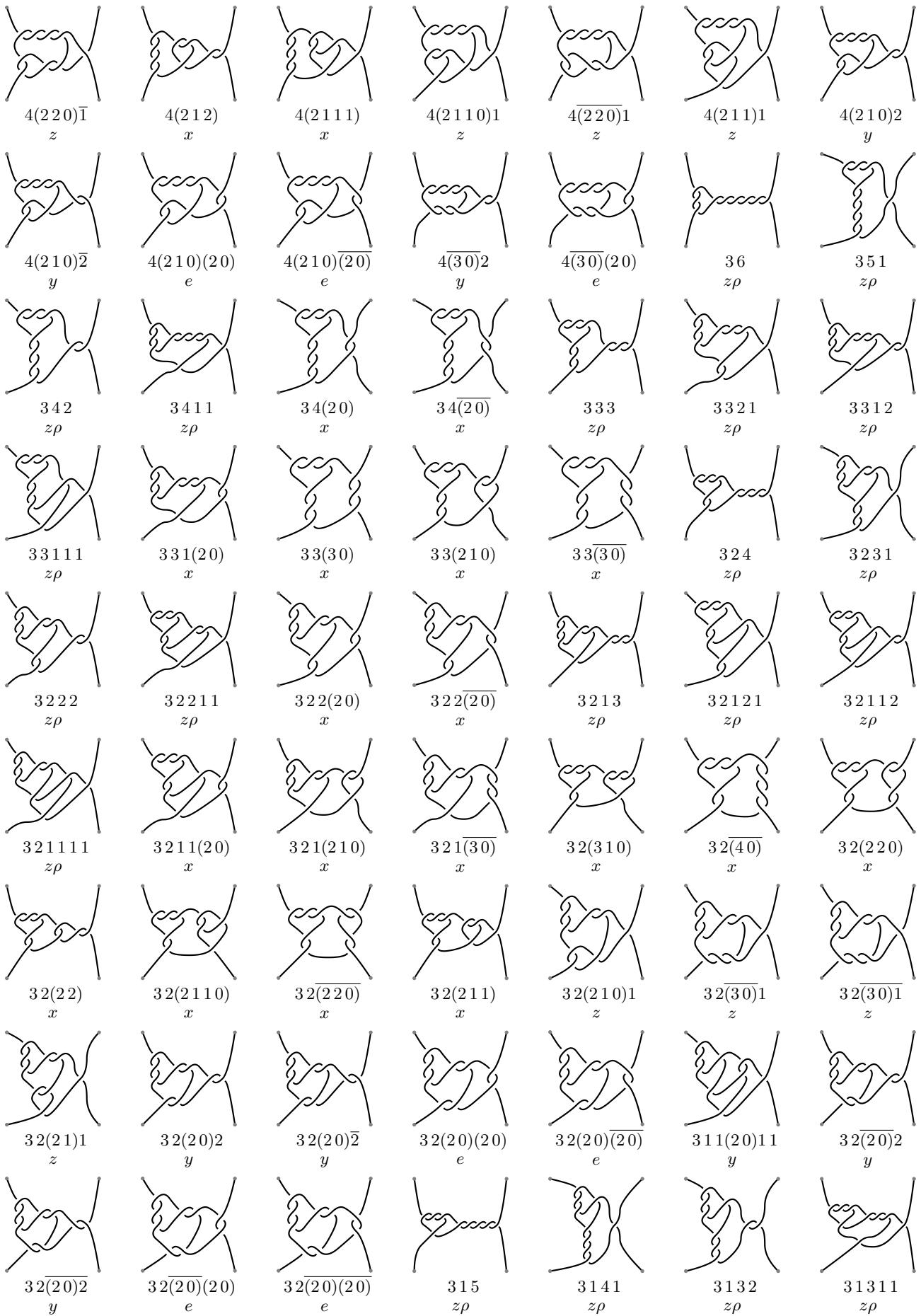
Tangles 389 – 451 (no loops)



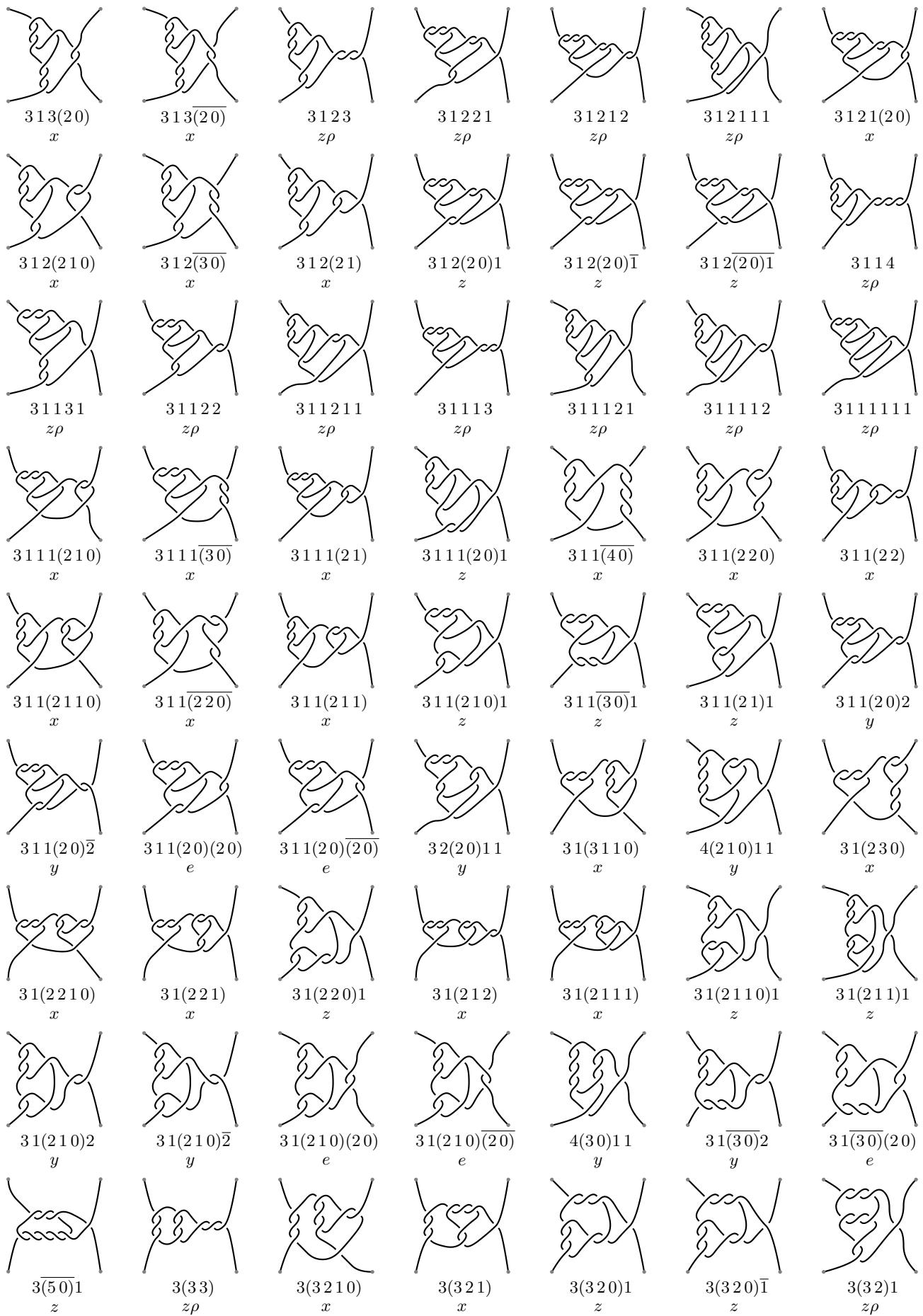
Tangles 452 – 514 (no loops)



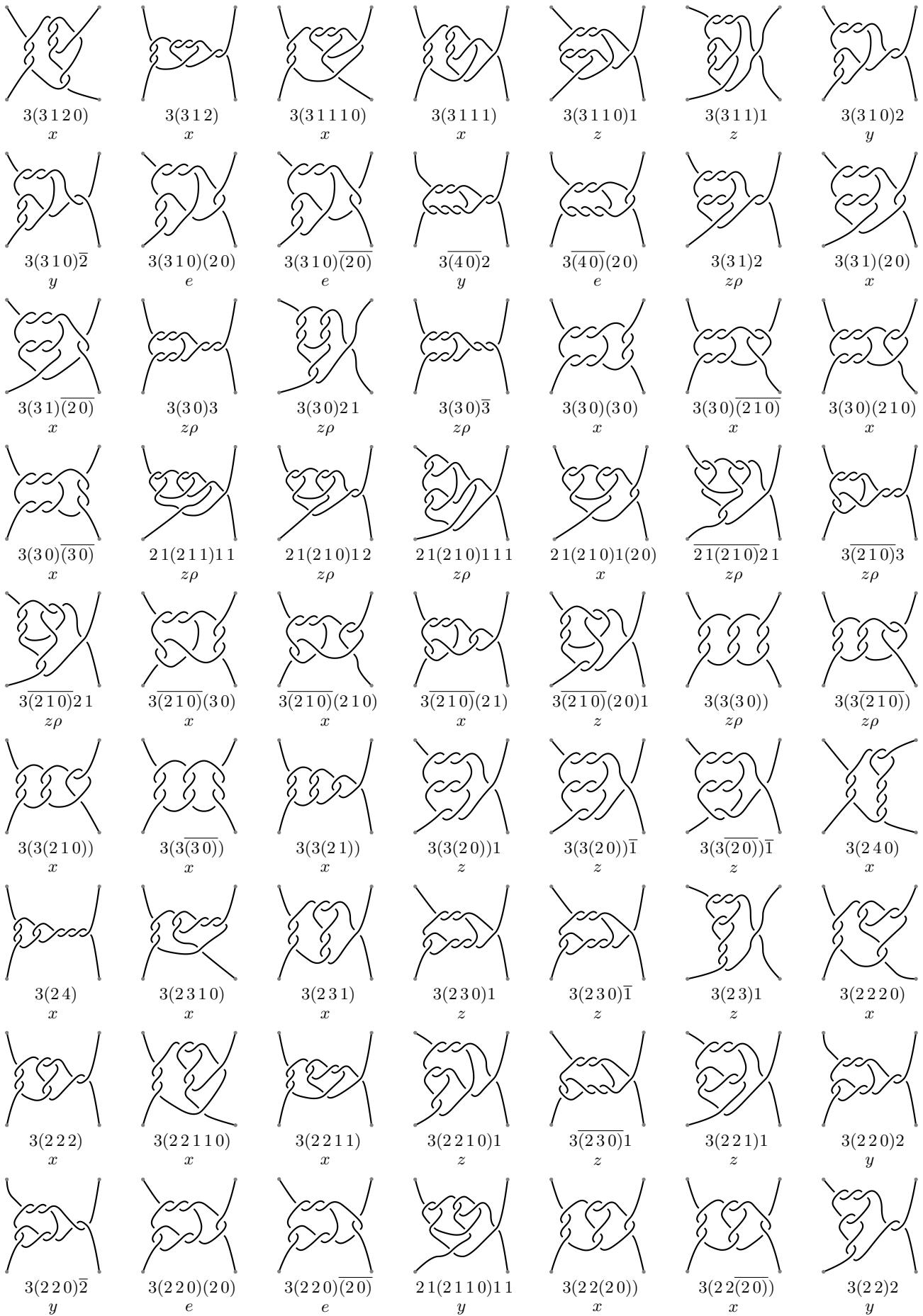
Tangles 515 – 577 (no loops)



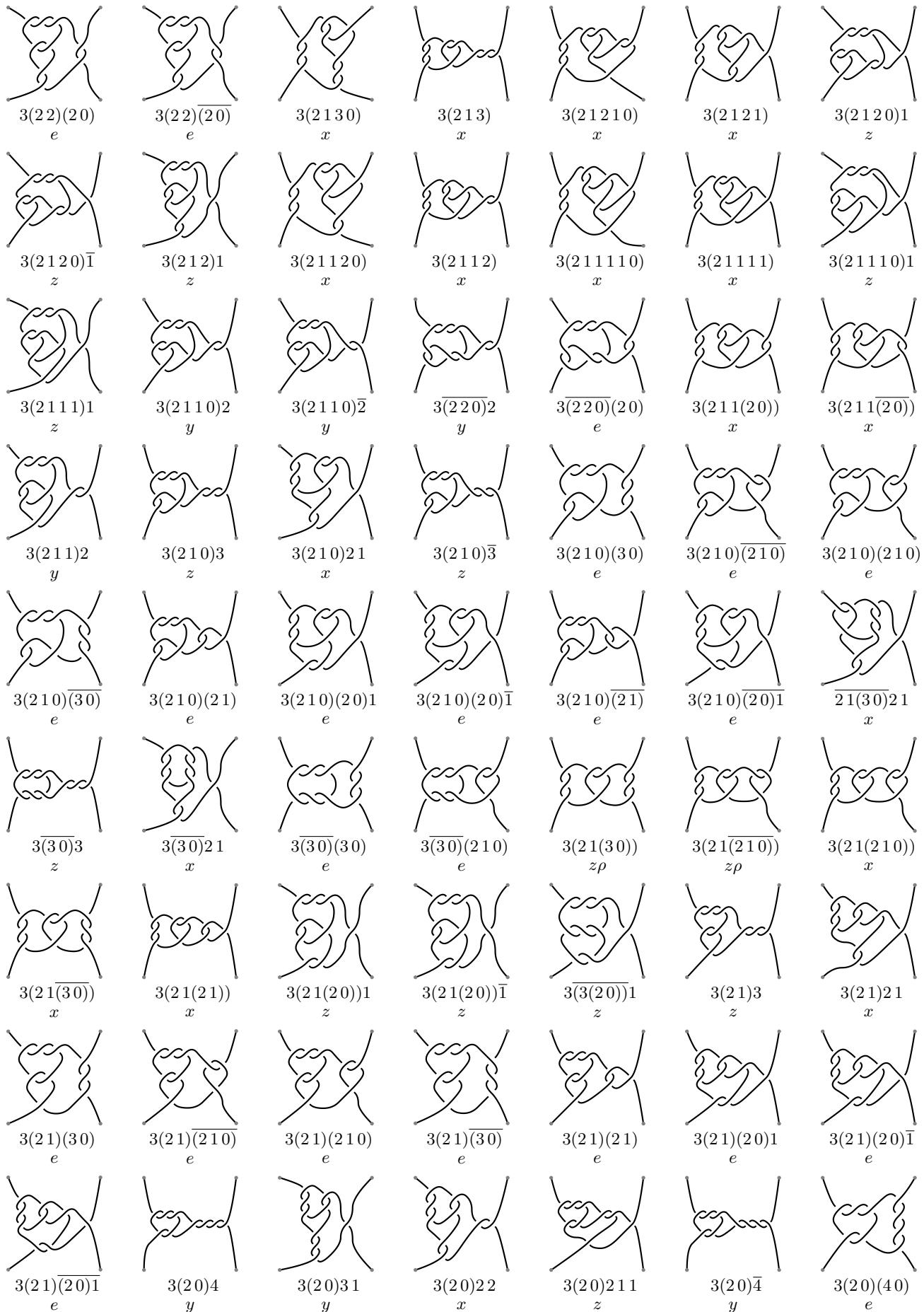
Tangles 578 – 640 (no loops)



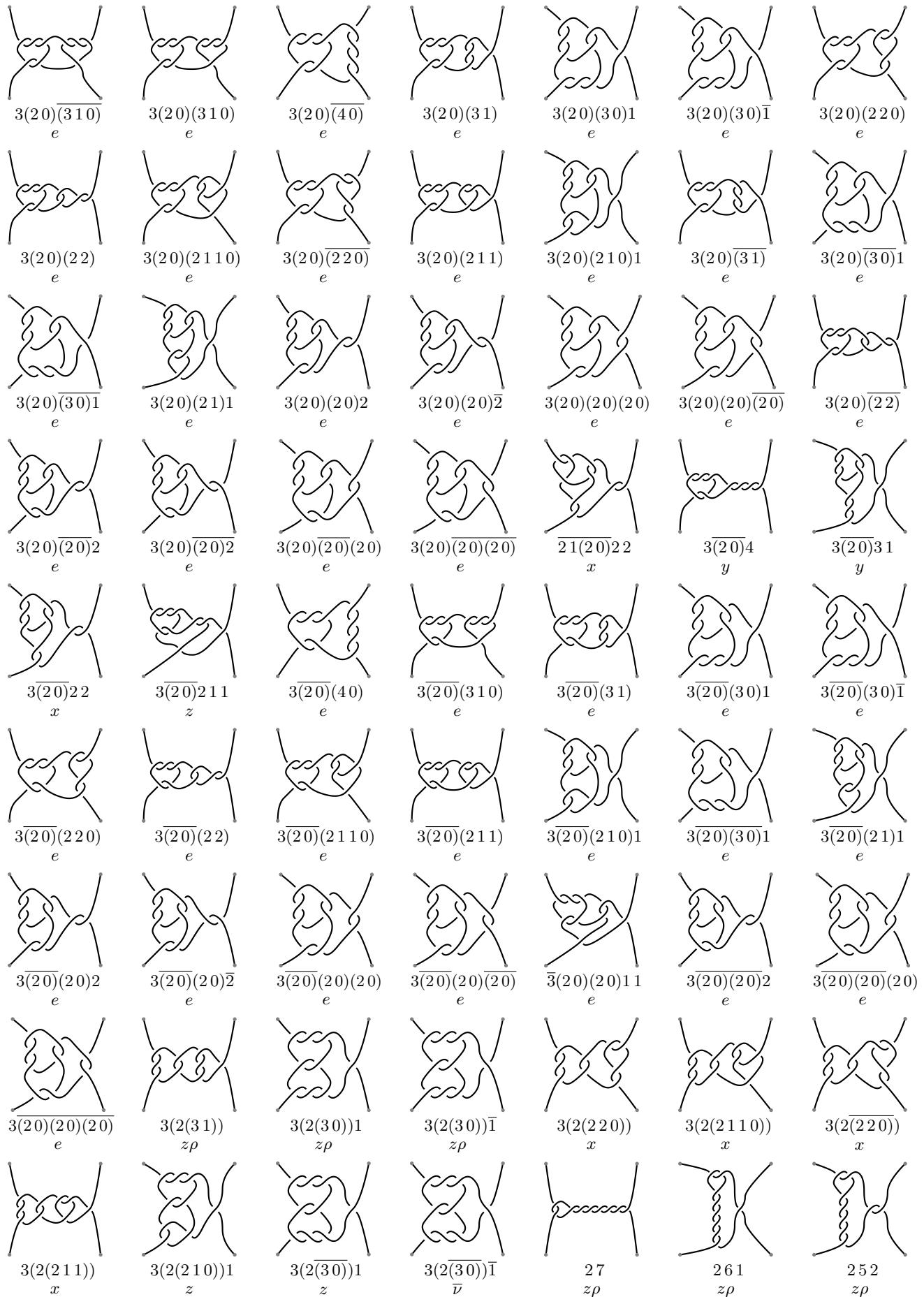
Tangles 641 – 703 (no loops)



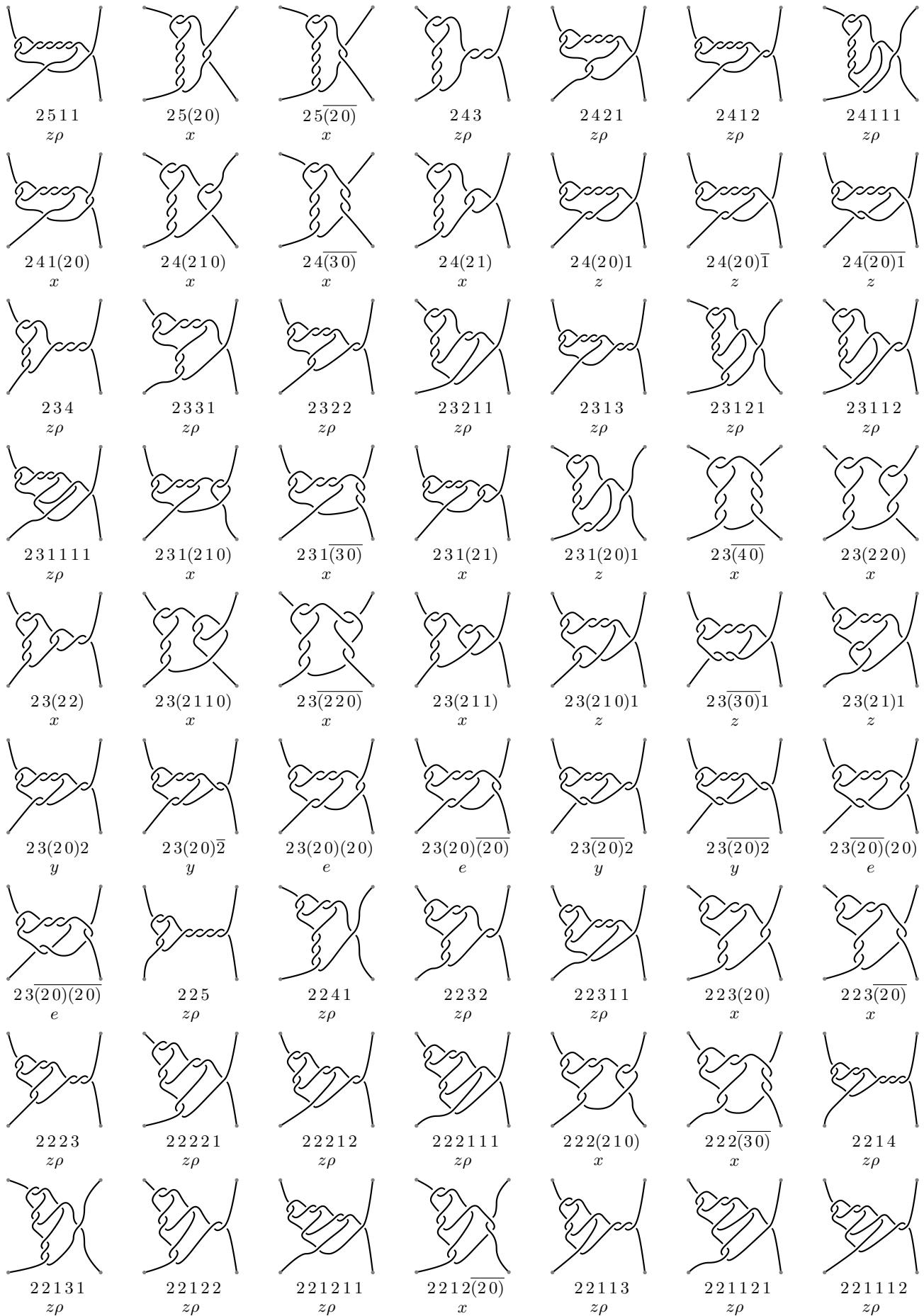
Tangles 704 – 766 (no loops)



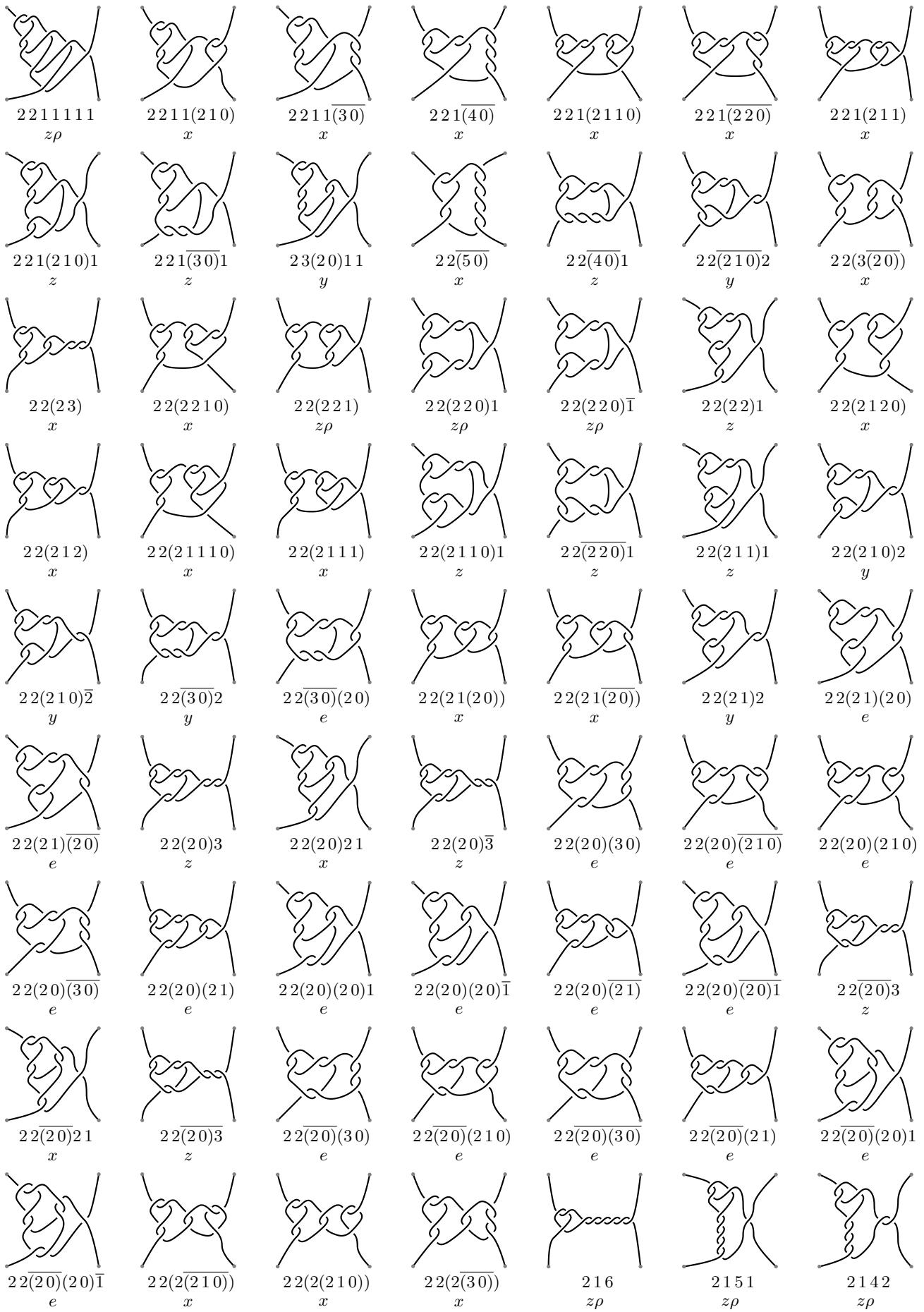
Tangles 767 – 829 (no loops)



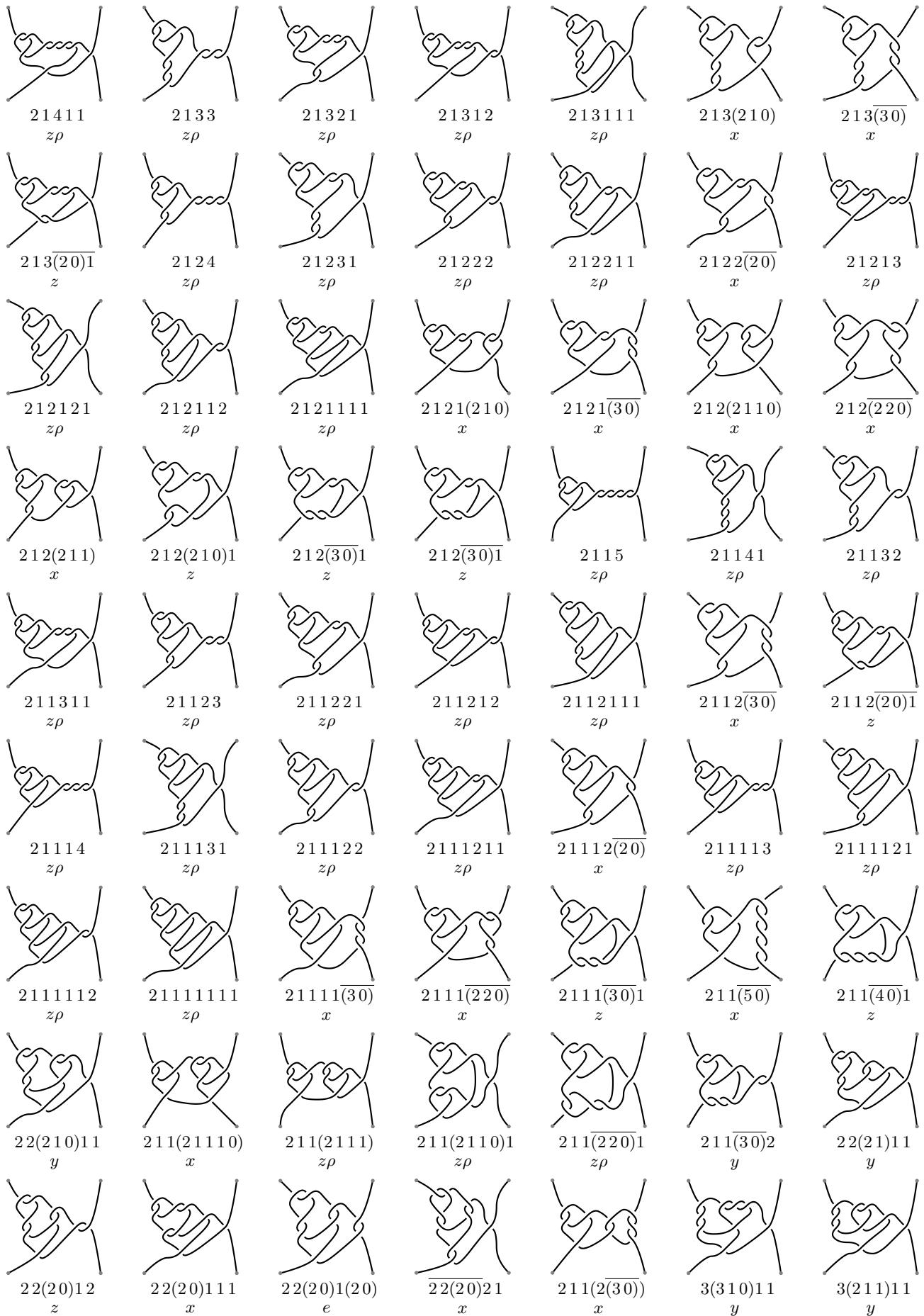
Tangles 830 – 892 (no loops)



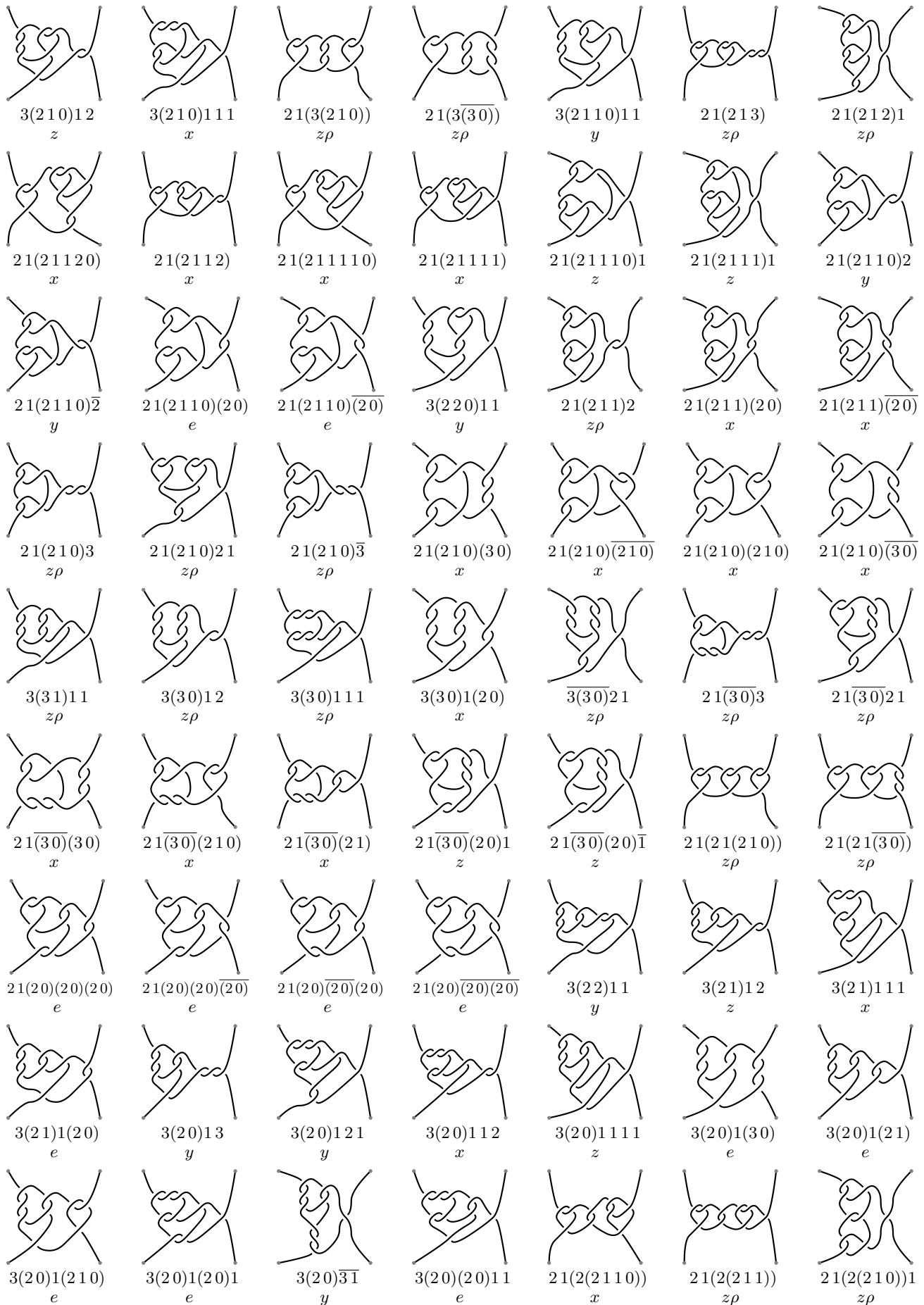
Tangles 893 – 955 (no loops)



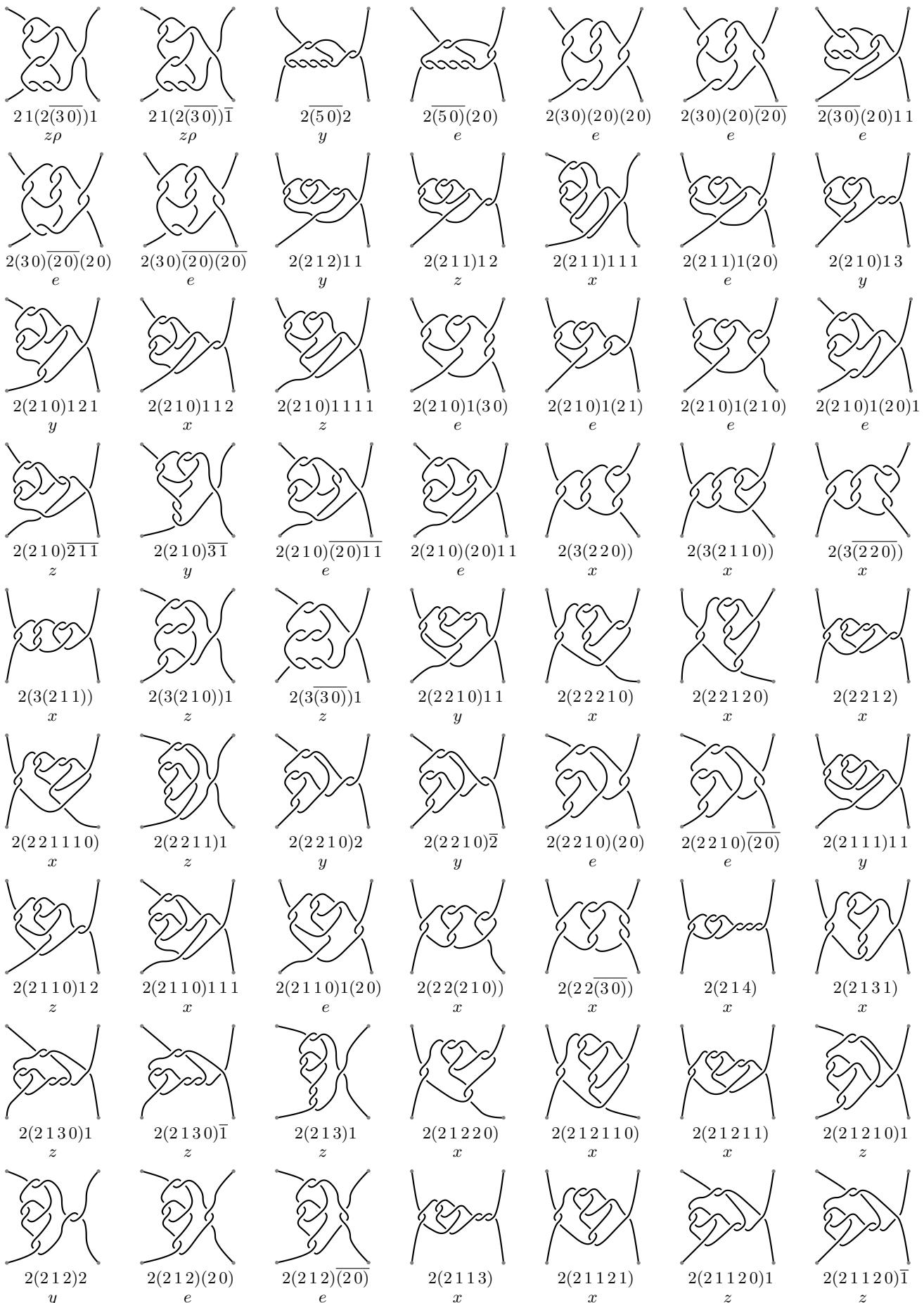
Tangles 956 – 1018 (no loops)



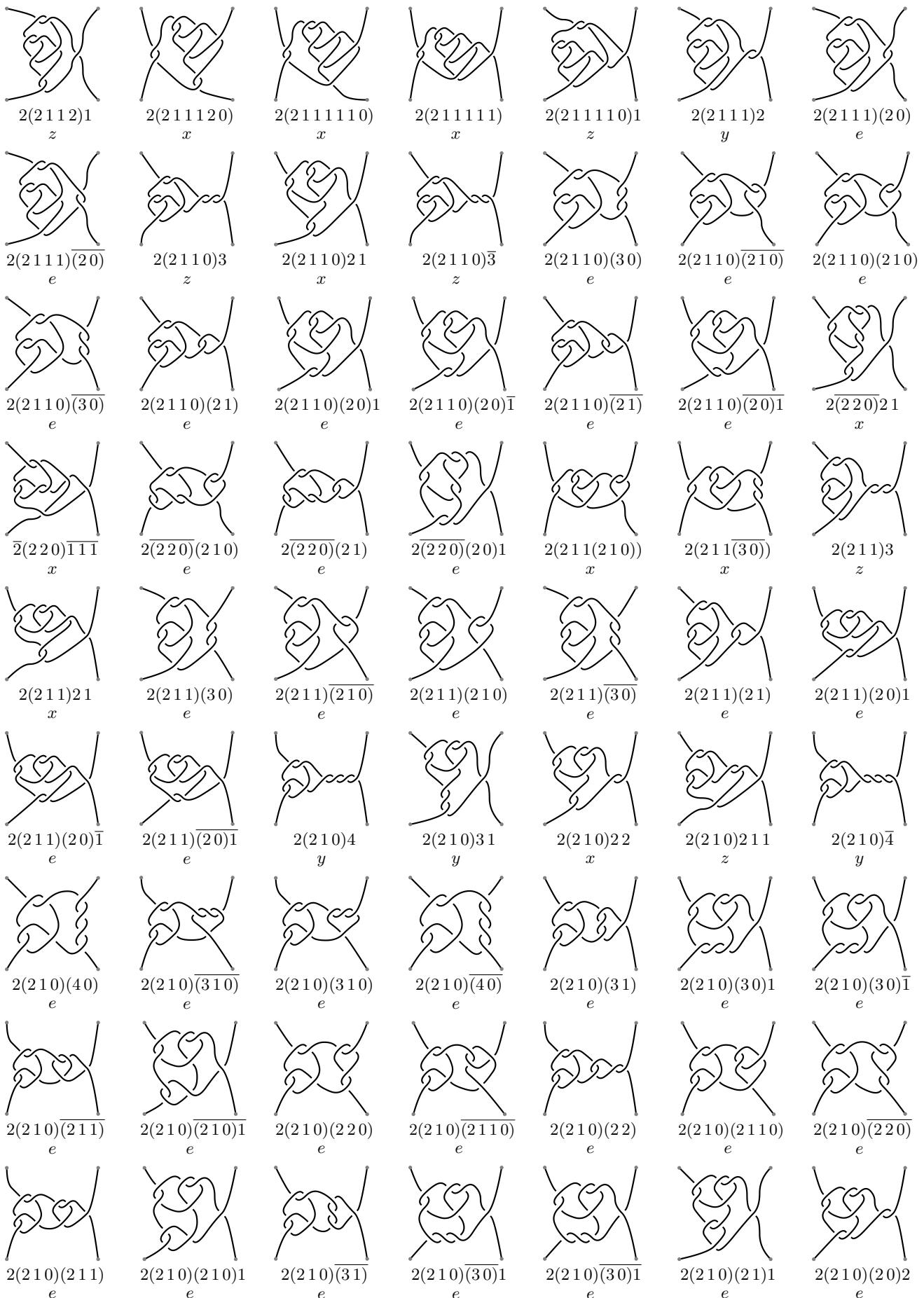
Tangles 1019 – 1081 (no loops)



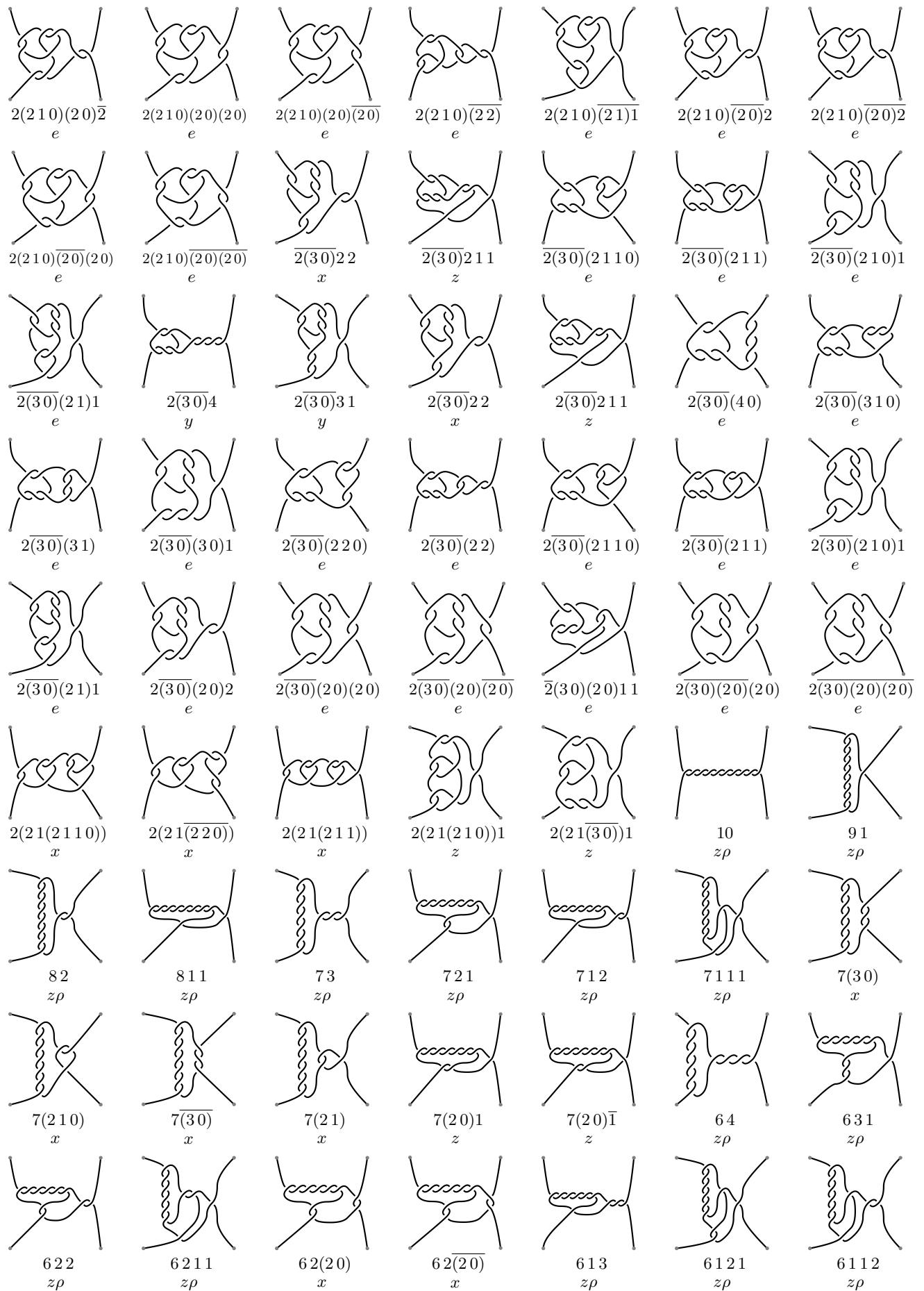
Tangles 1082 – 1144 (no loops)



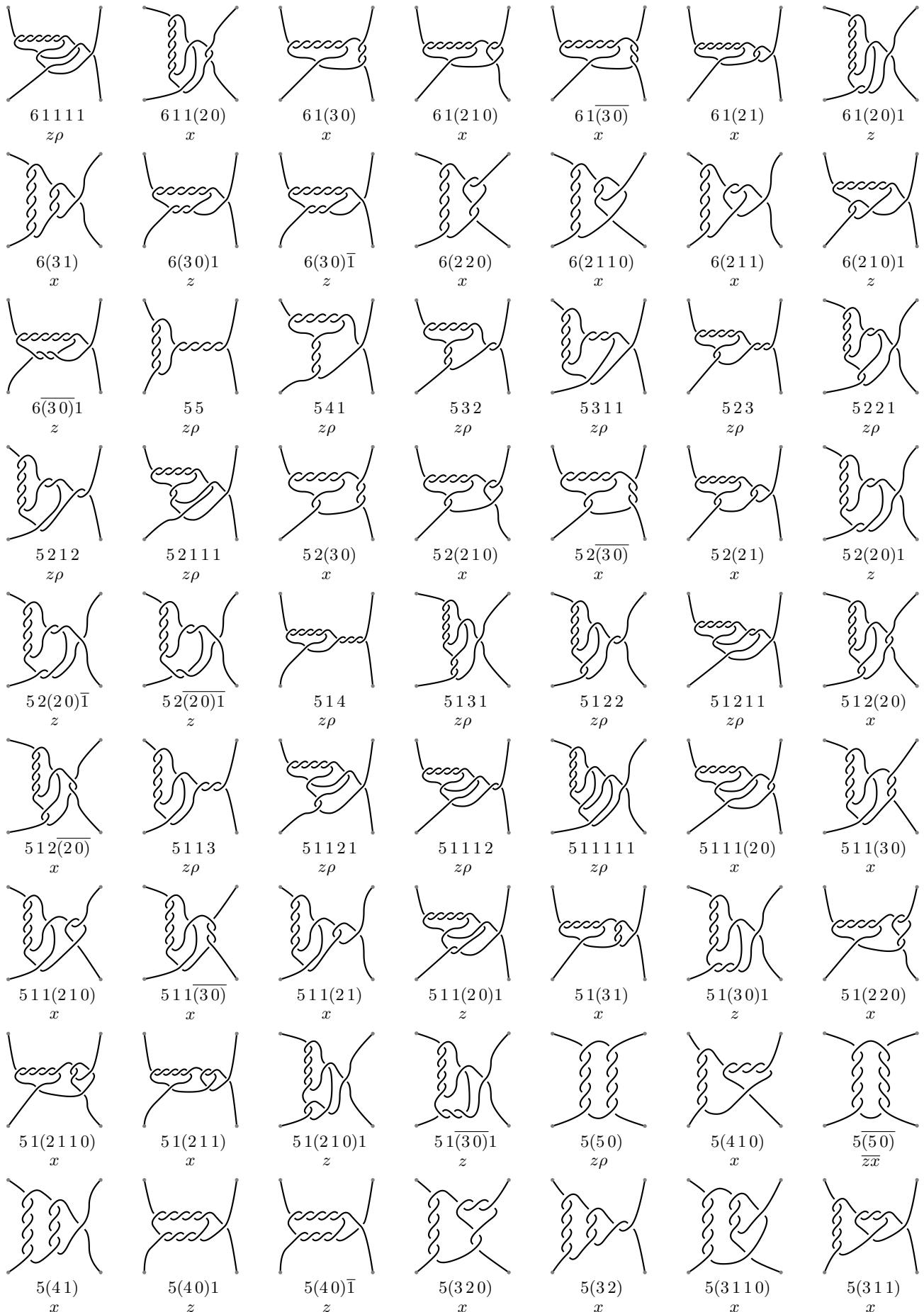
Tangles 1145 – 1207 (no loops)



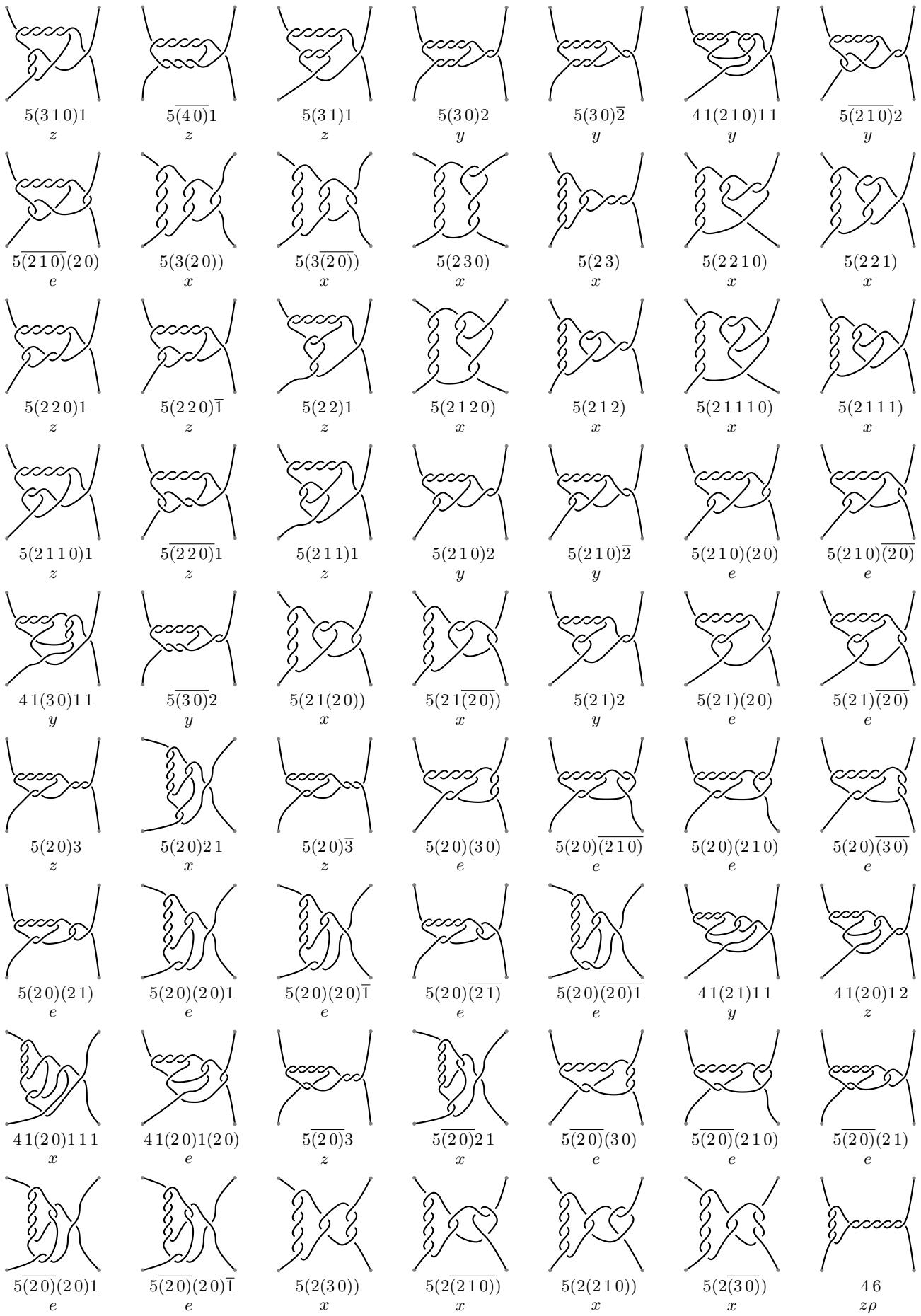
Tangles 1208 – 1270 (no loops)



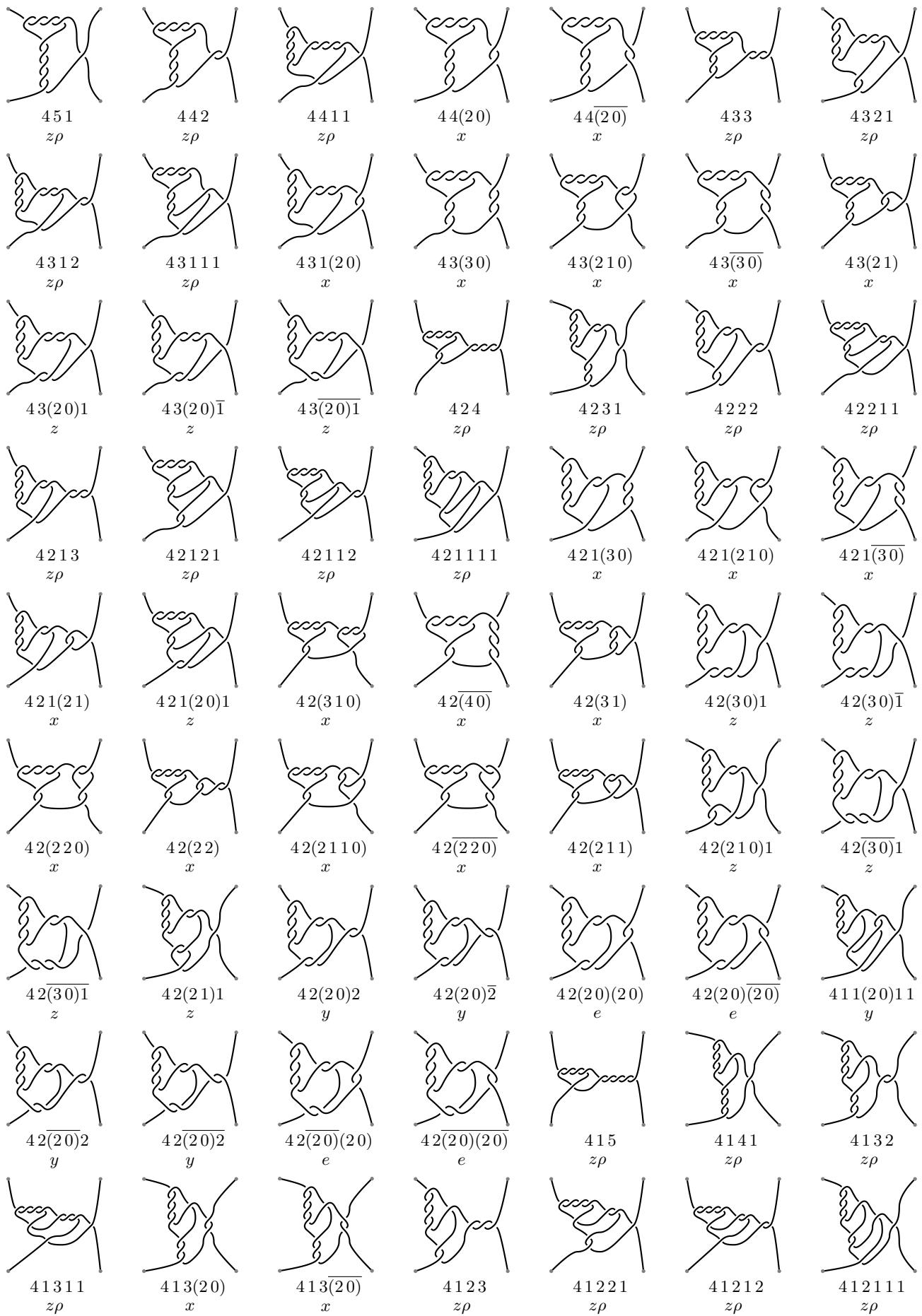
Tangles 1271 – 1333 (no loops)



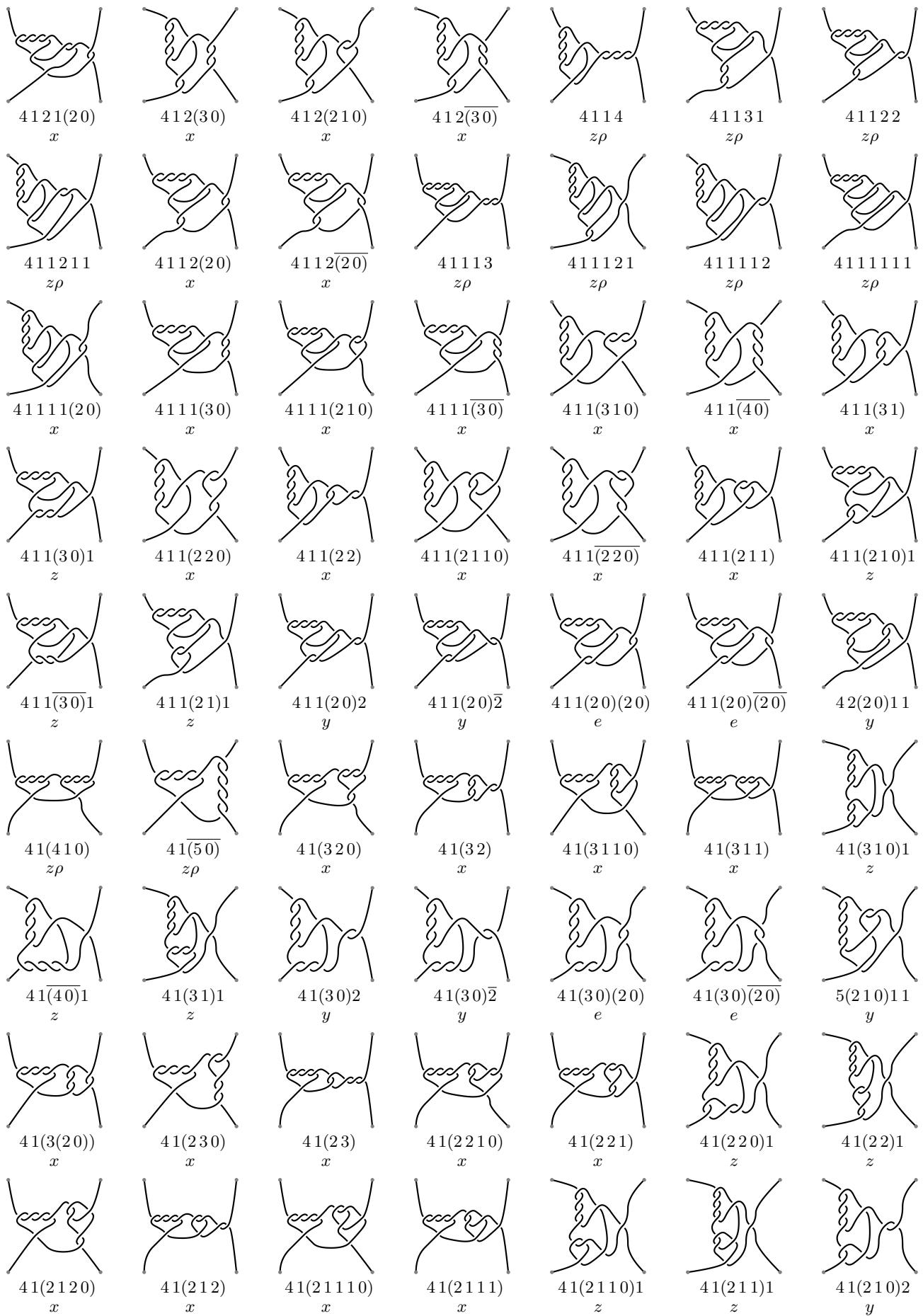
Tangles 1334 – 1396 (no loops)



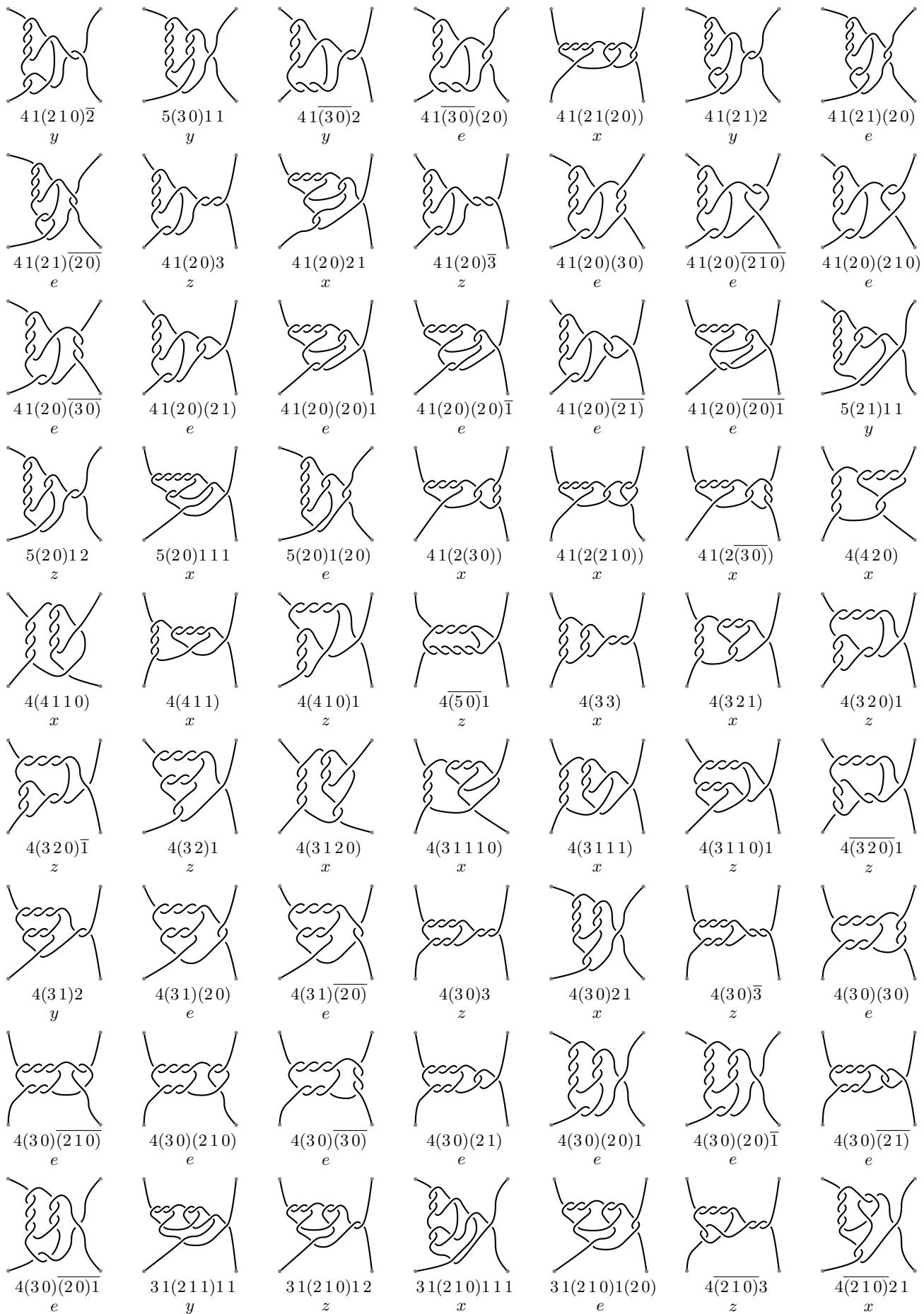
Tangles 1397 – 1459 (no loops)



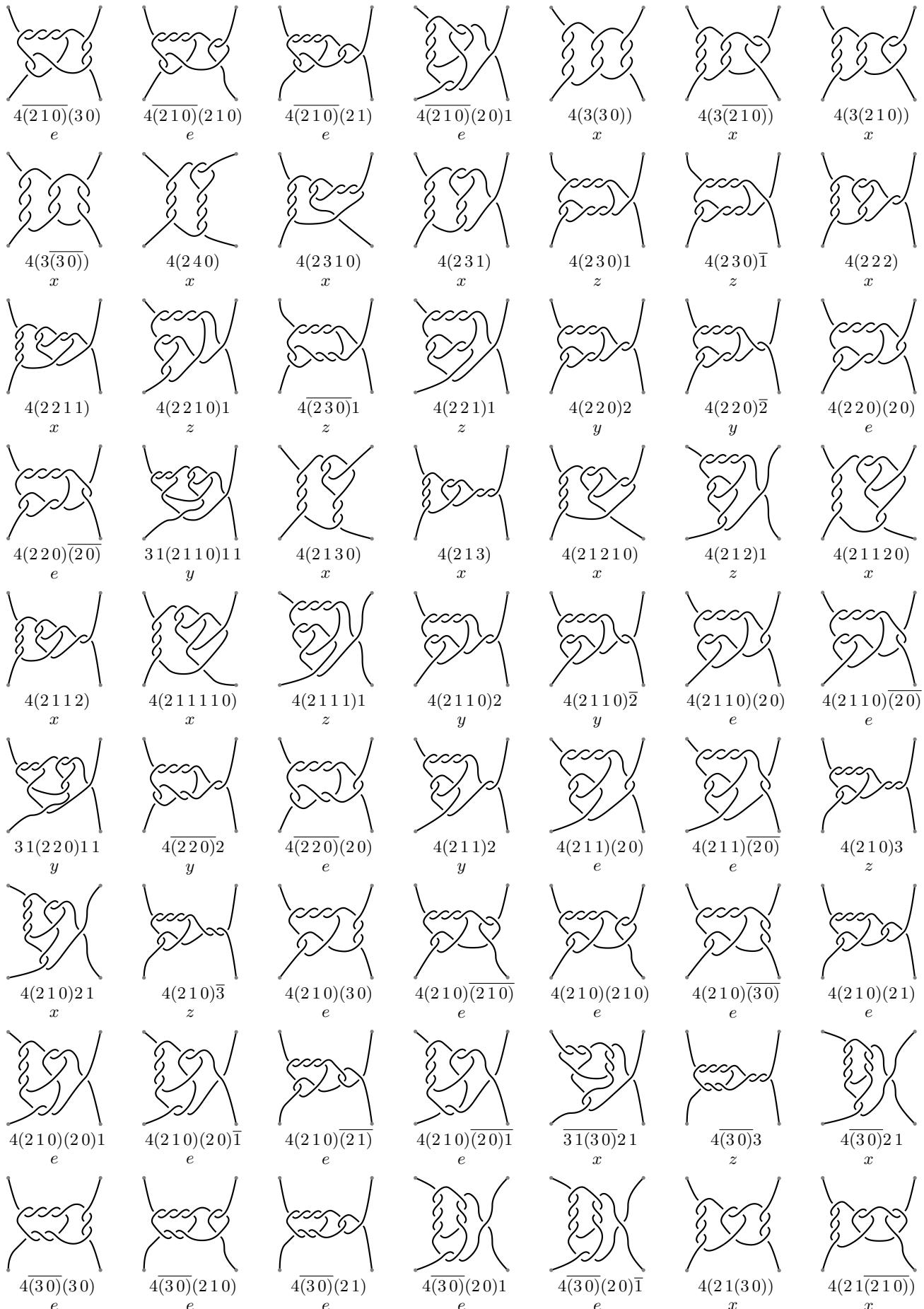
Tangles 1460 – 1522 (no loops)



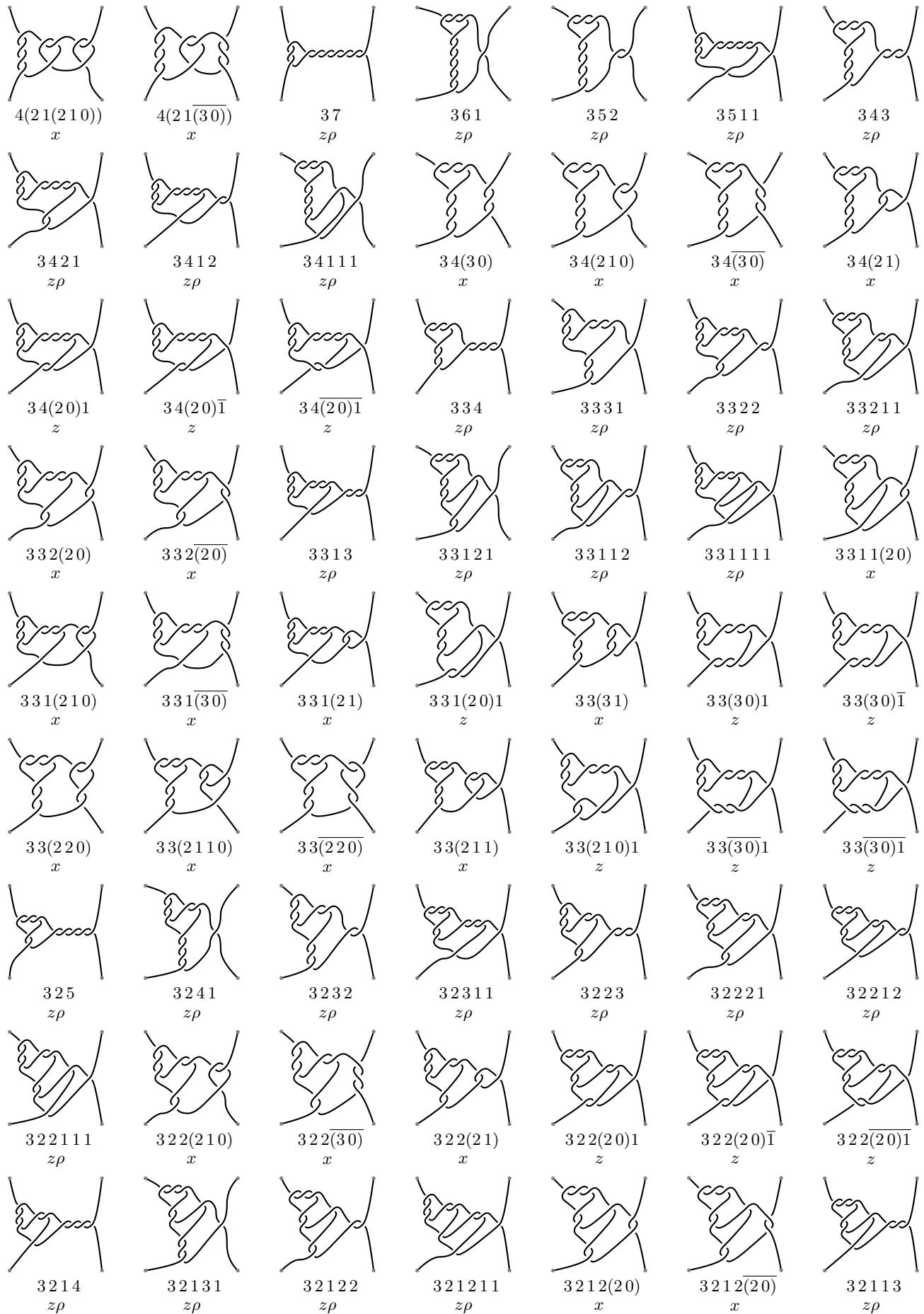
Tangles 1523 – 1585 (no loops)



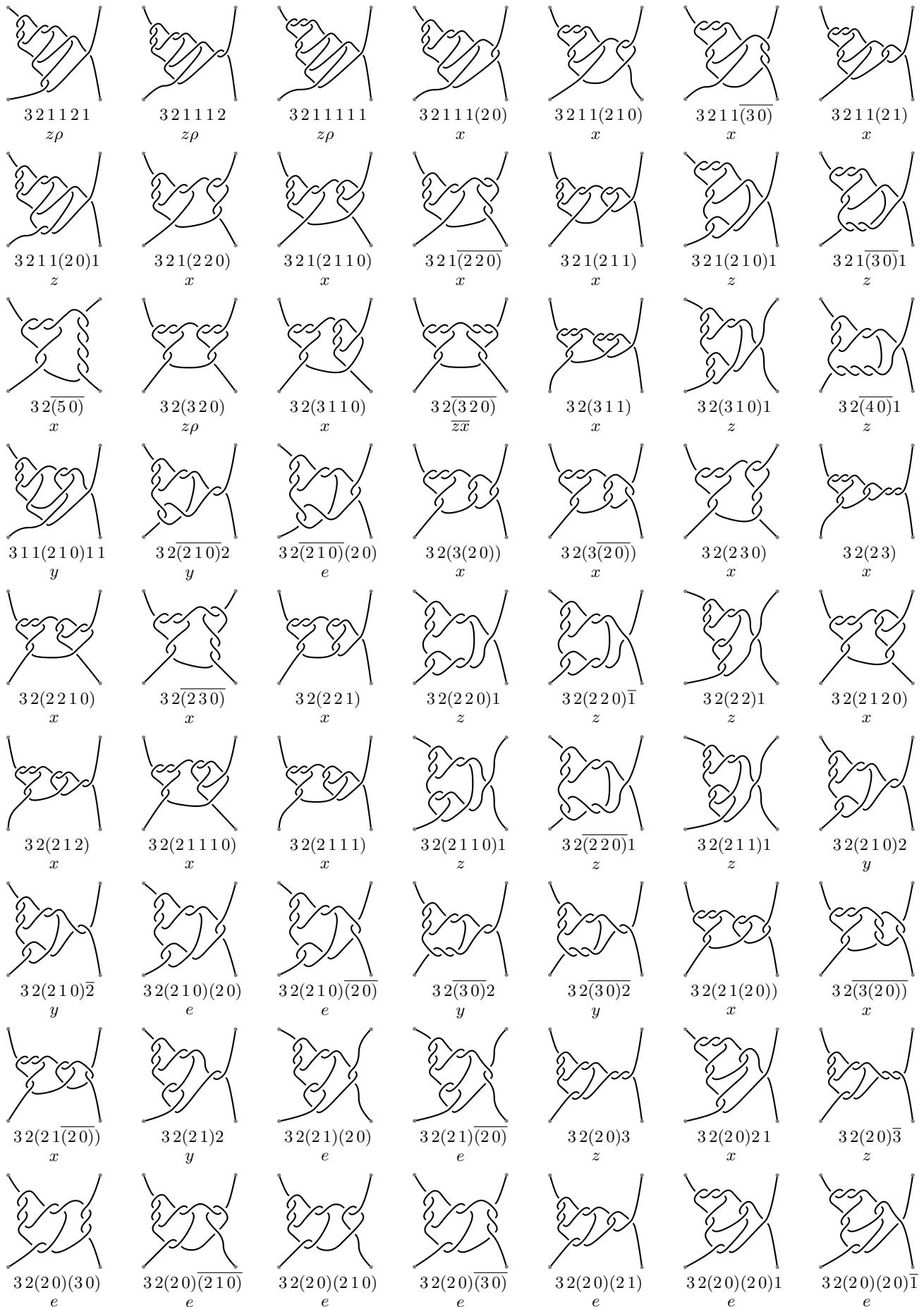
Tangles 1586 – 1648 (no loops)



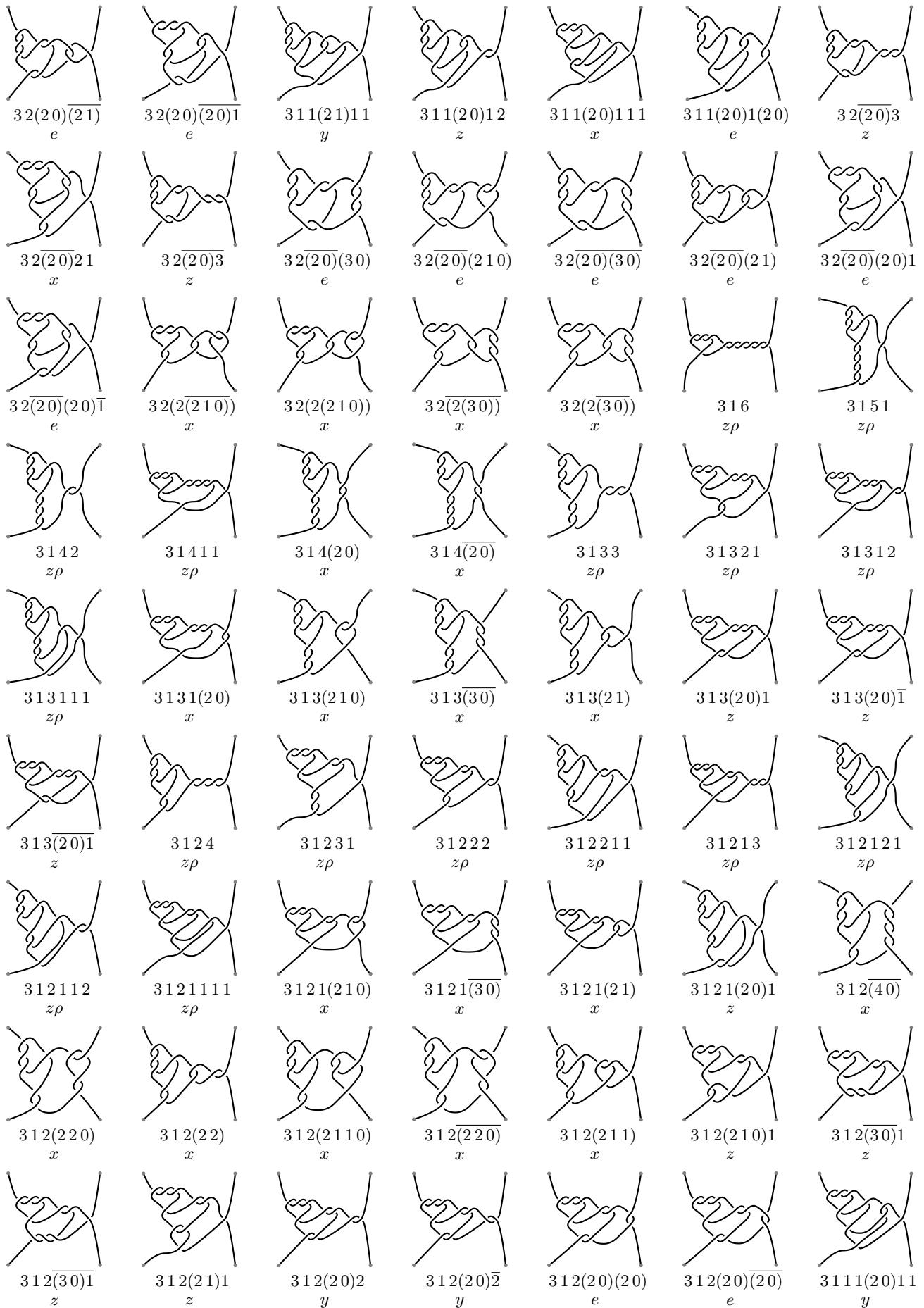
## Tangles 1649 – 1711 (no loops)



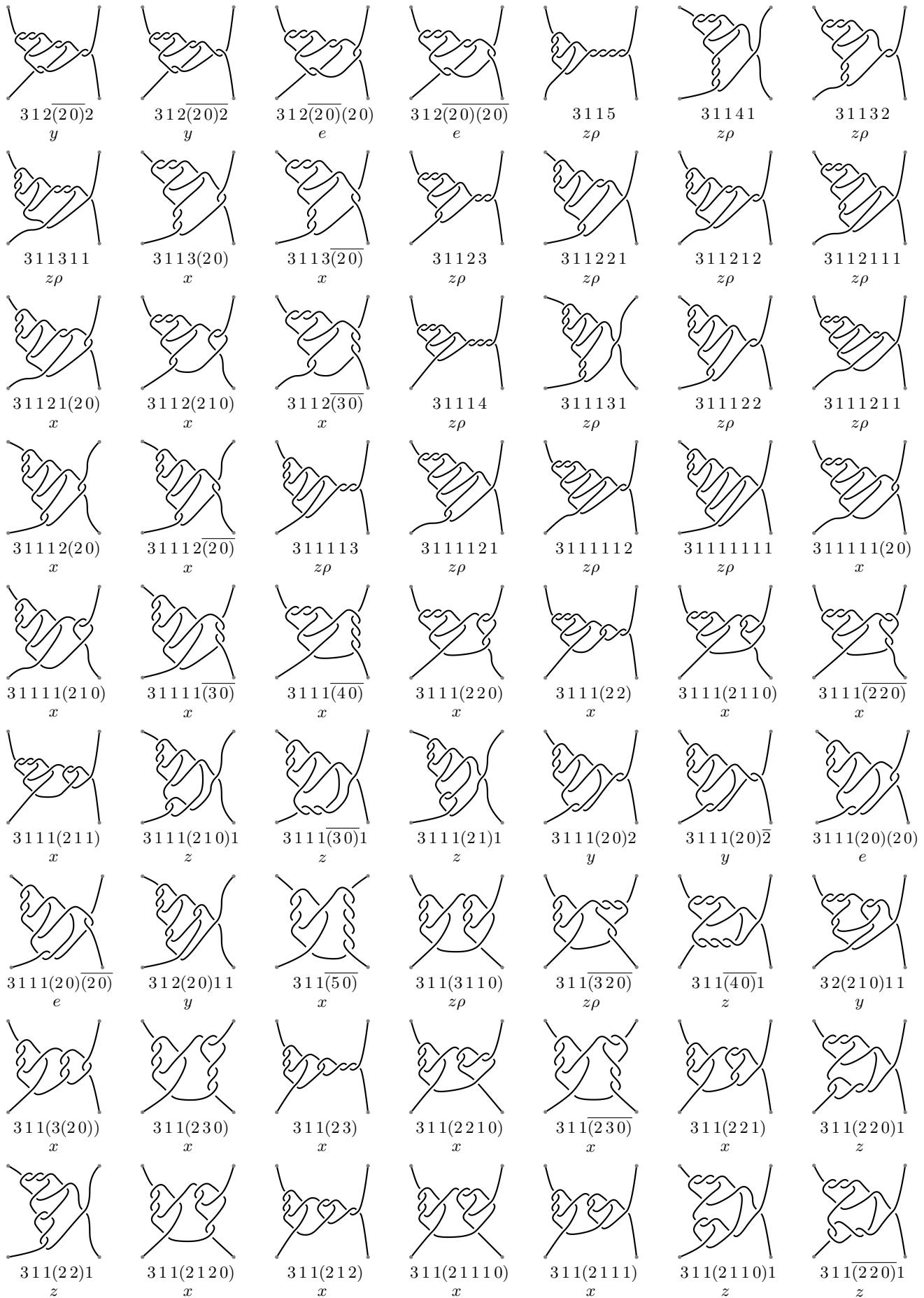
Tangles 1712 – 1774 (no loops)



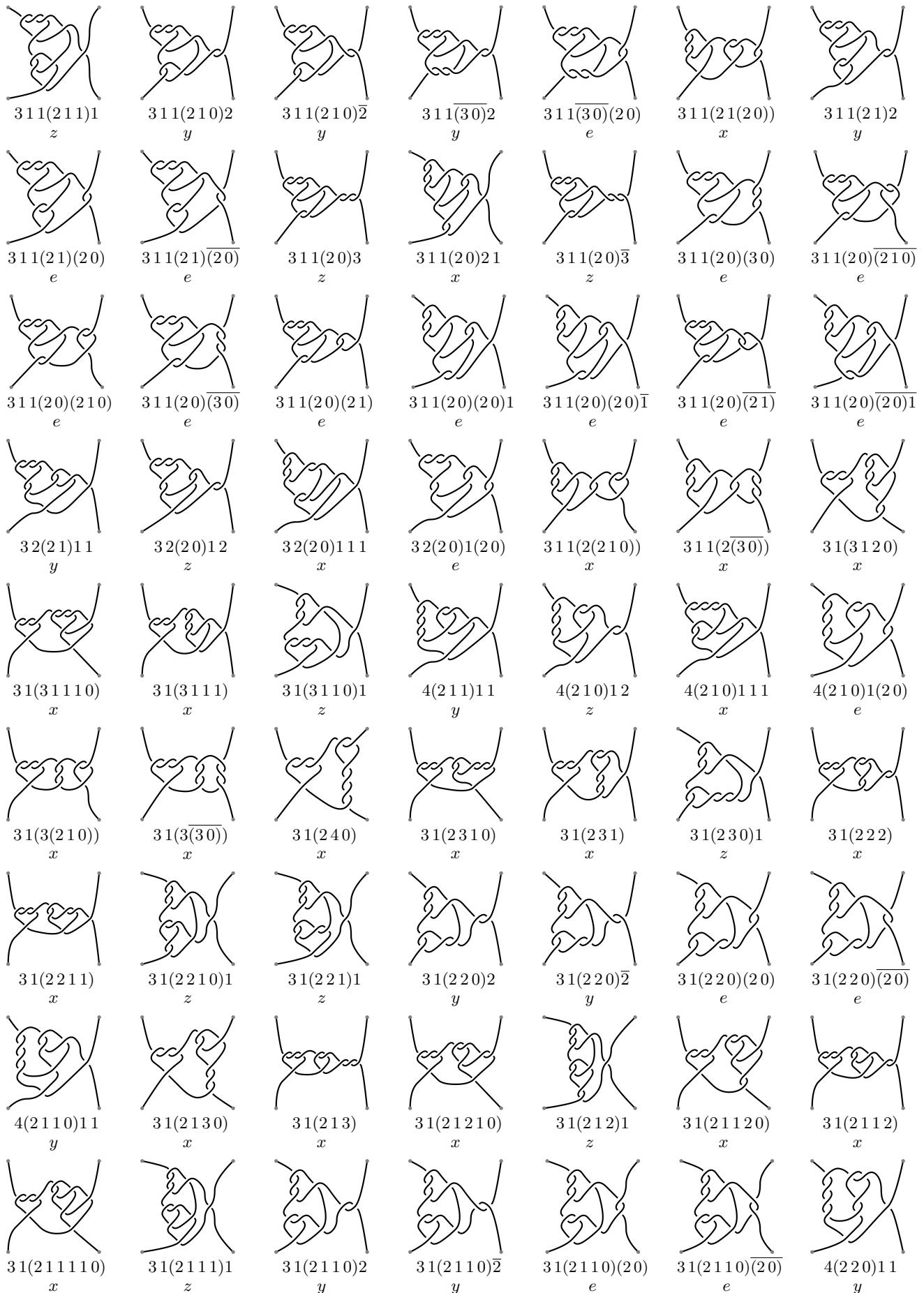
Tangles 1775 – 1837 (no loops)



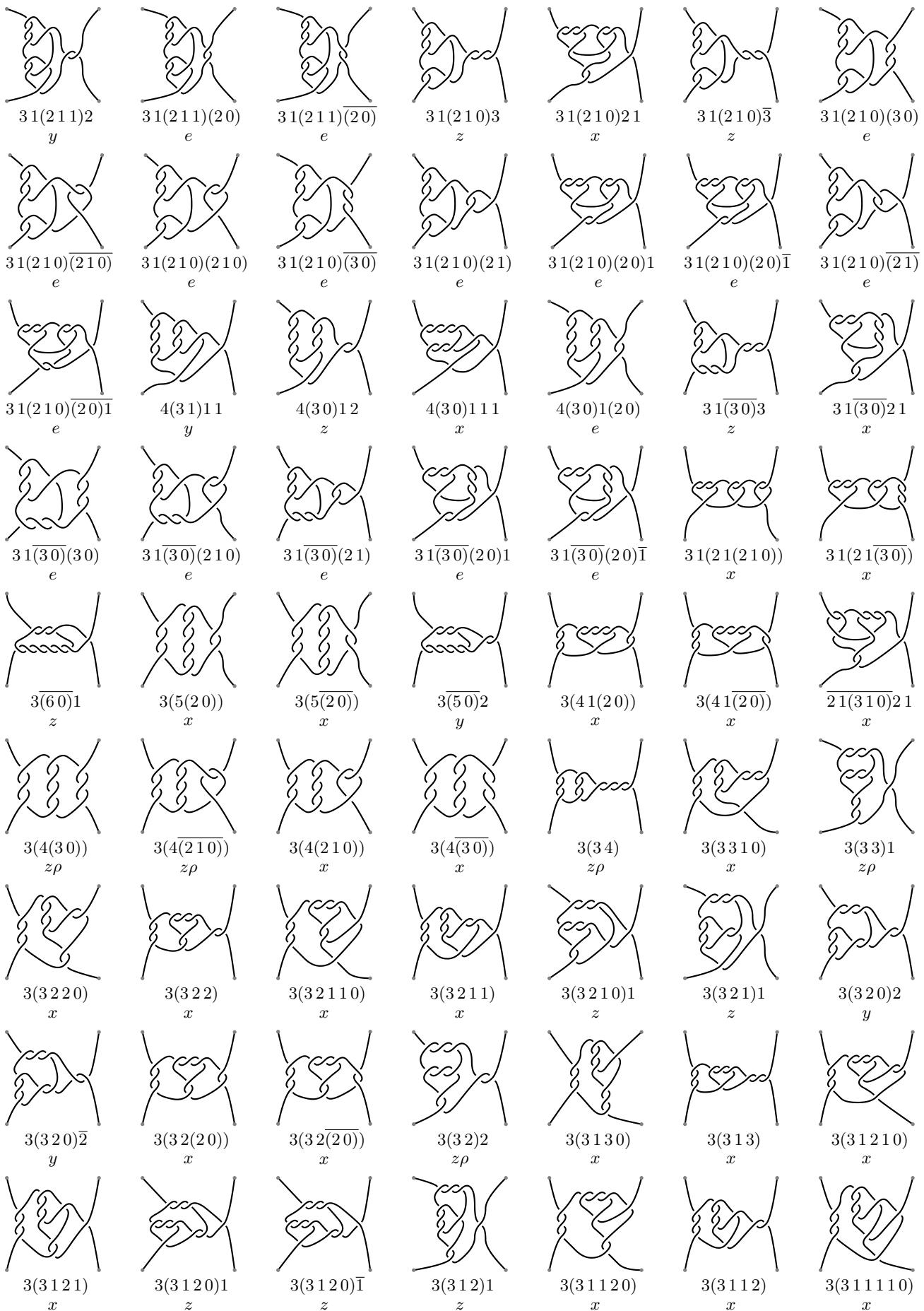
## Tangles 1838 – 1900 (no loops)



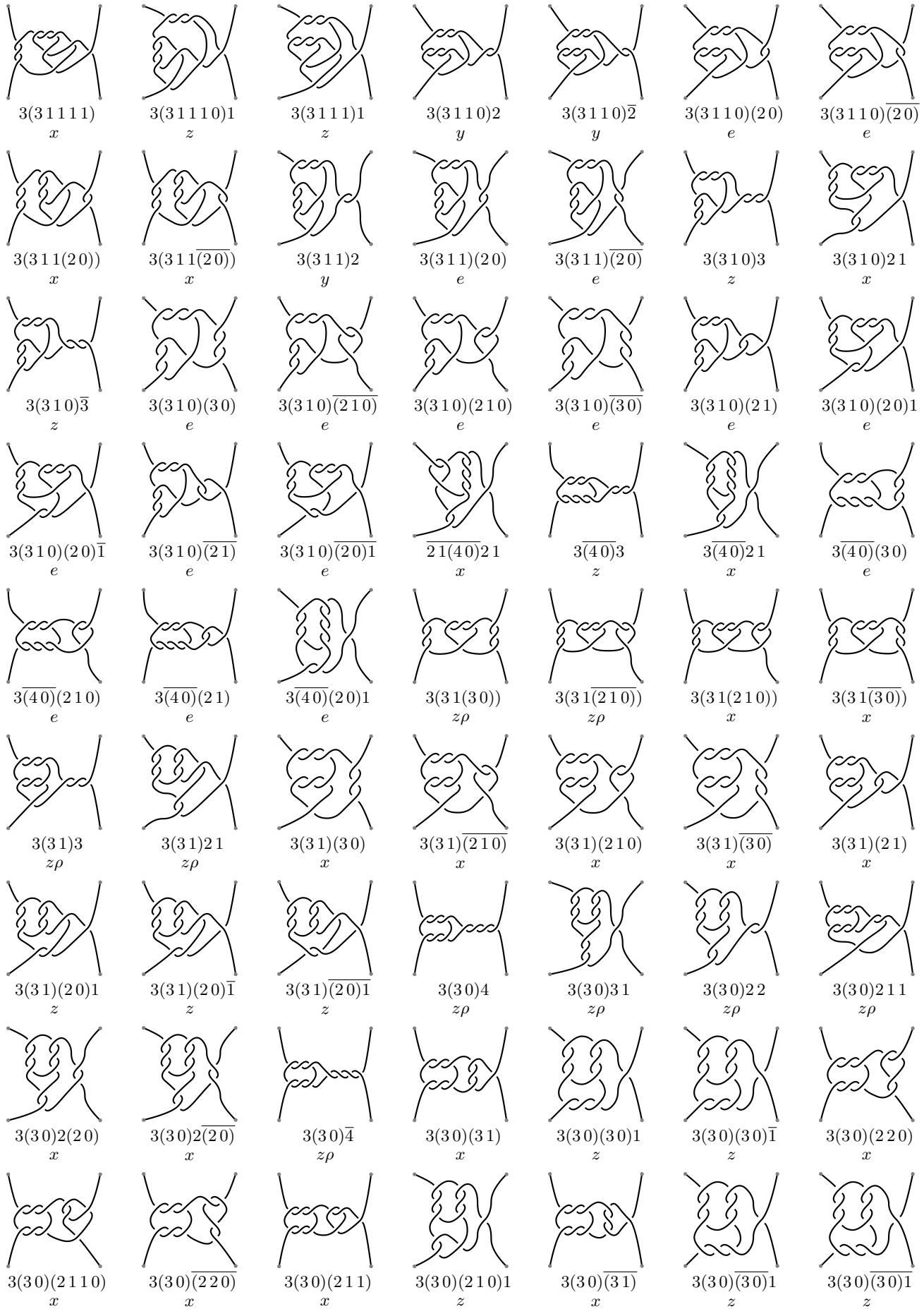
## Tangles 1901 – 1963 (no loops)



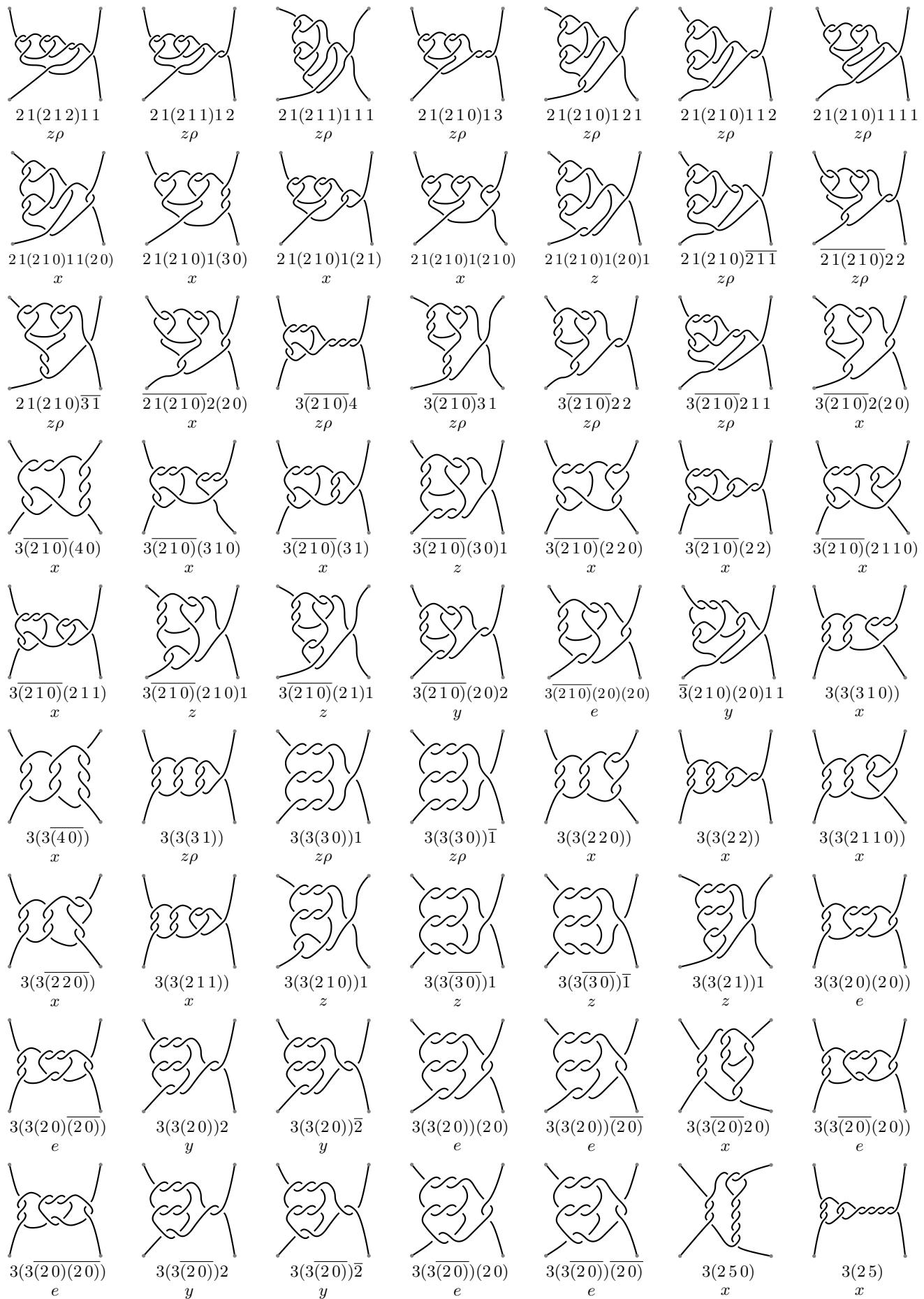
Tangles 1964 – 2026 (no loops)



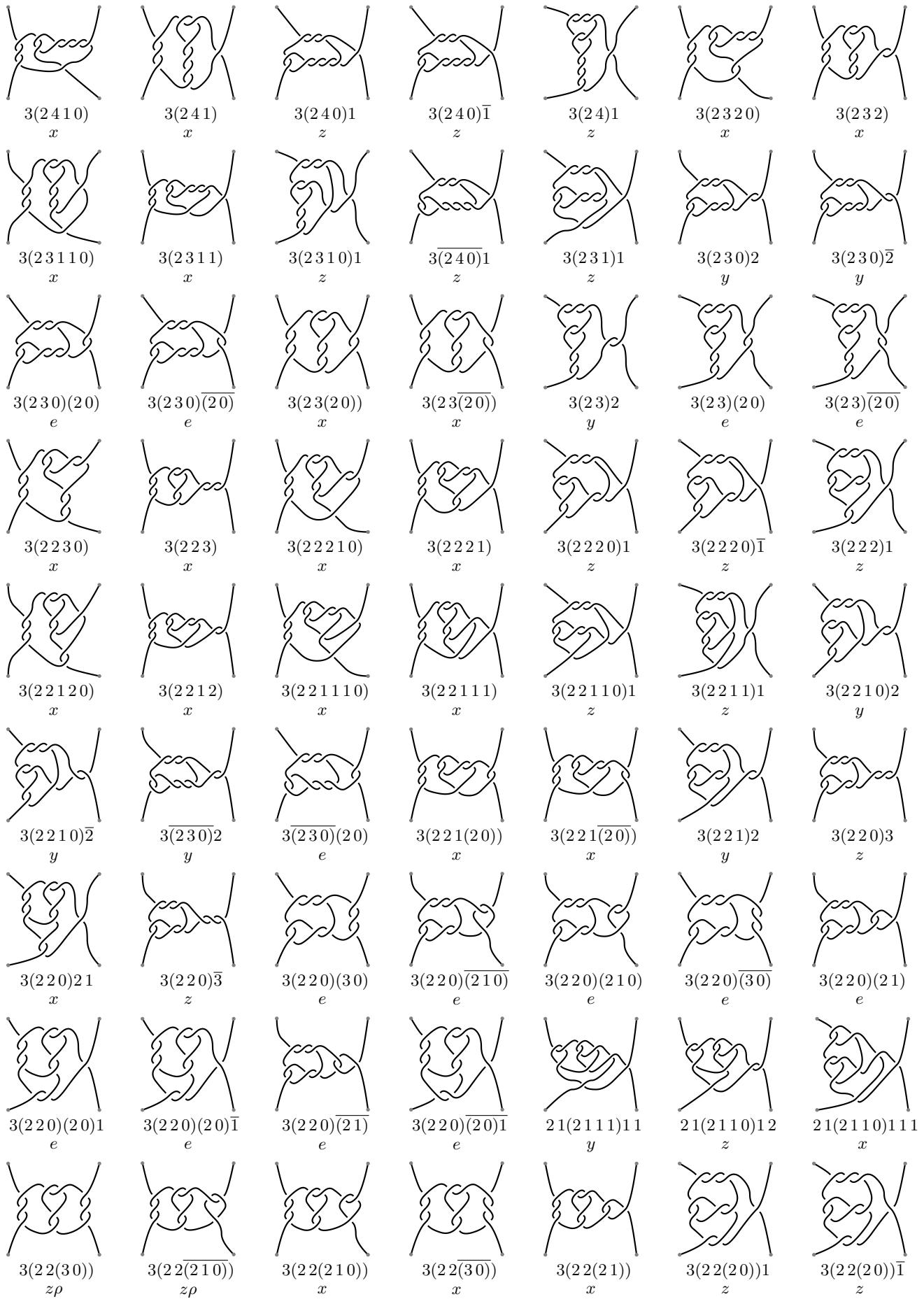
Tangles 2027 – 2089 (no loops)



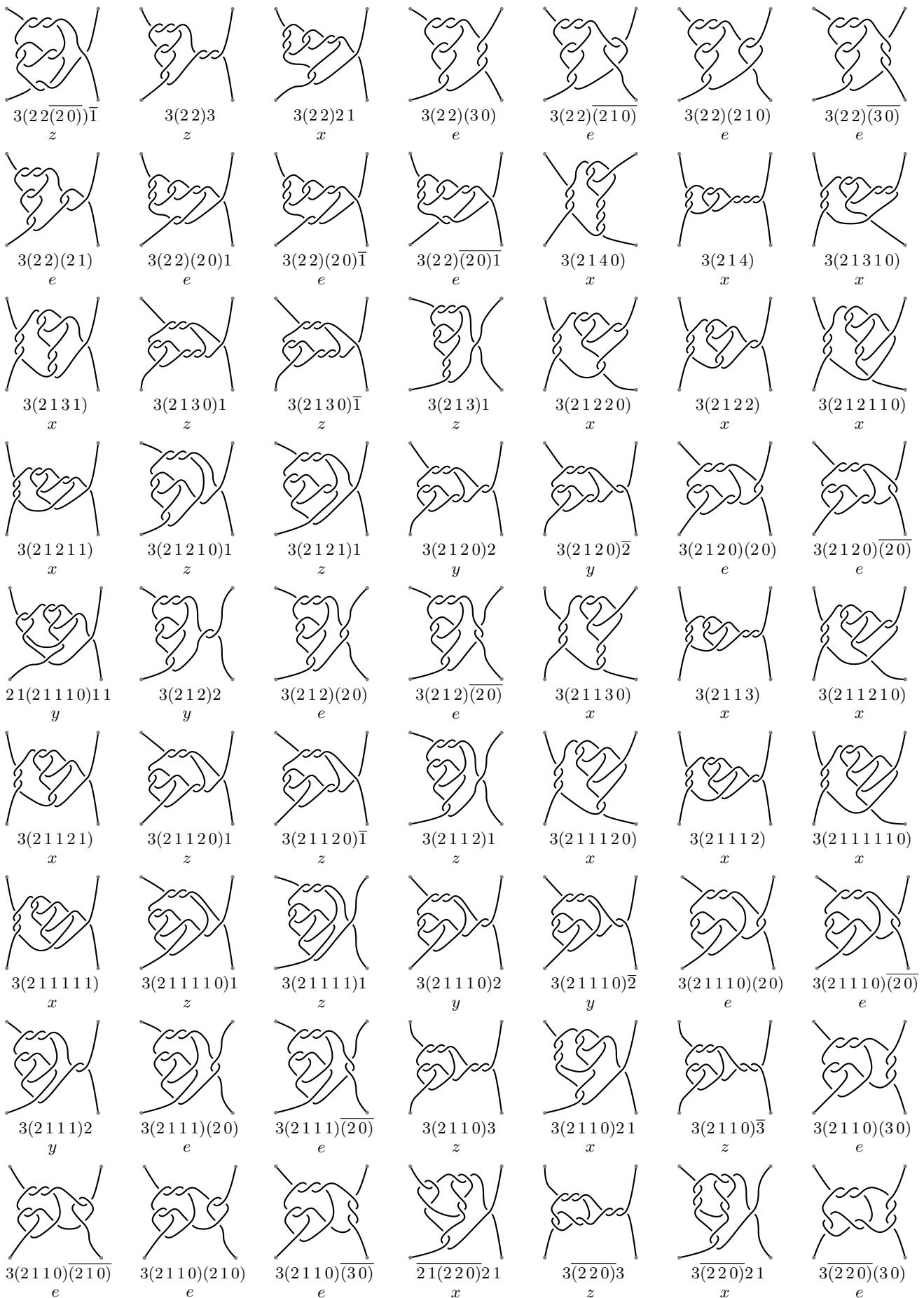
Tangles 2090 – 2152 (no loops)



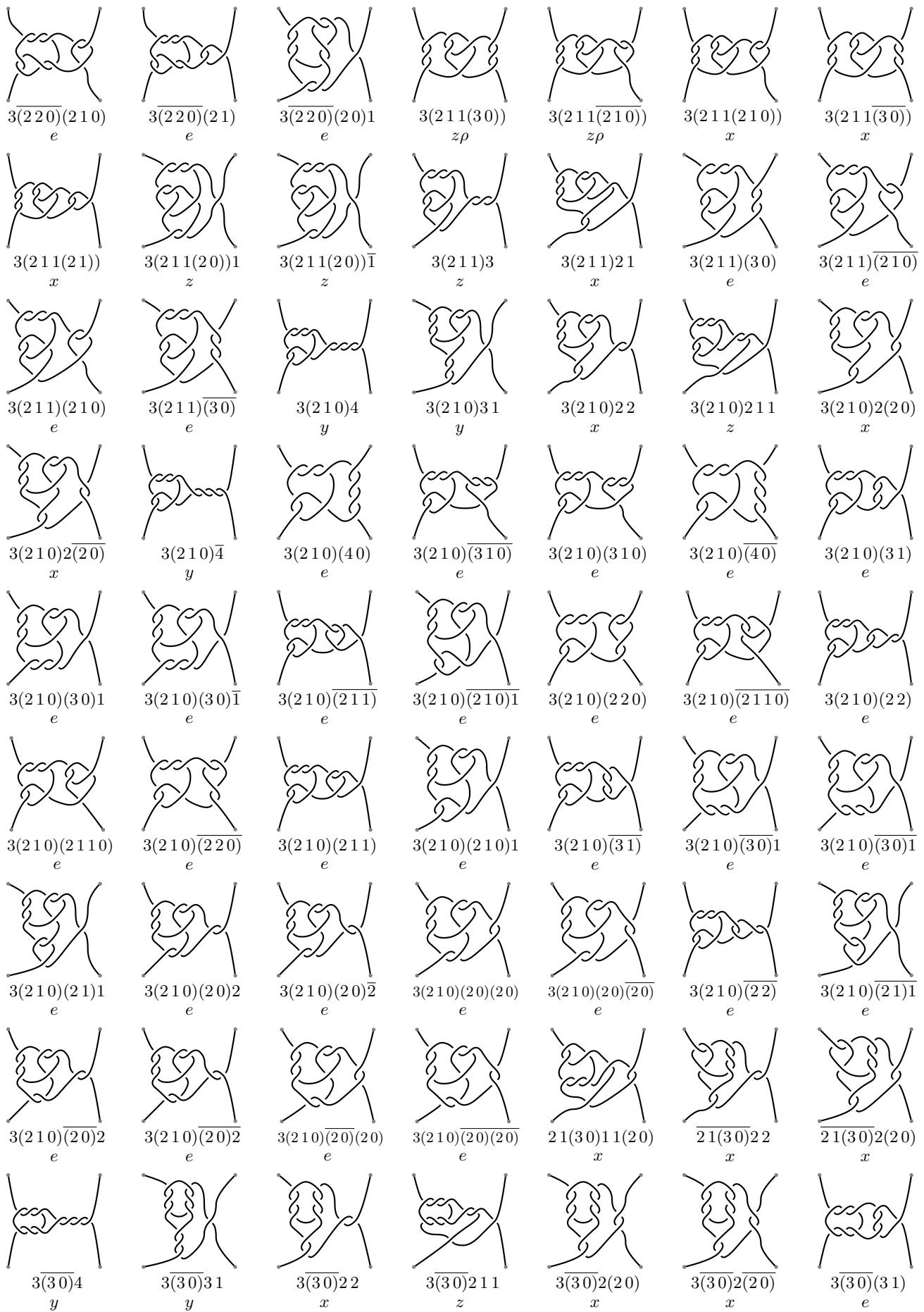
Tangles 2153 – 2215 (no loops)



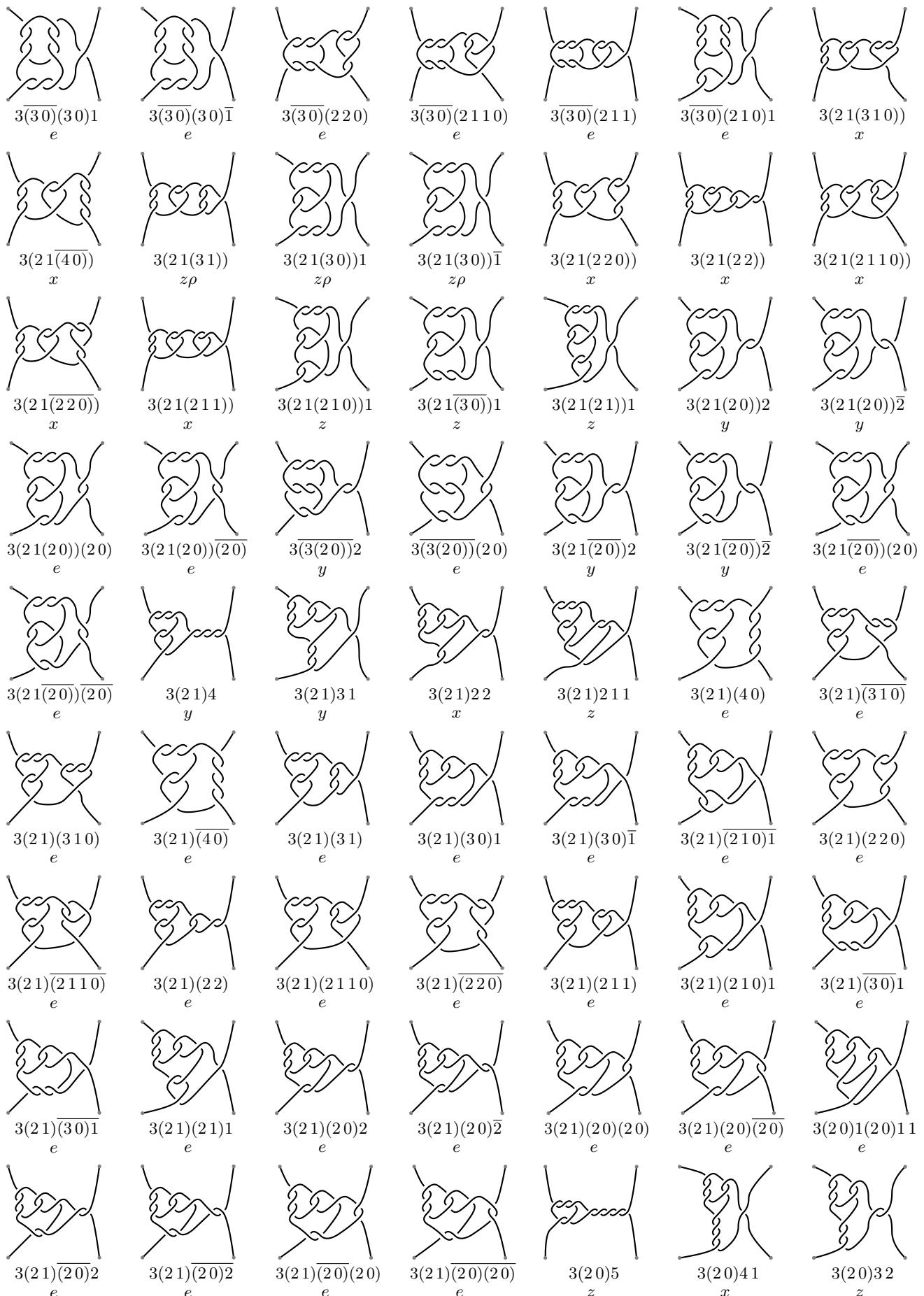
Tangles 2216 – 2278 (no loops)



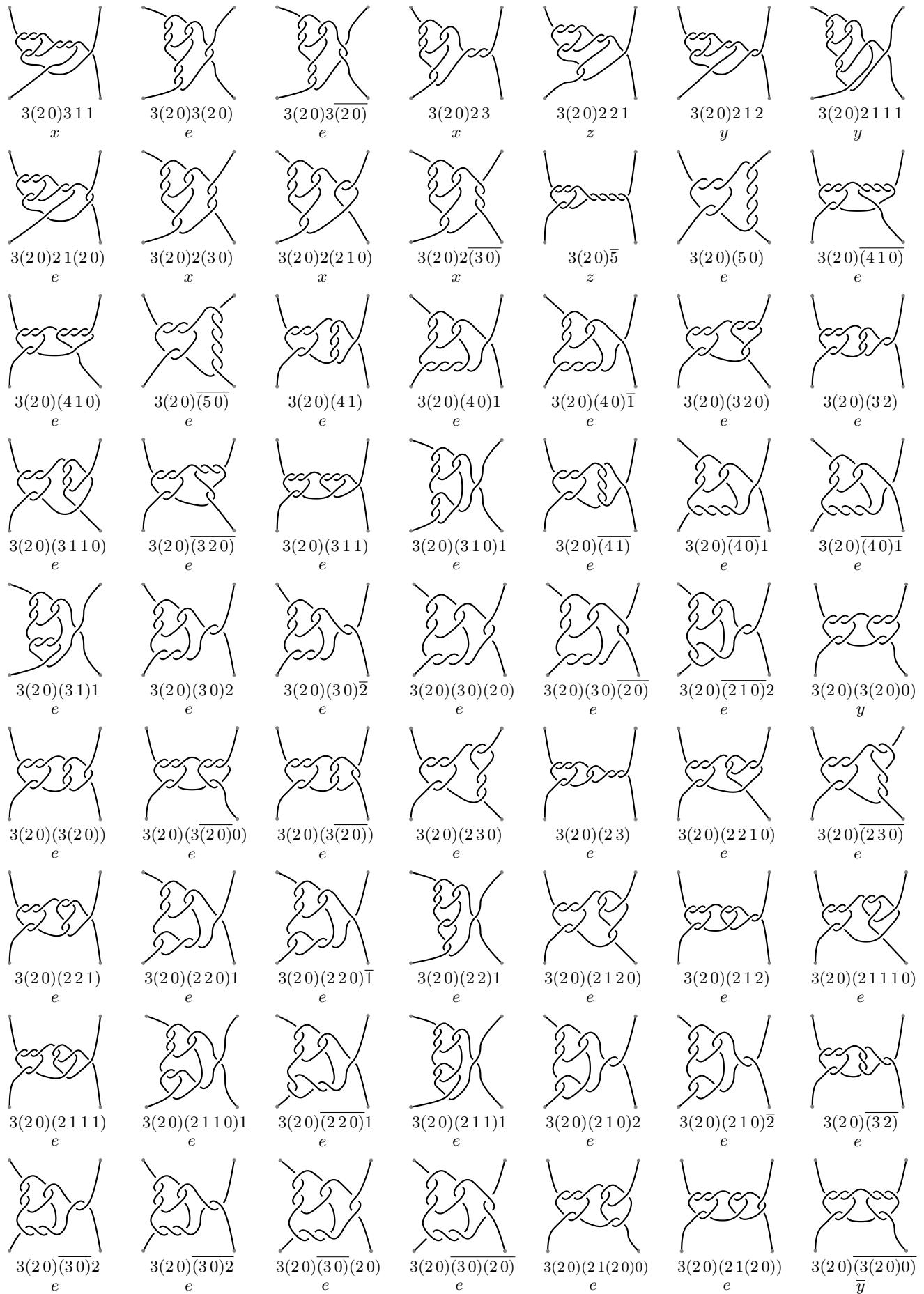
Tangles 2279 – 2341 (no loops)



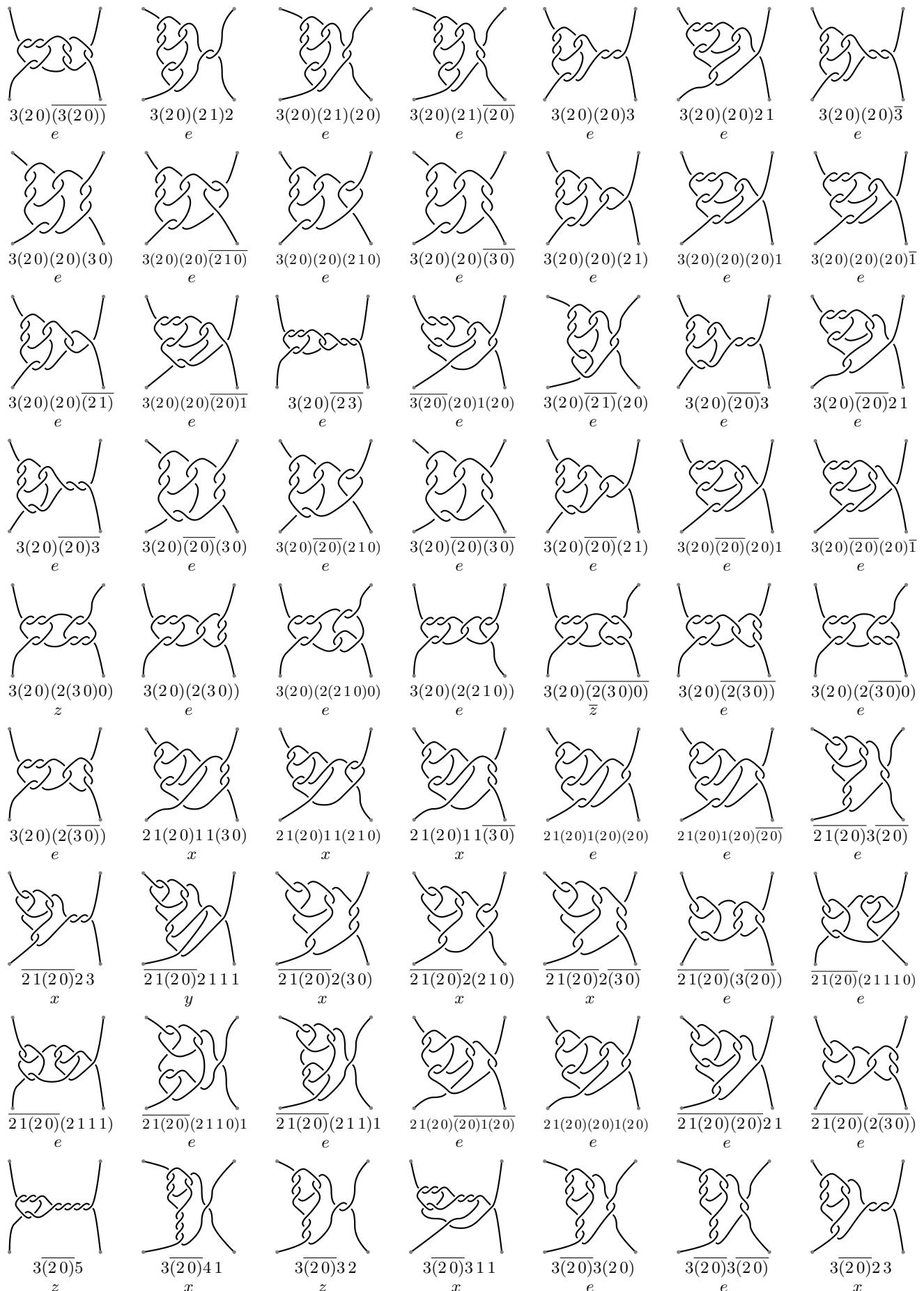
Tangles 2342 – 2404 (no loops)



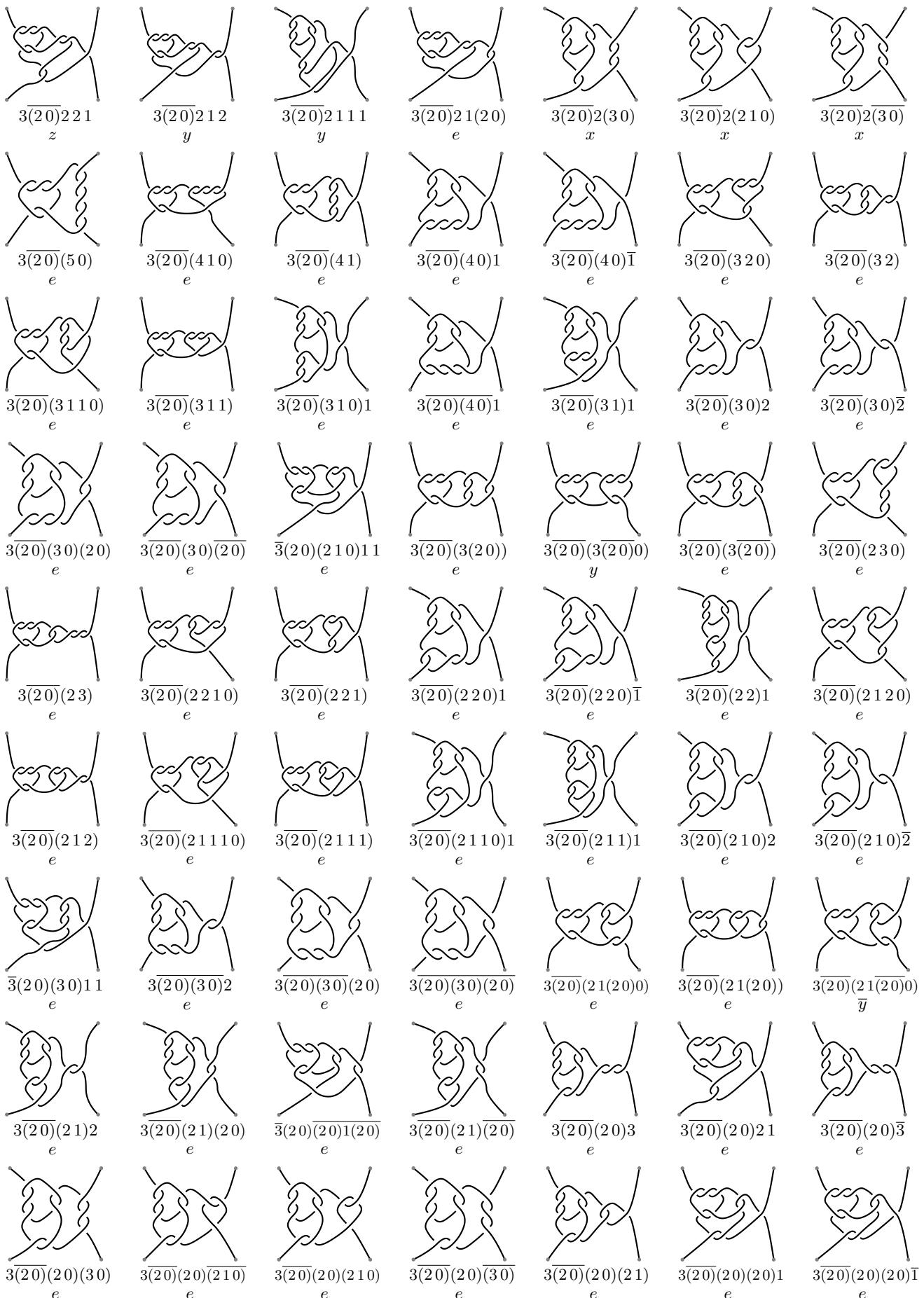
Tangles 2405 – 2467 (no loops)



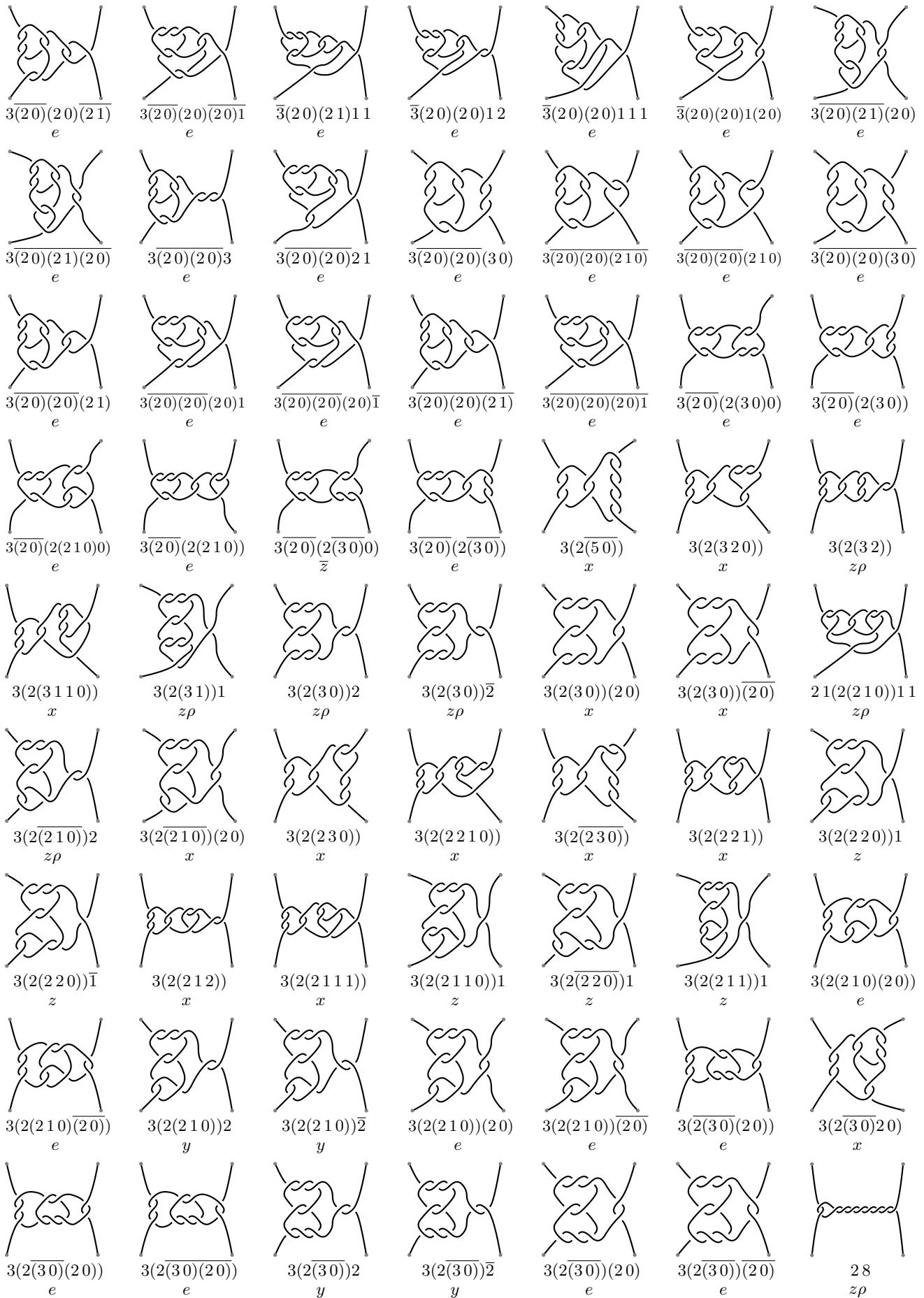
Tangles 2468 – 2530 (no loops)



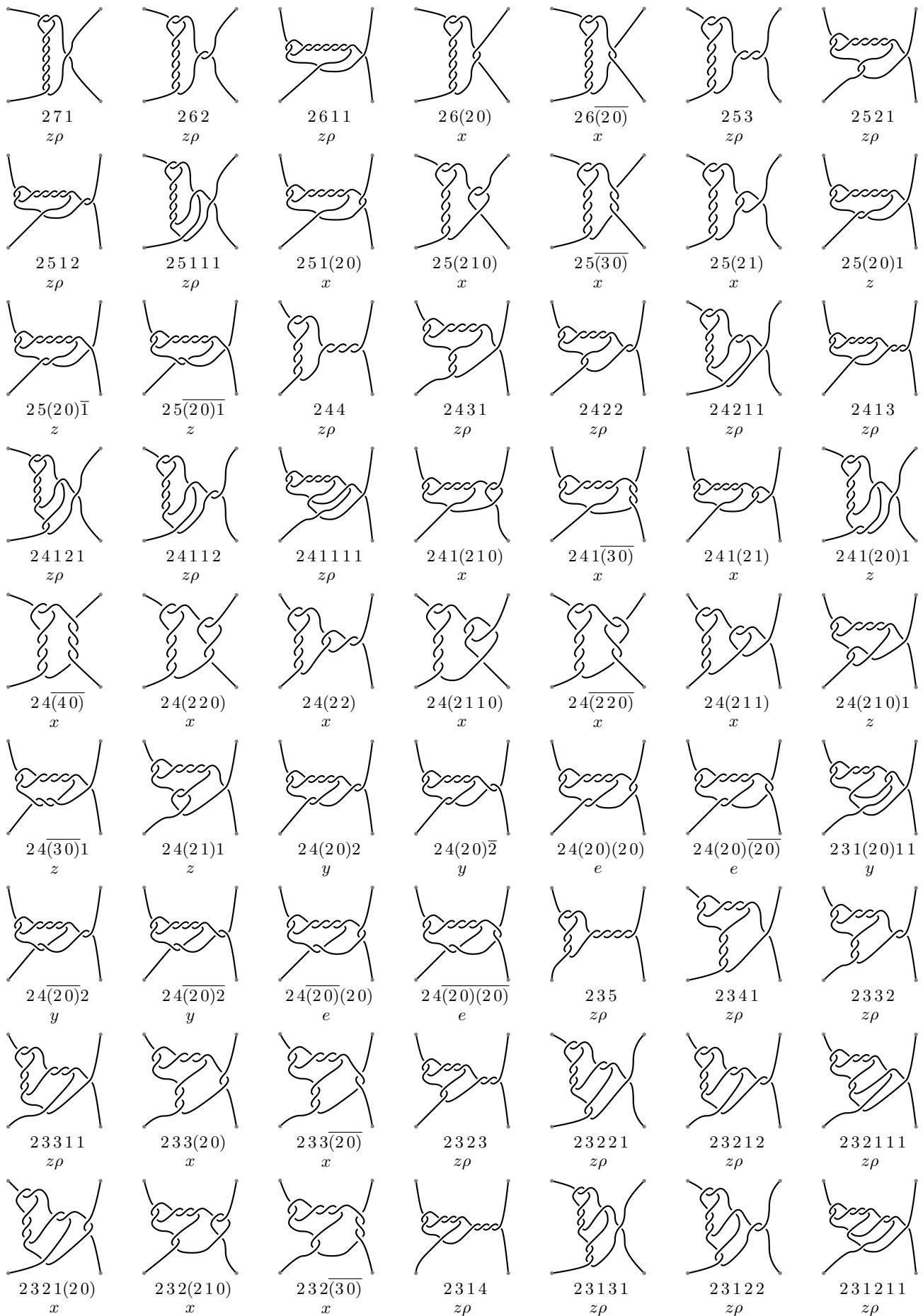
Tangles 2531 – 2593 (no loops)



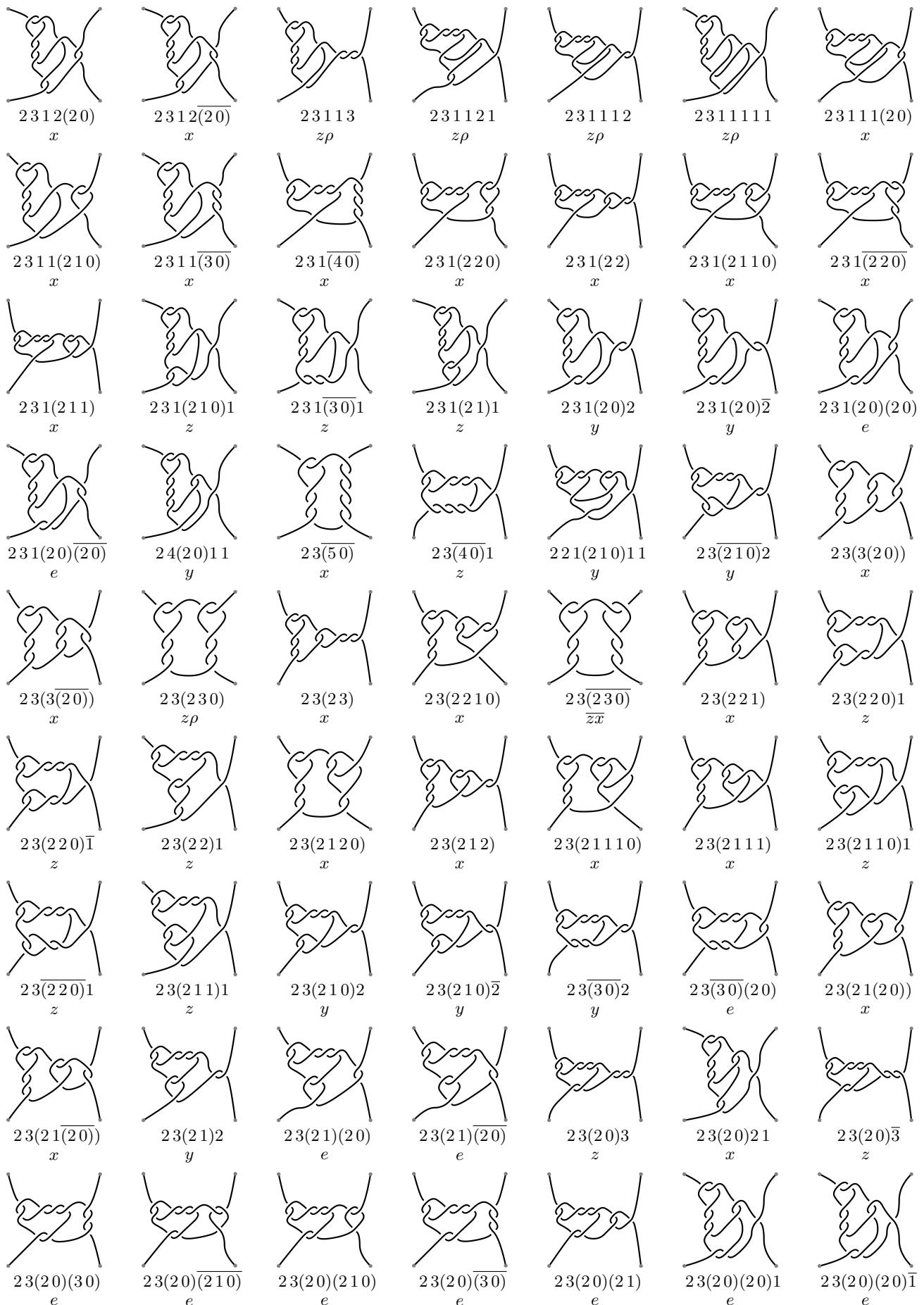
Tangles 2594 – 2656 (no loops)



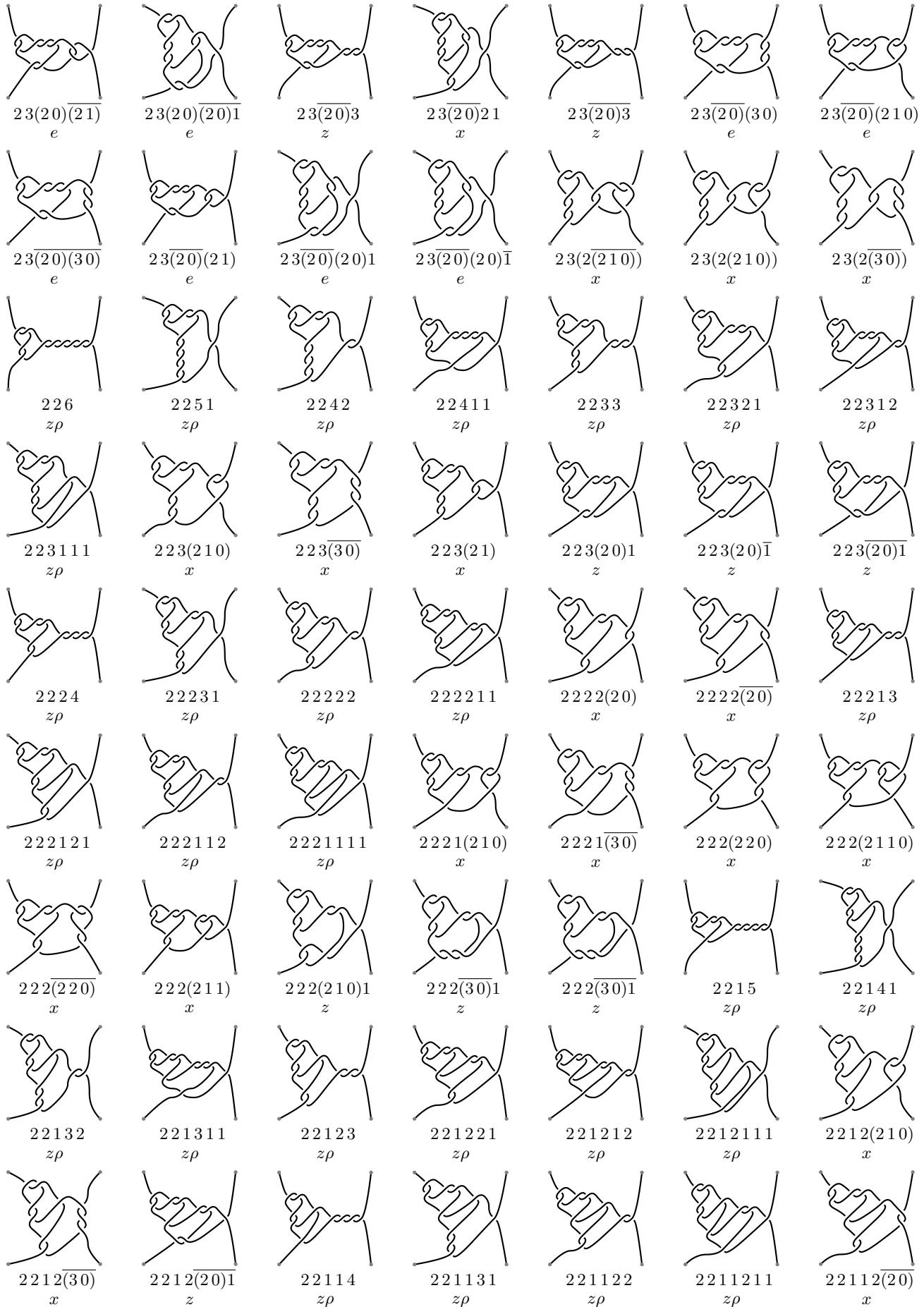
Tangles 2657 – 2719 (no loops)



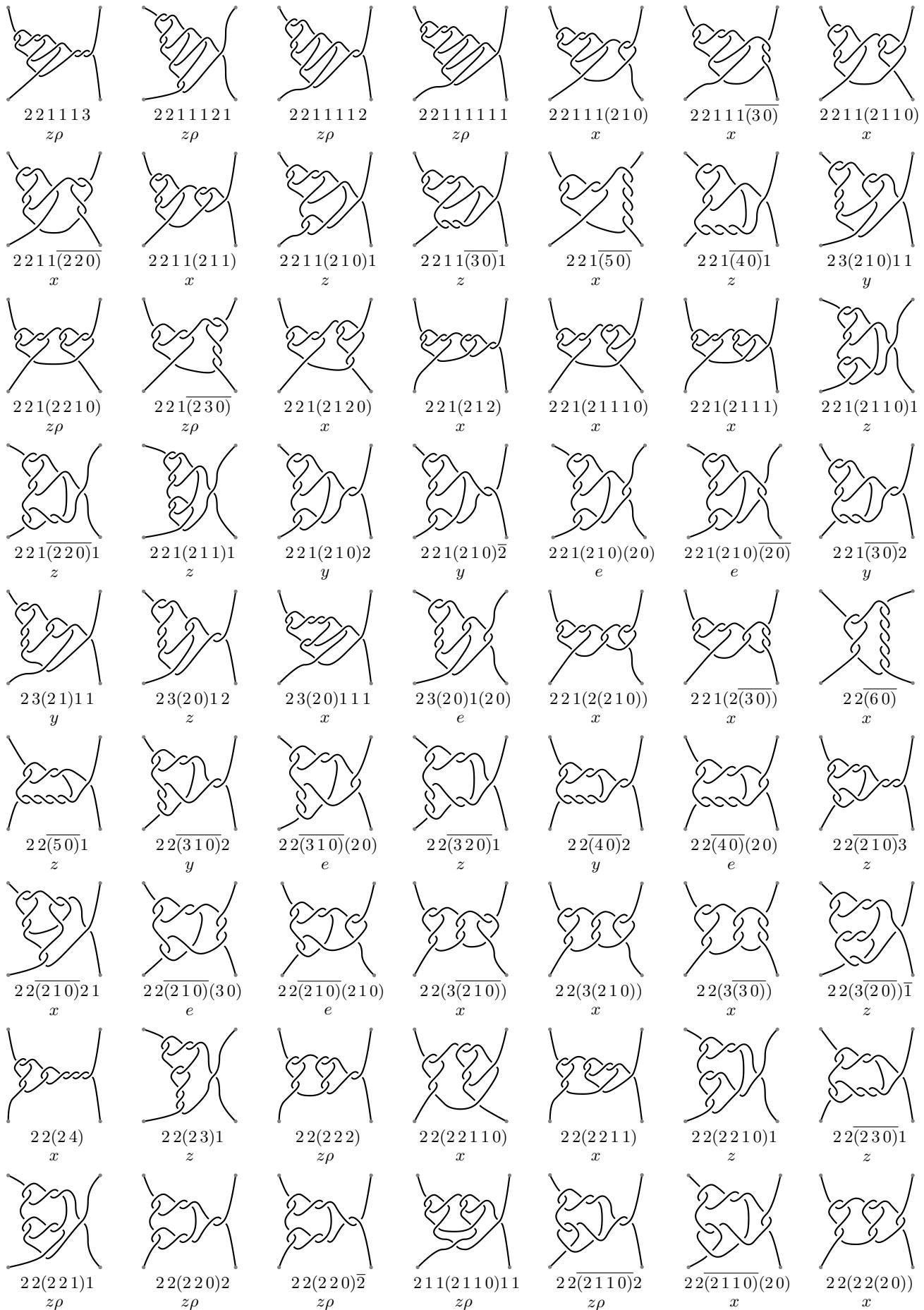
Tangles 2720 – 2782 (no loops)



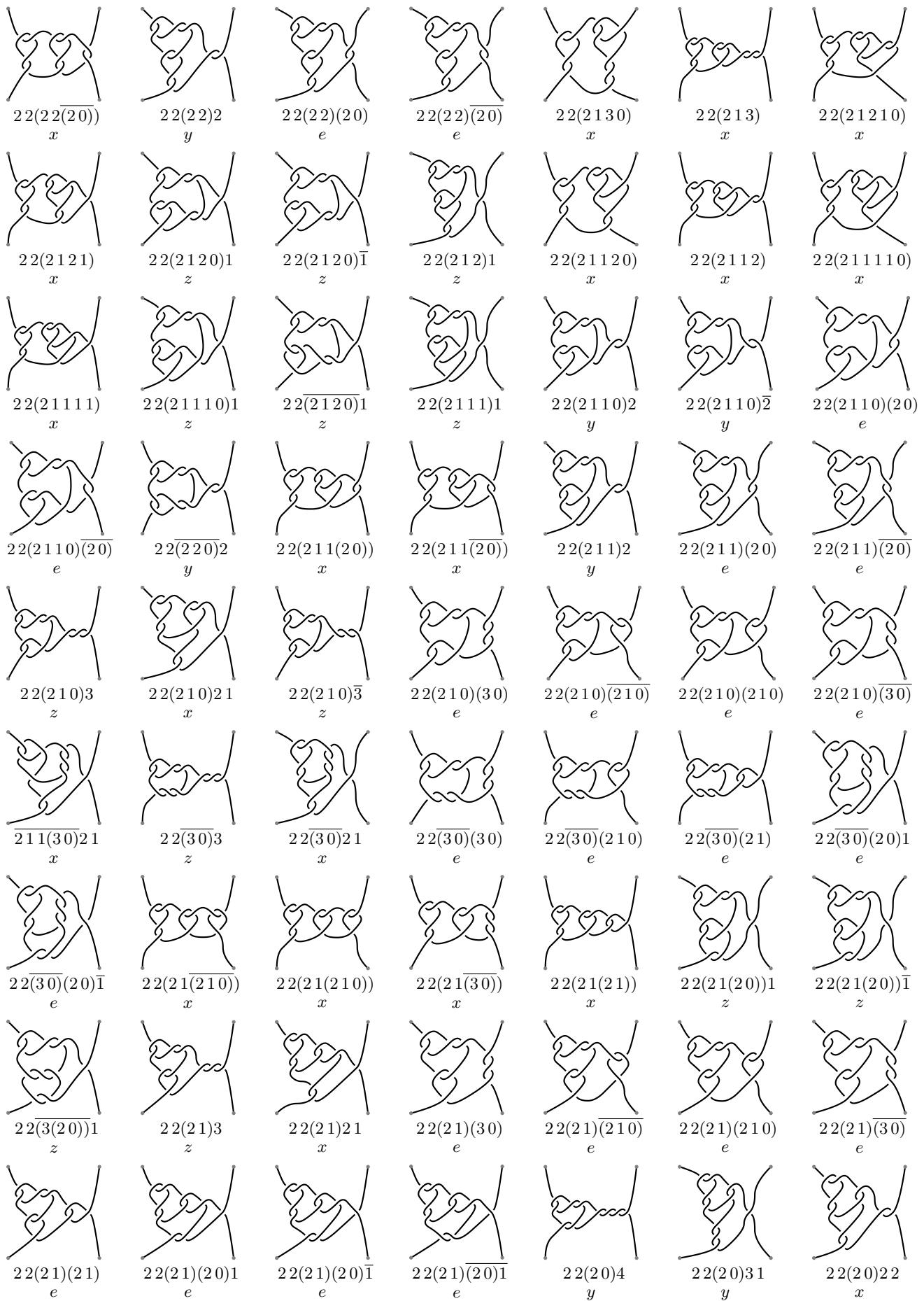
Tangles 2783 – 2845 (no loops)



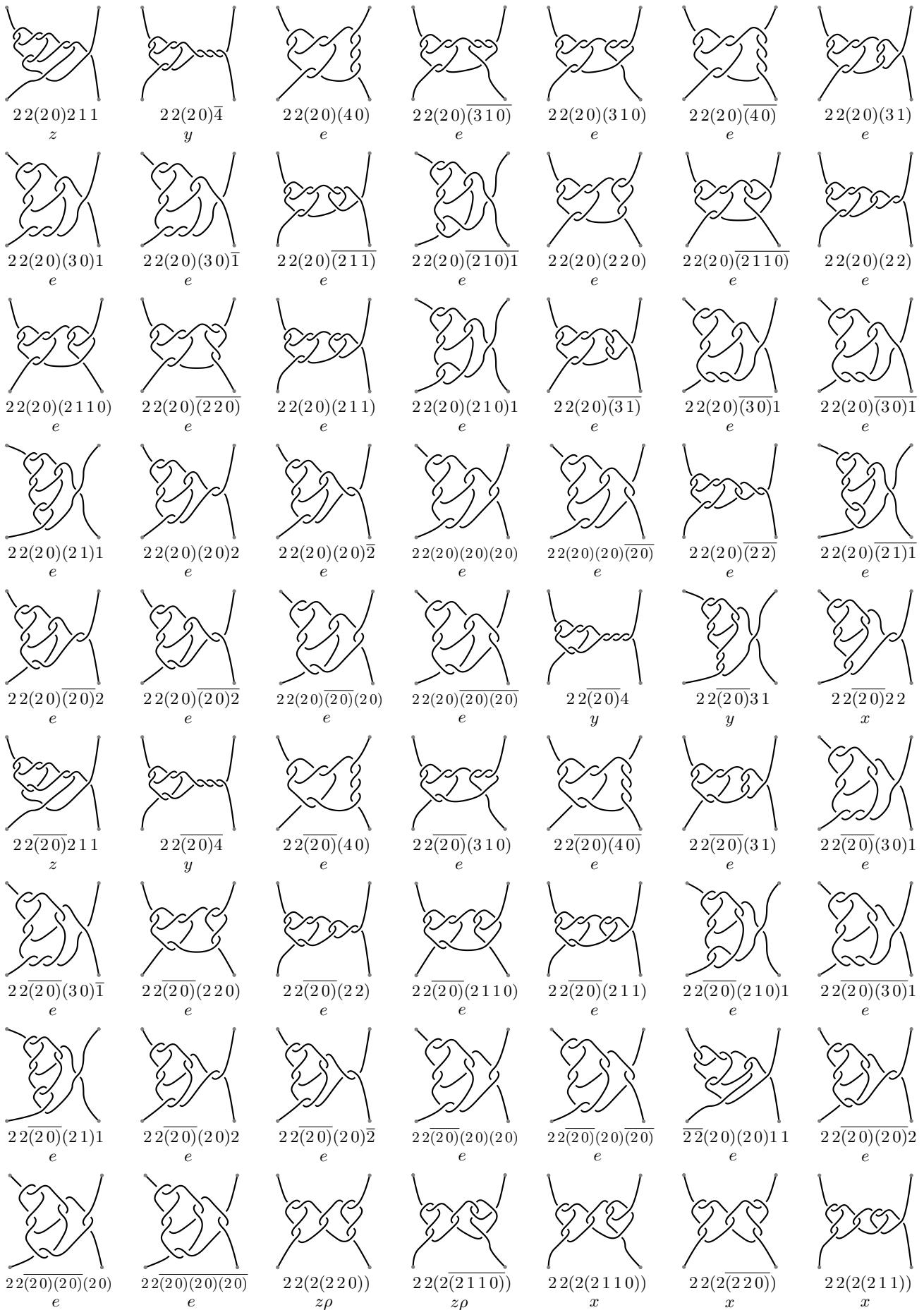
Tangles 2846 – 2908 (no loops)



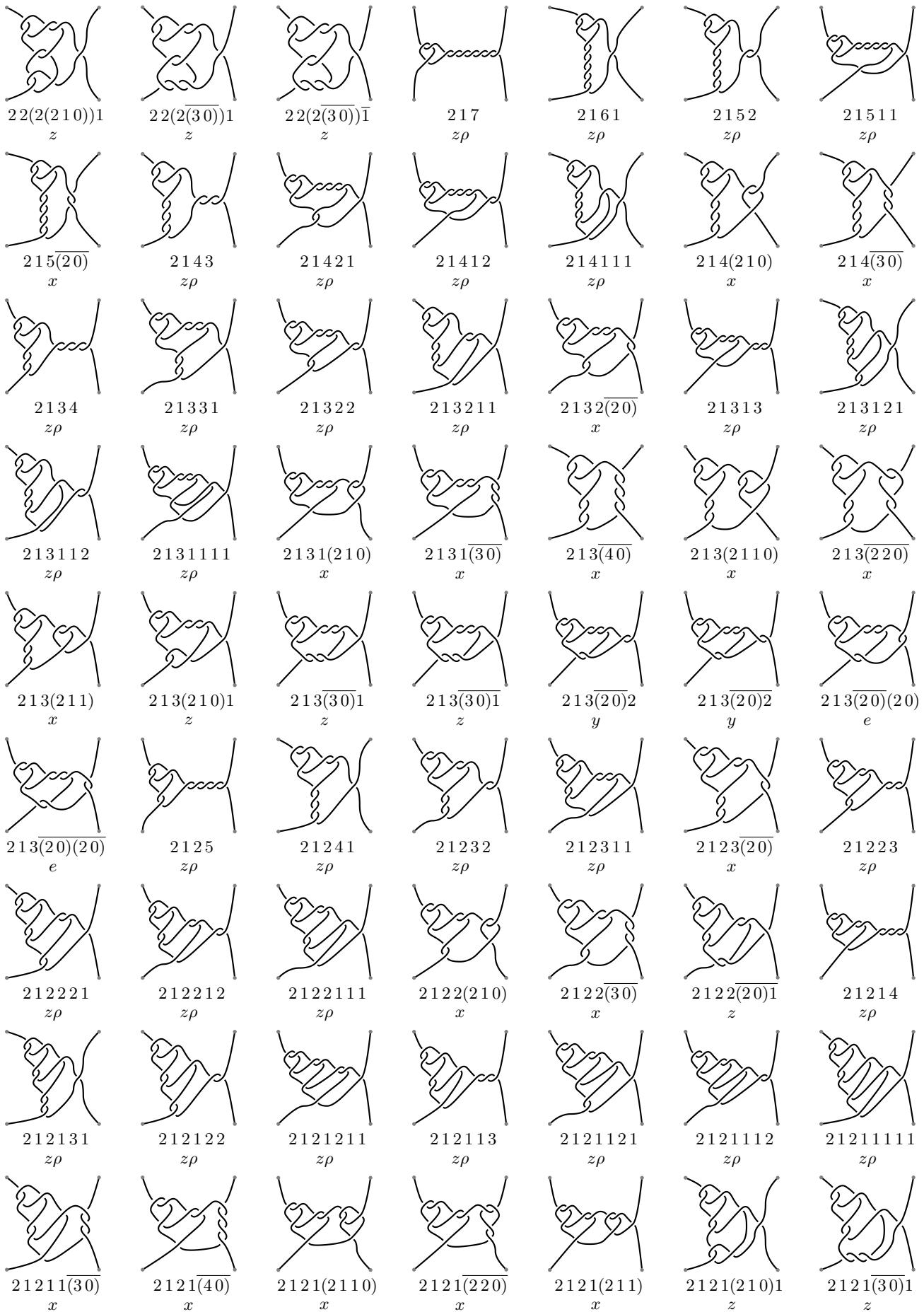
Tangles 2909 – 2971 (no loops)



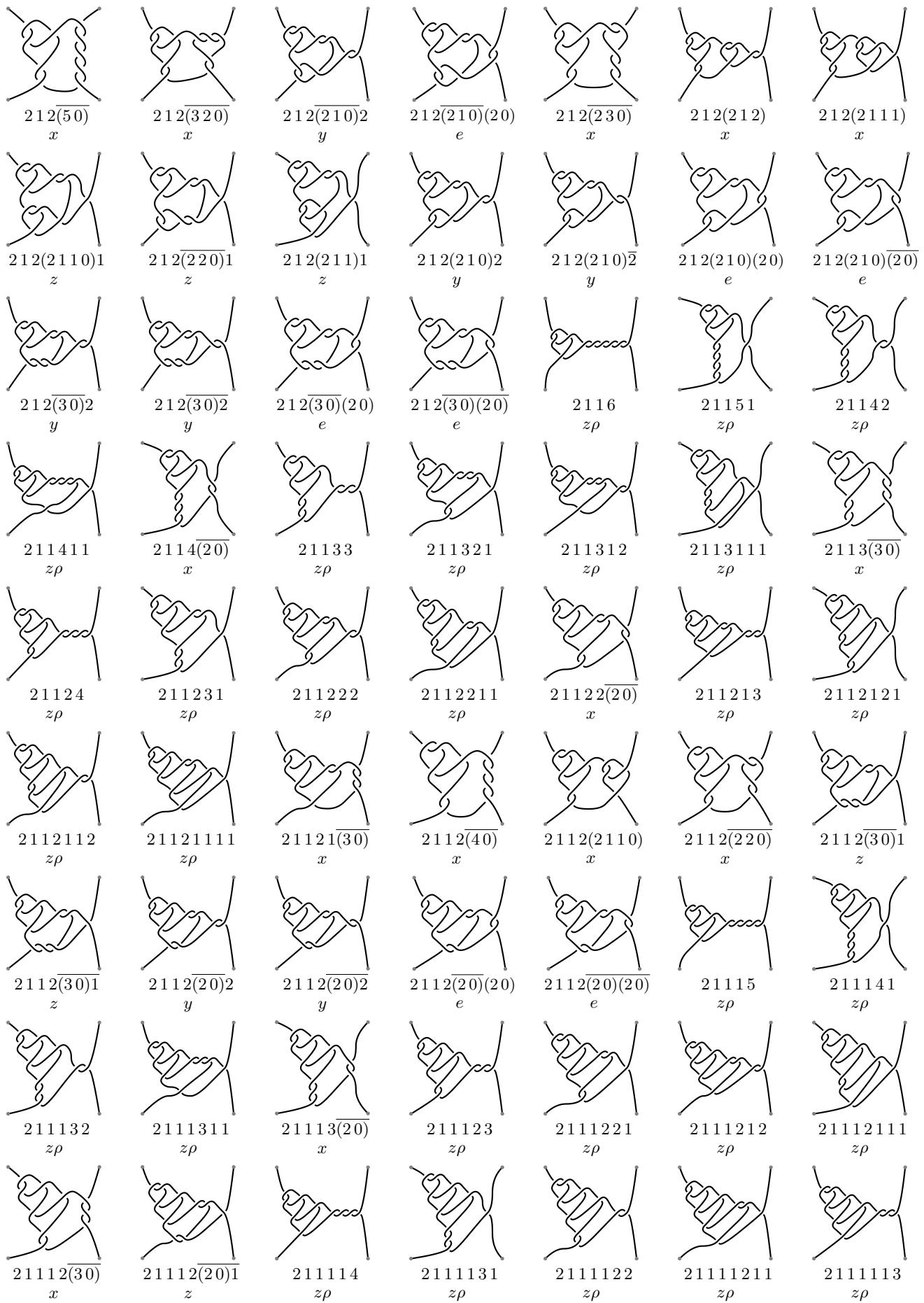
Tangles 2972 – 3034 (no loops)



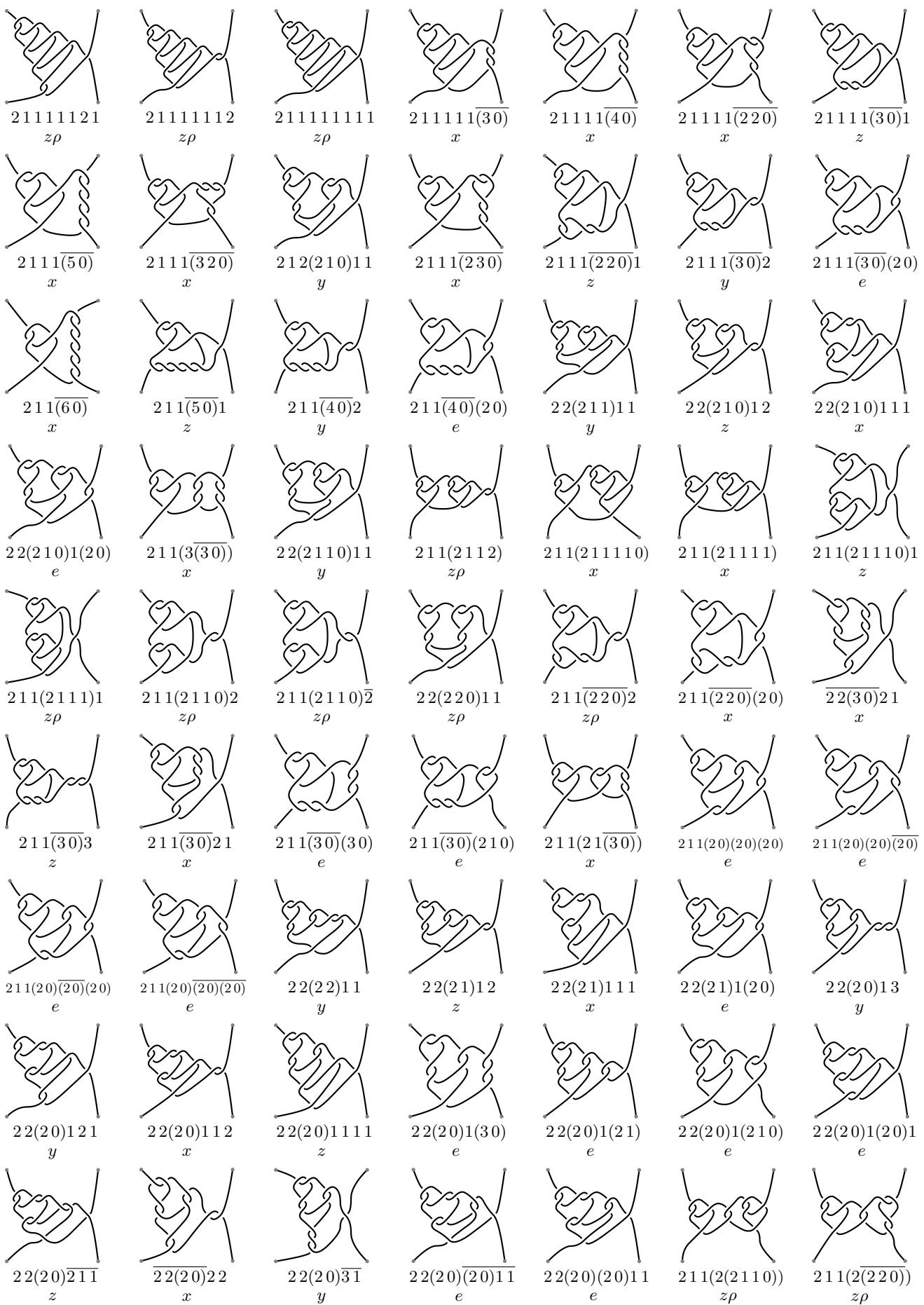
Tangles 3035 – 3097 (no loops)



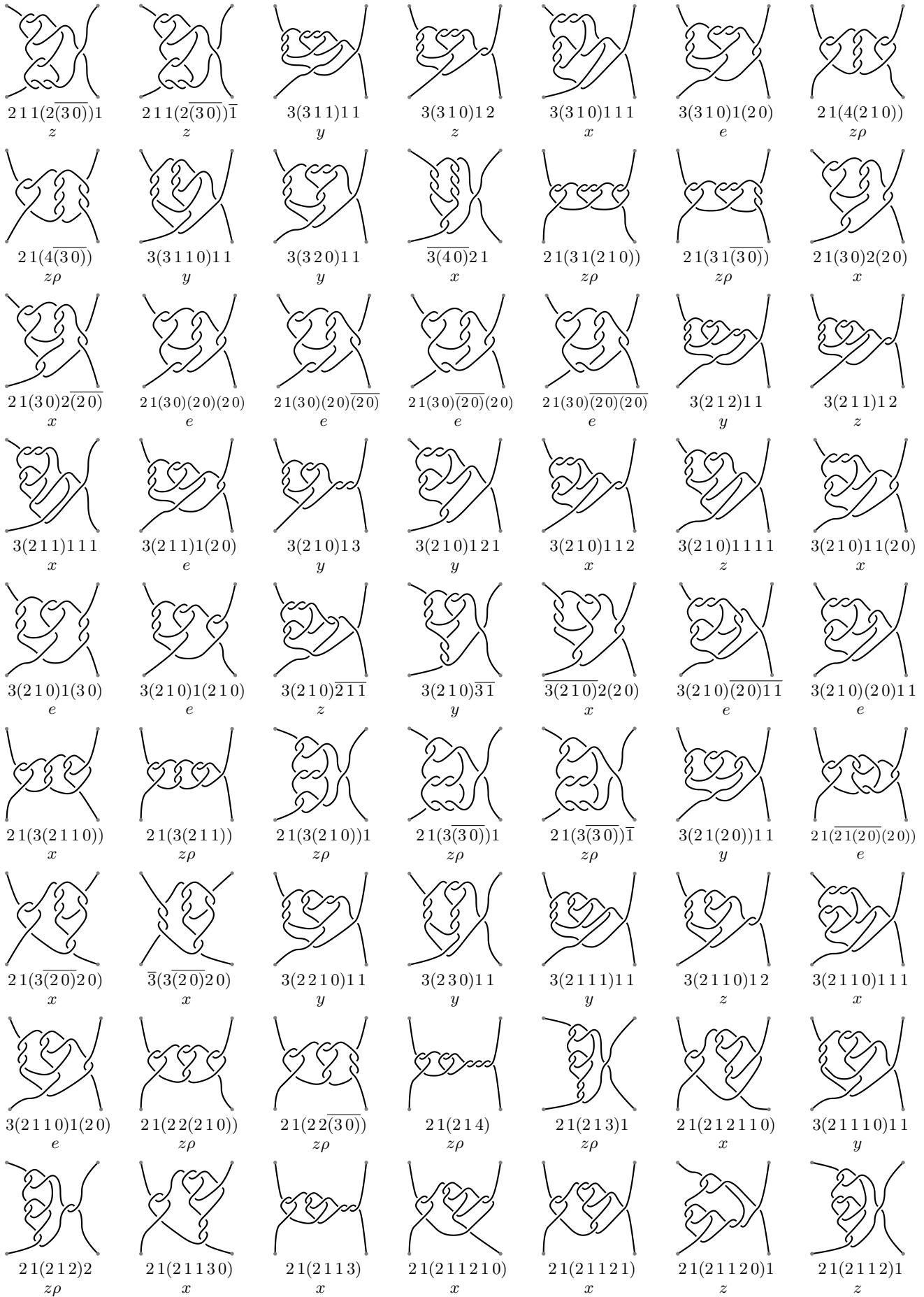
## Tangles 3098 – 3160 (no loops)



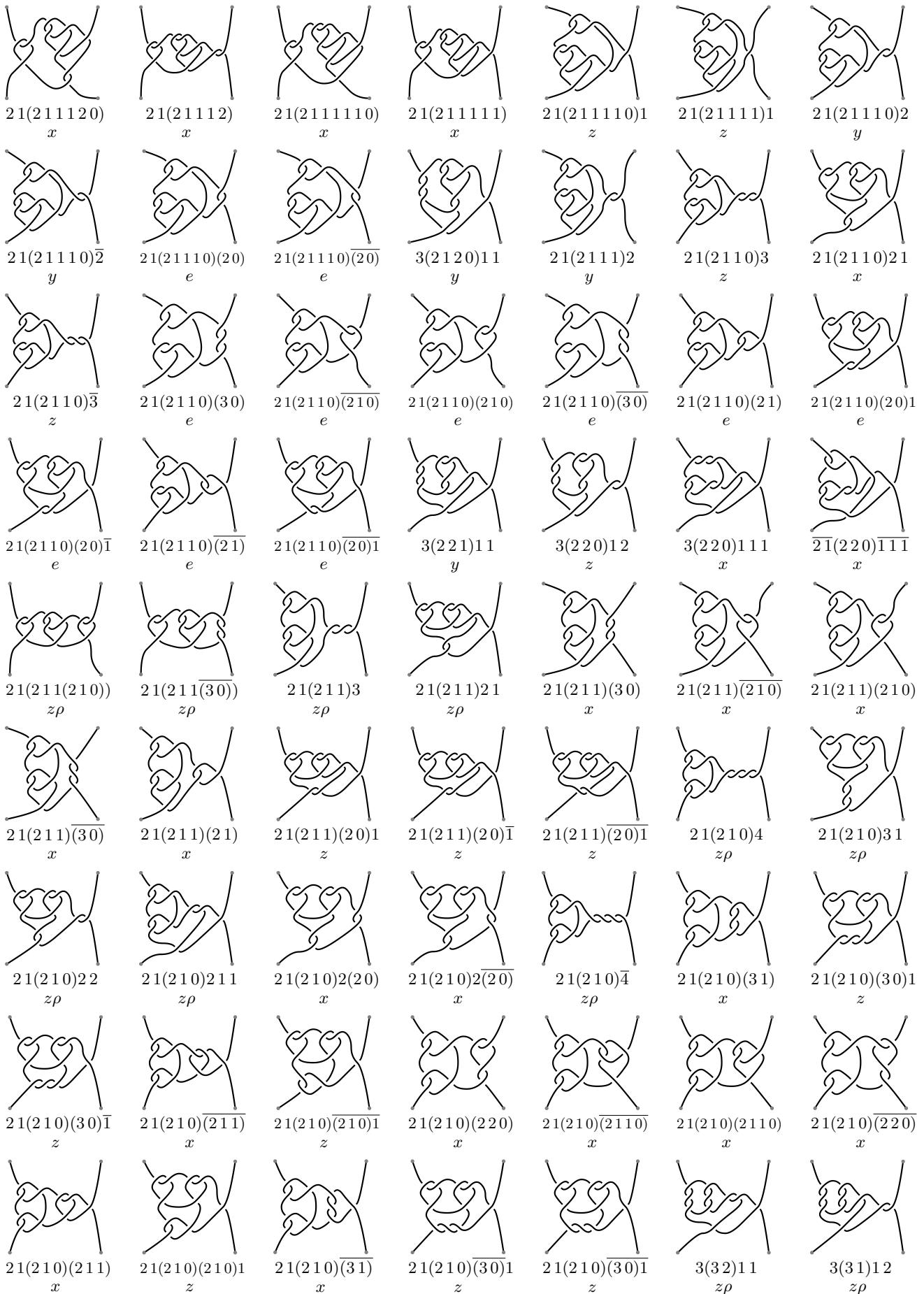
## Tangles 3161 – 3223 (no loops)



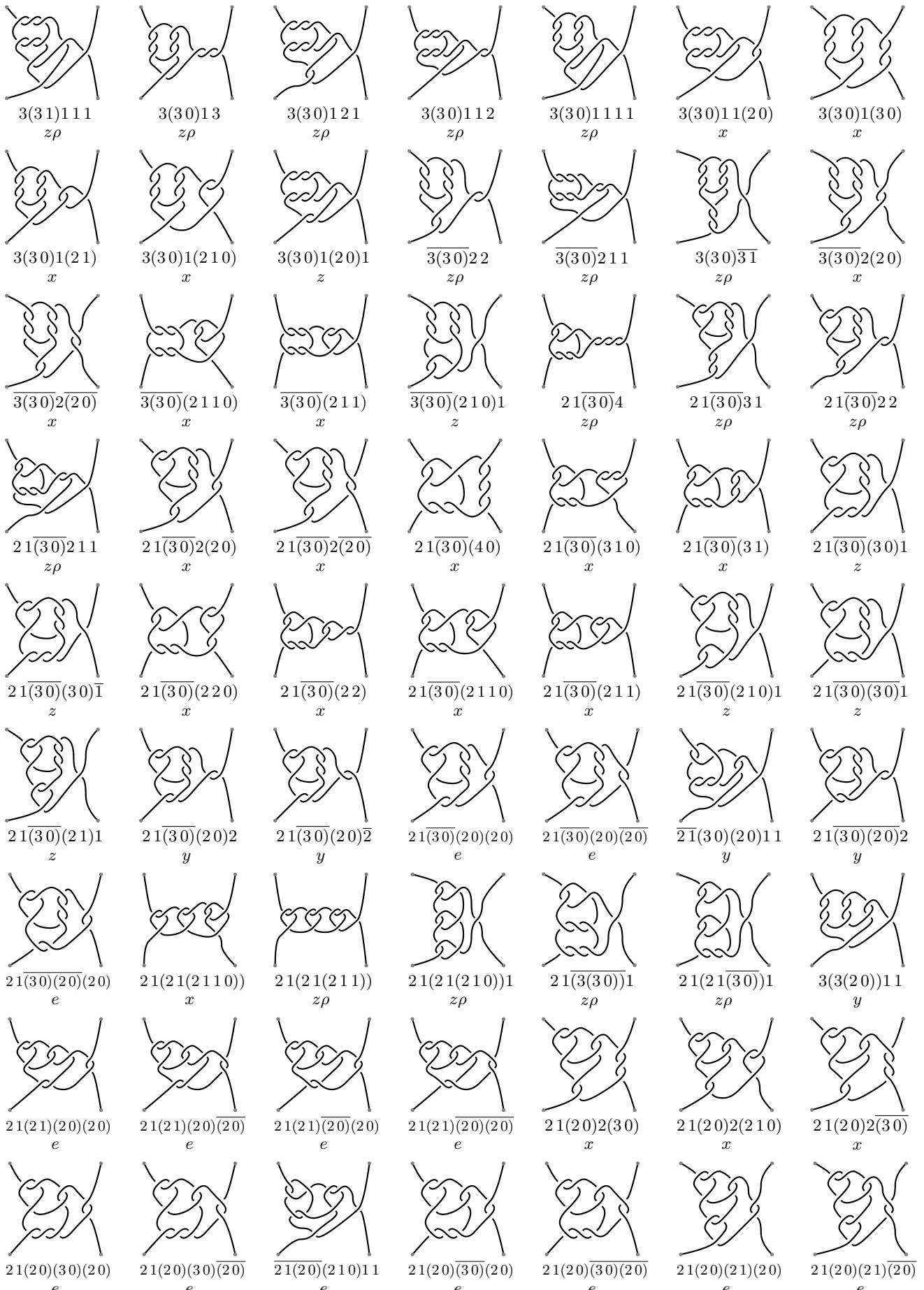
### Tangles 3224 – 3286 (no loops)



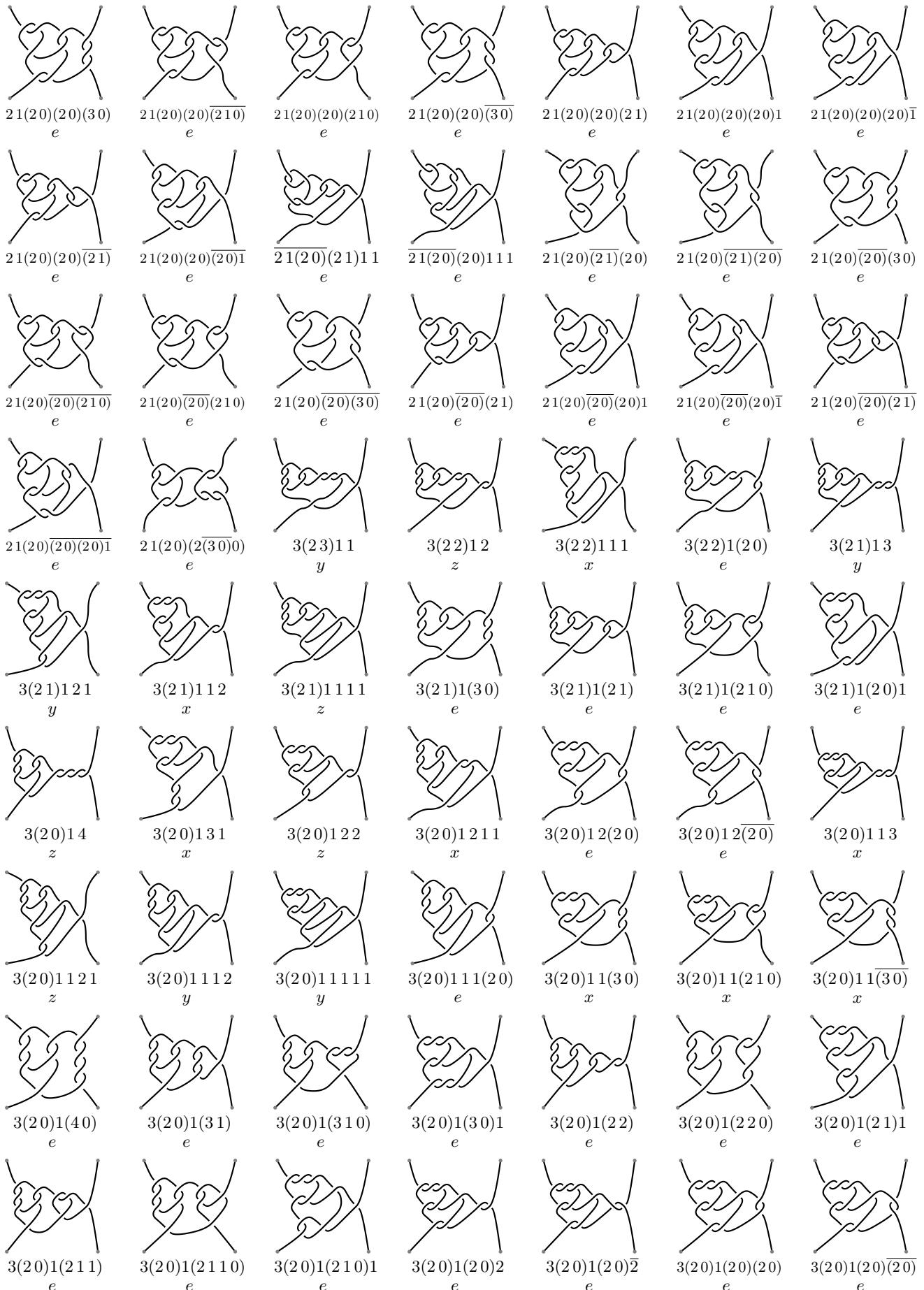
Tangles 3287 – 3349 (no loops)



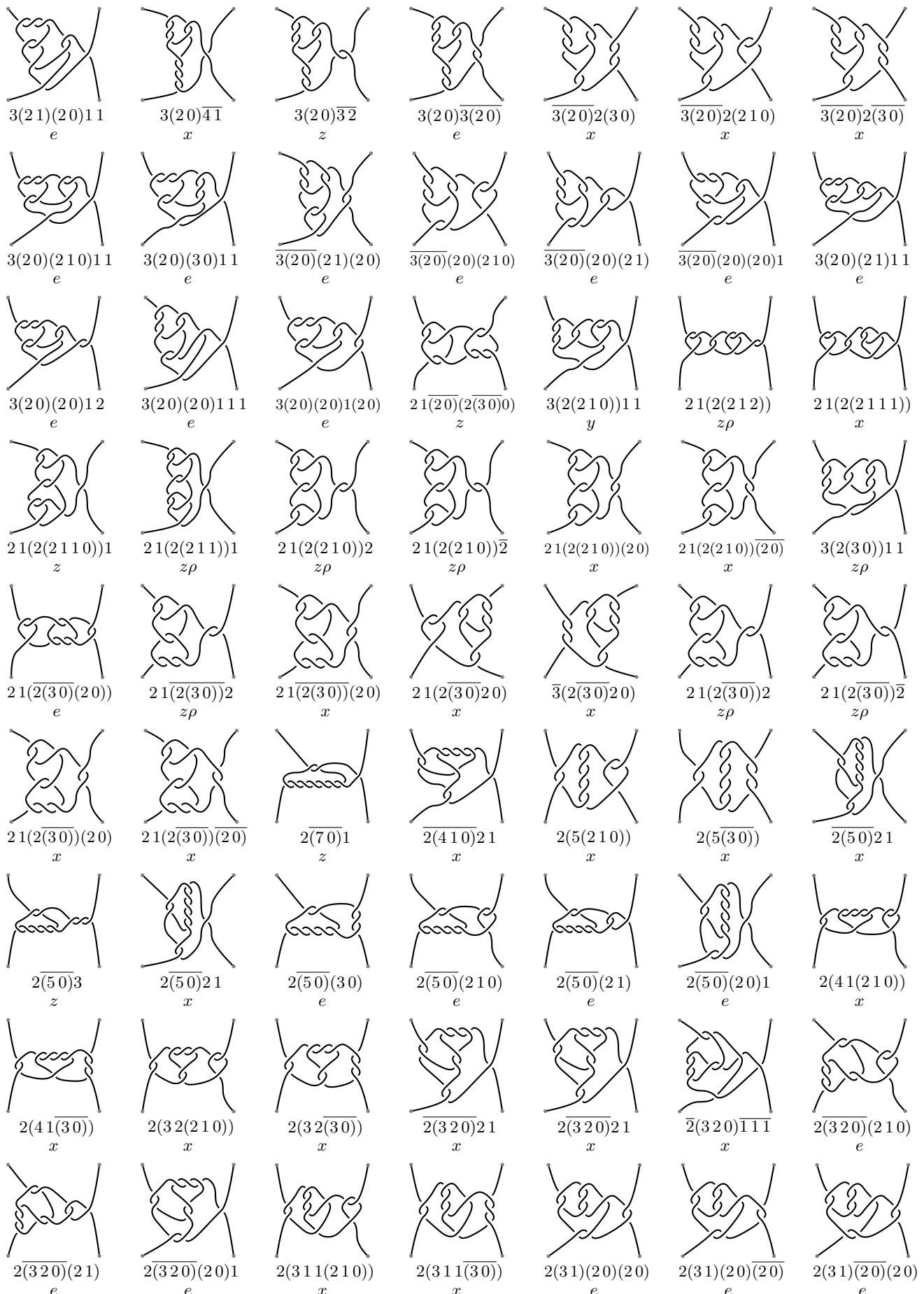
## Tangles 3350 – 3412 (no loops)



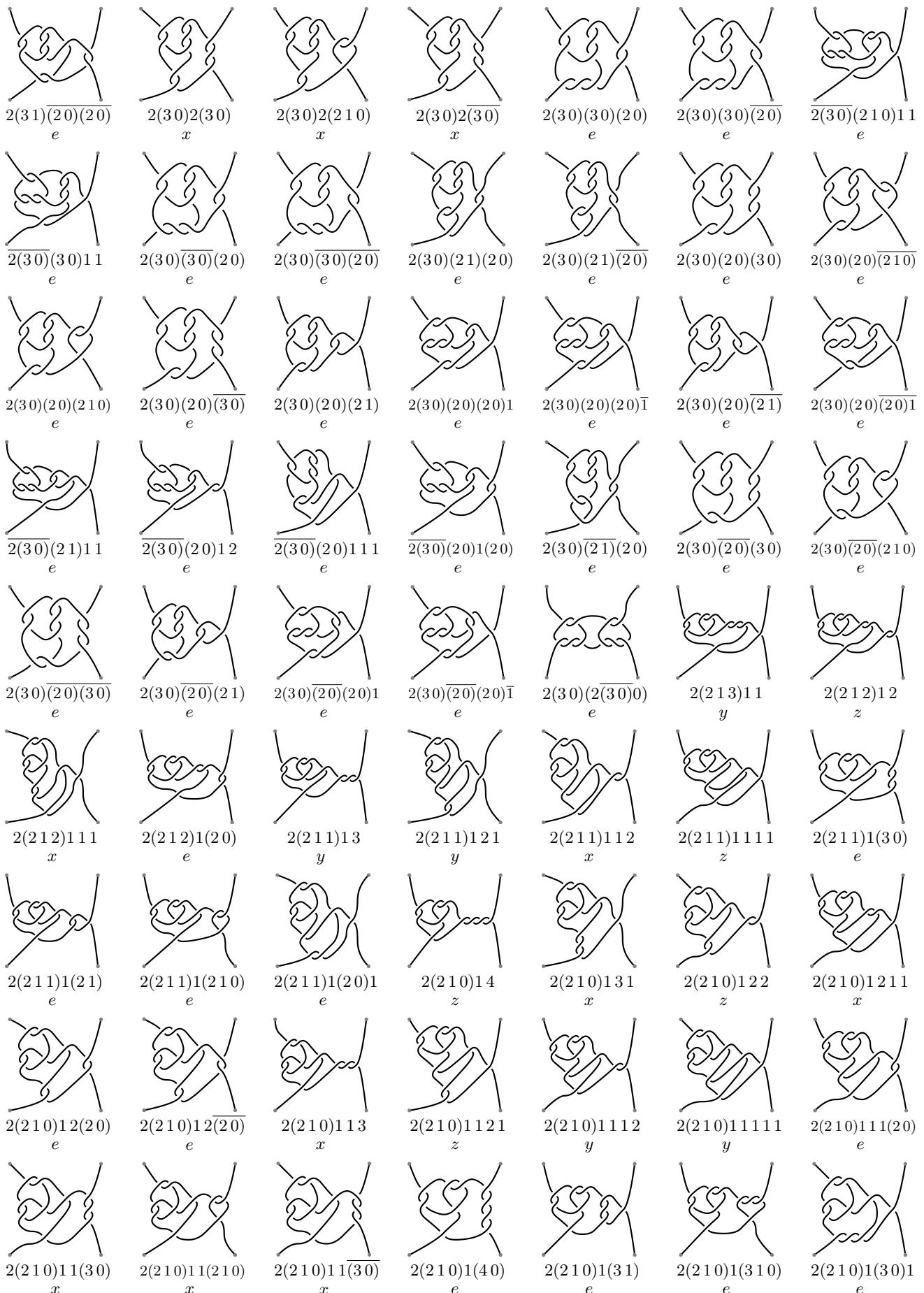
Tangles 3413 – 3475 (no loops)



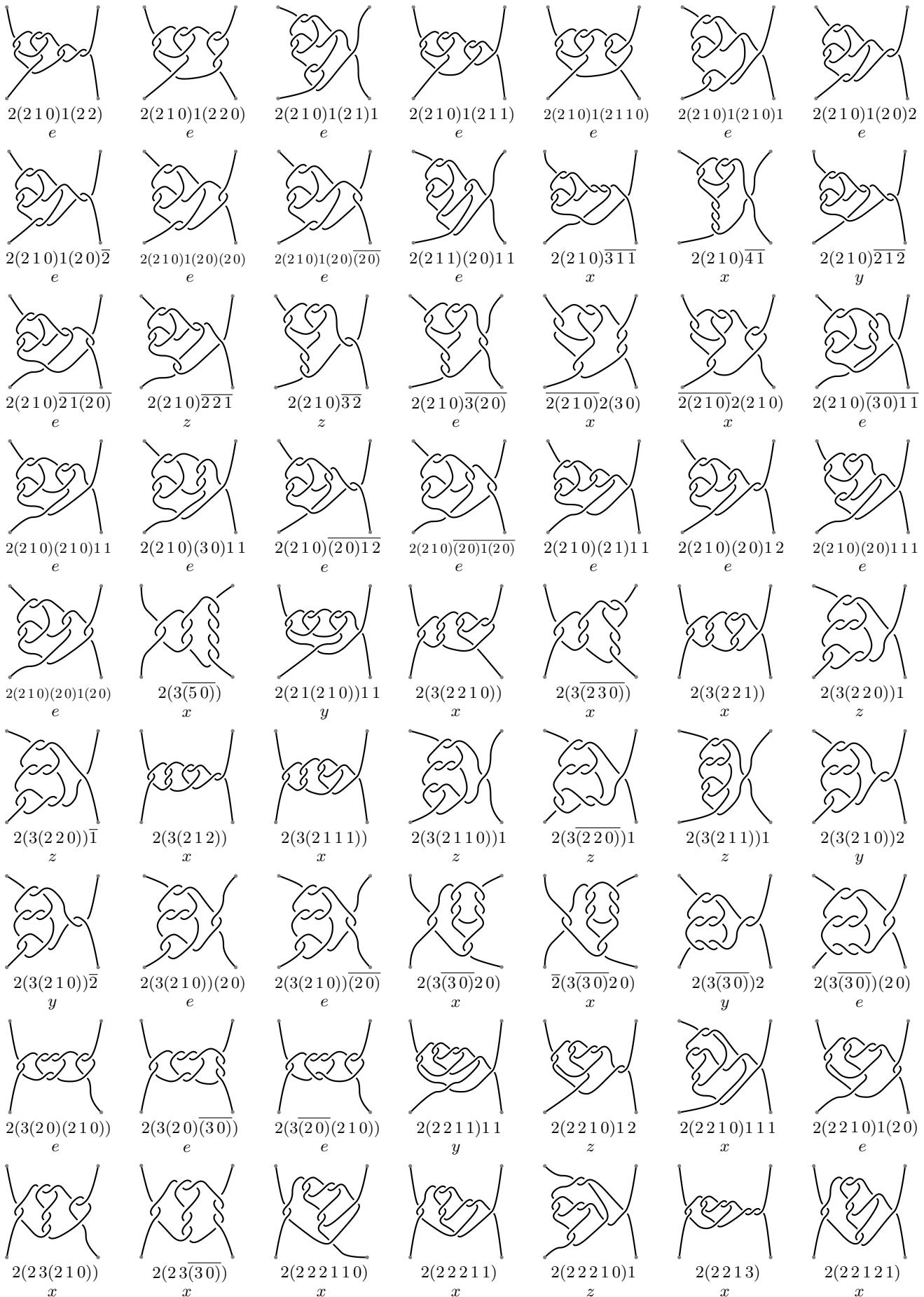
Tangles 3476 – 3538 (no loops)



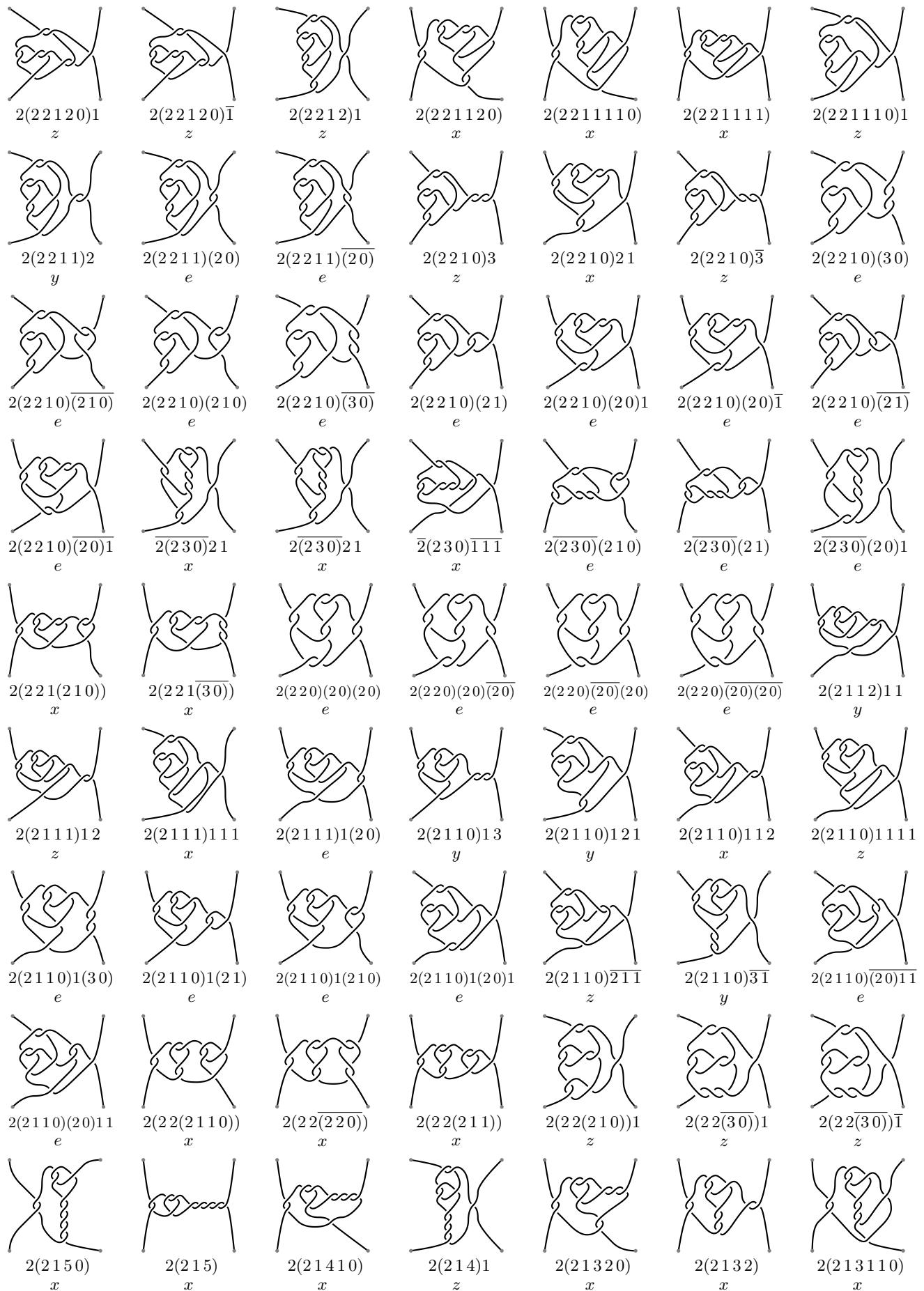
Tangles 3539 – 3601 (no loops)



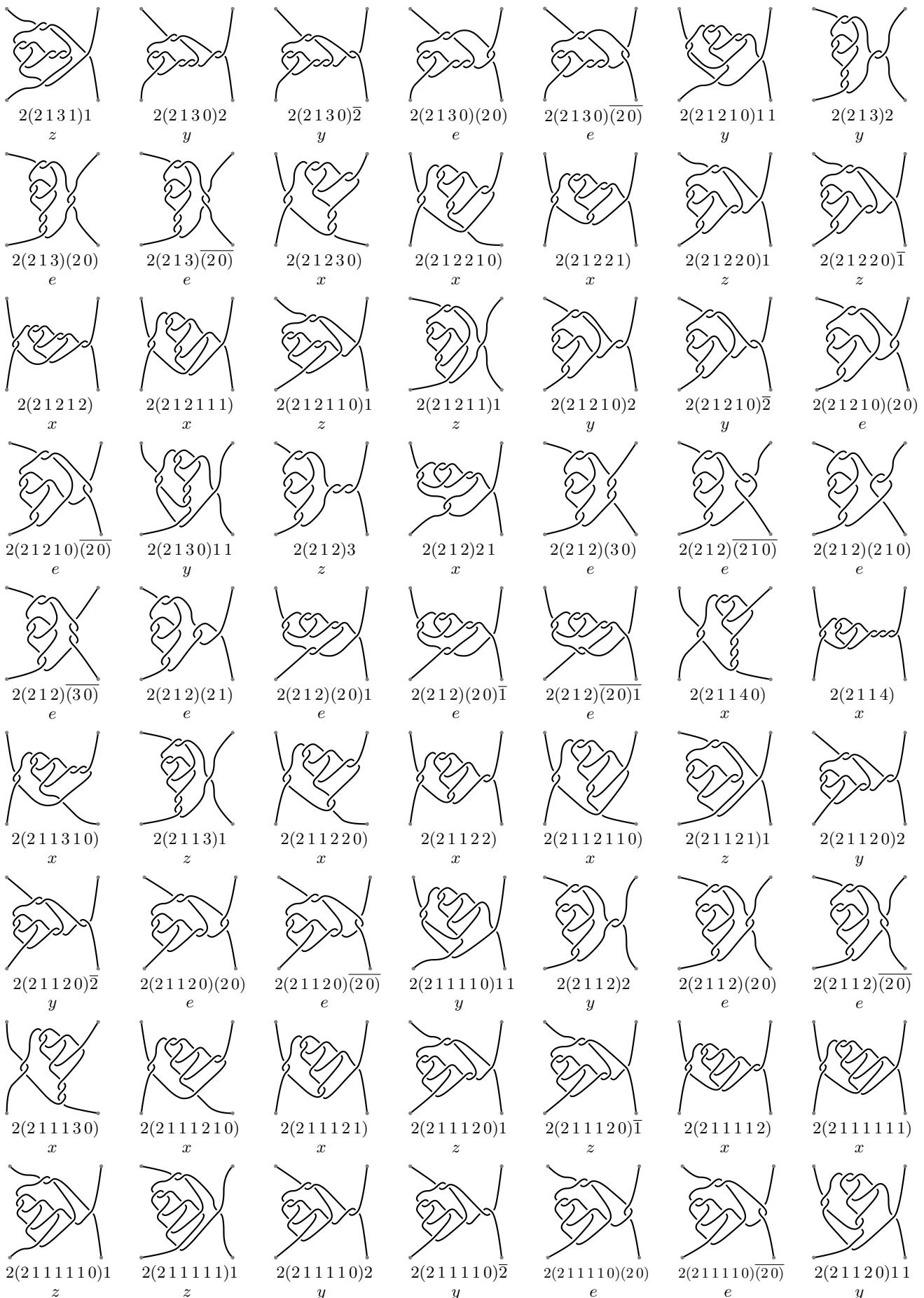
Tangles 3602 – 3664 (no loops)



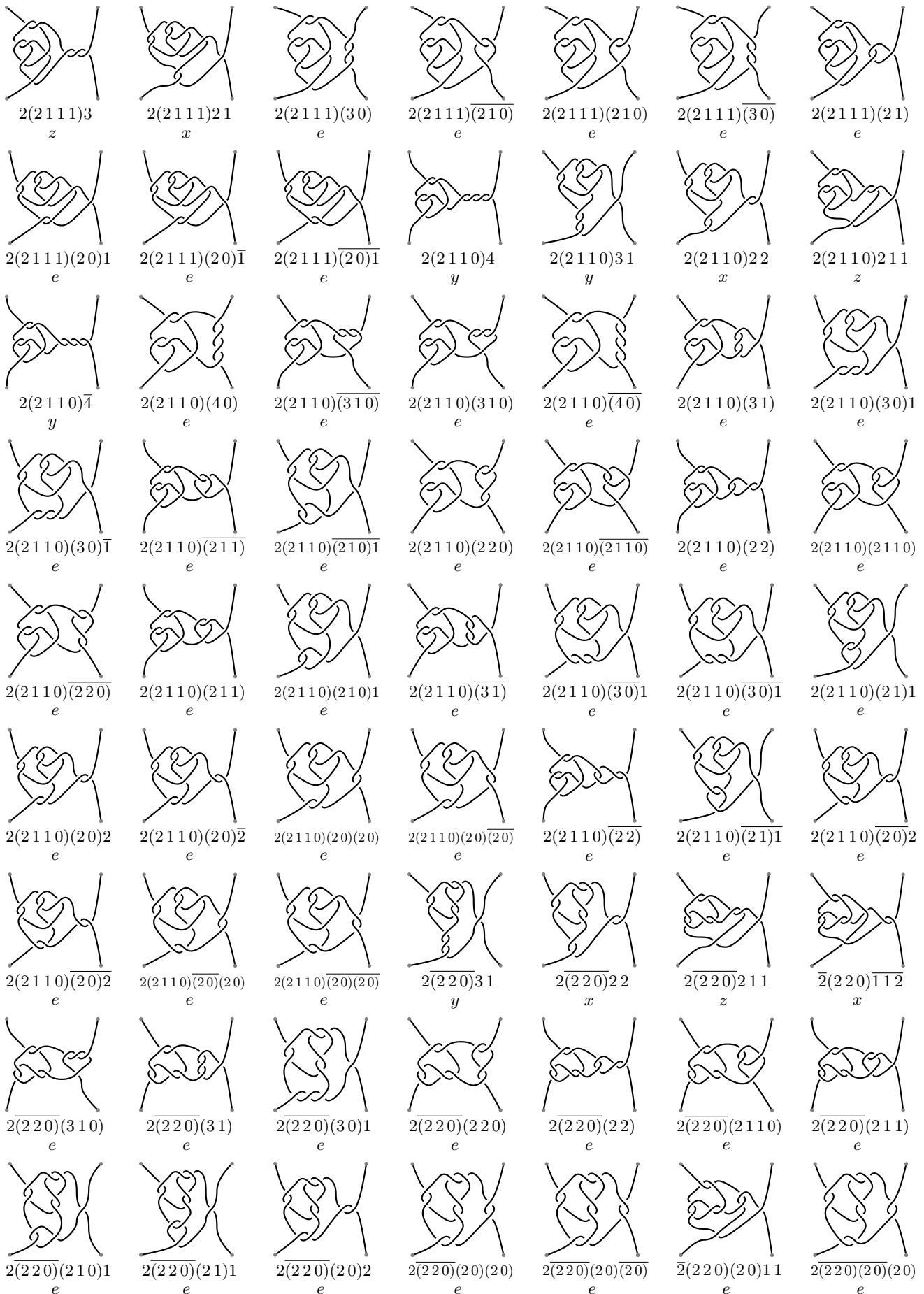
Tangles 3665 – 3727 (no loops)



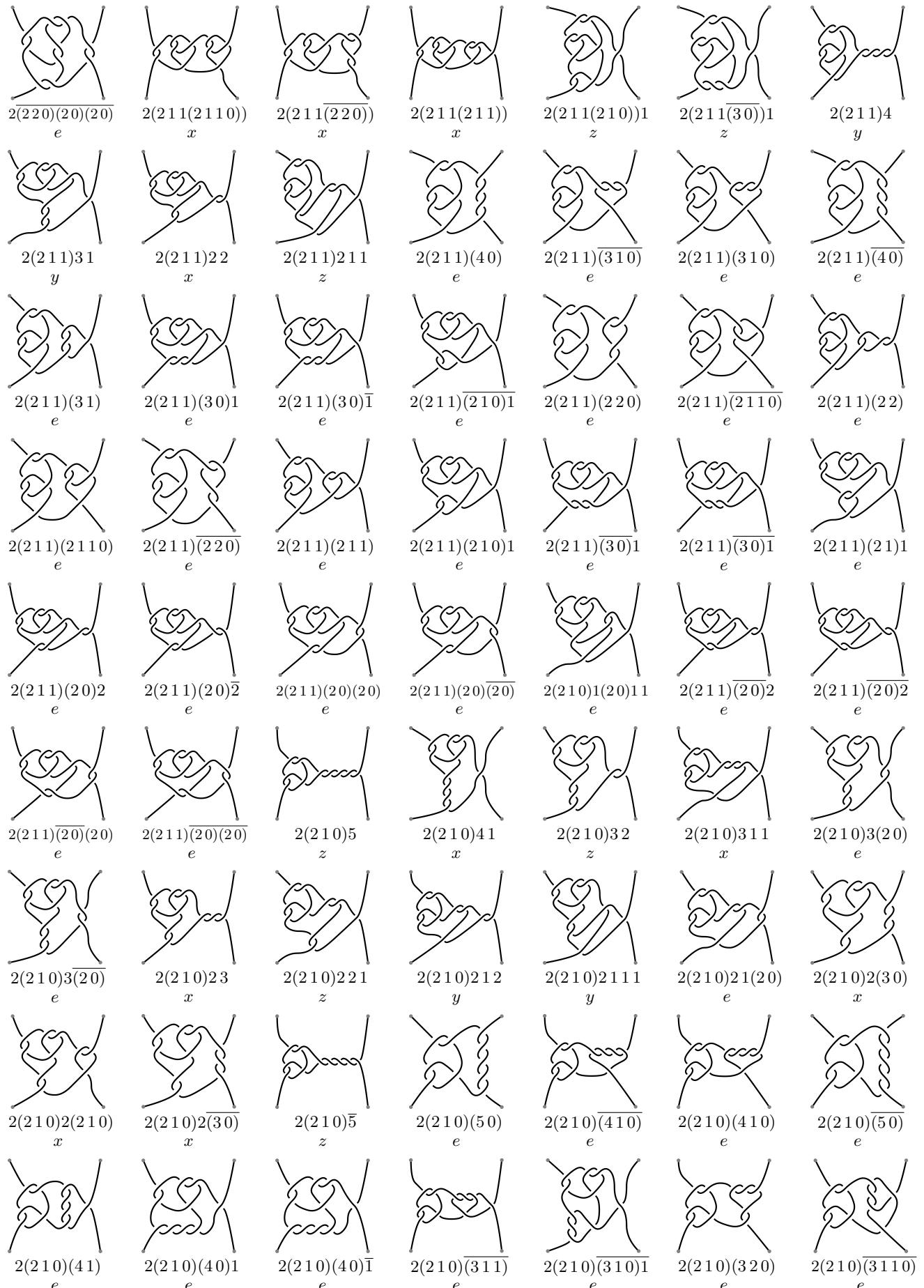
## Tangles 3728 – 3790 (no loops)



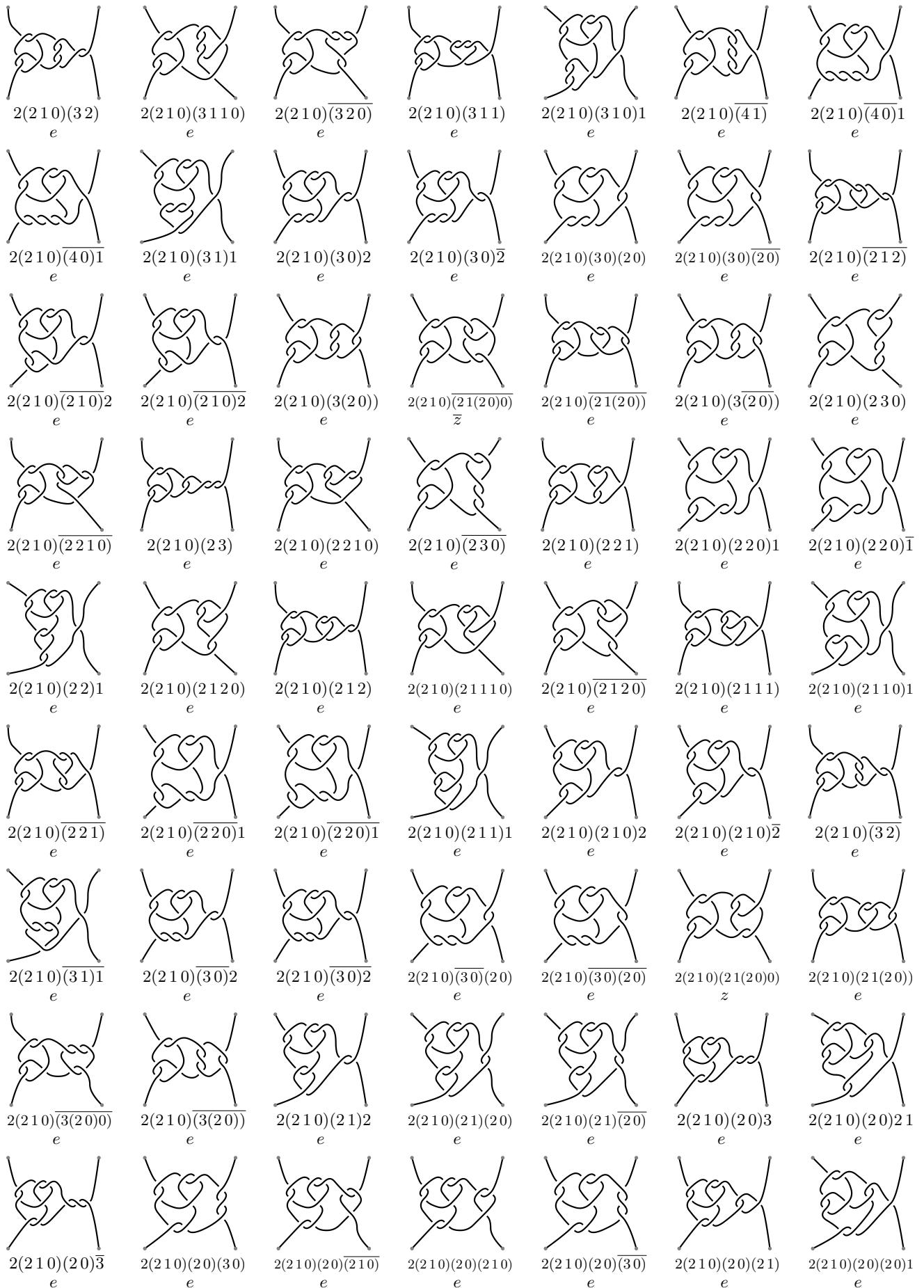
Tangles 3791 – 3853 (no loops)



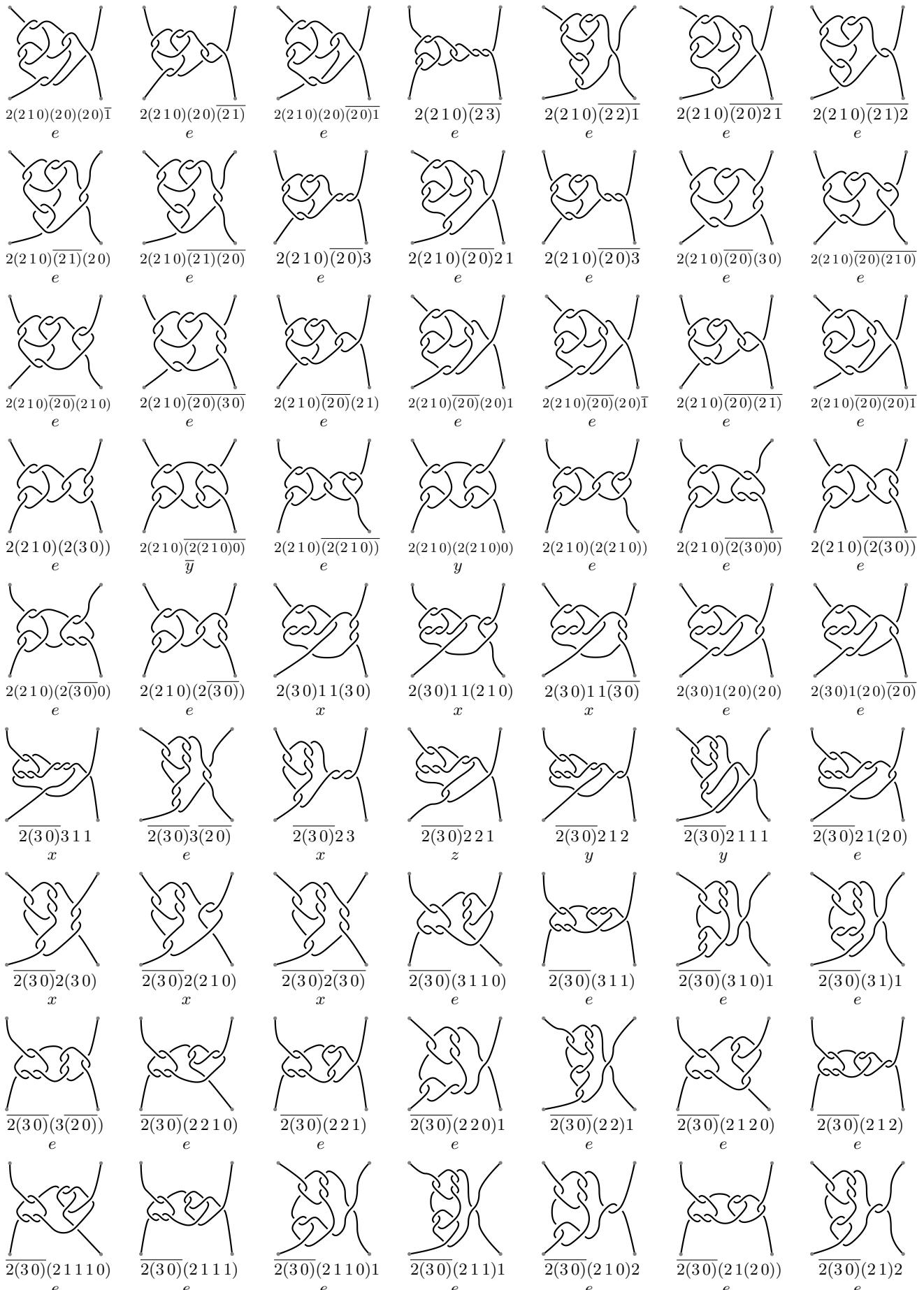
## Tangles 3854 – 3916 (no loops)



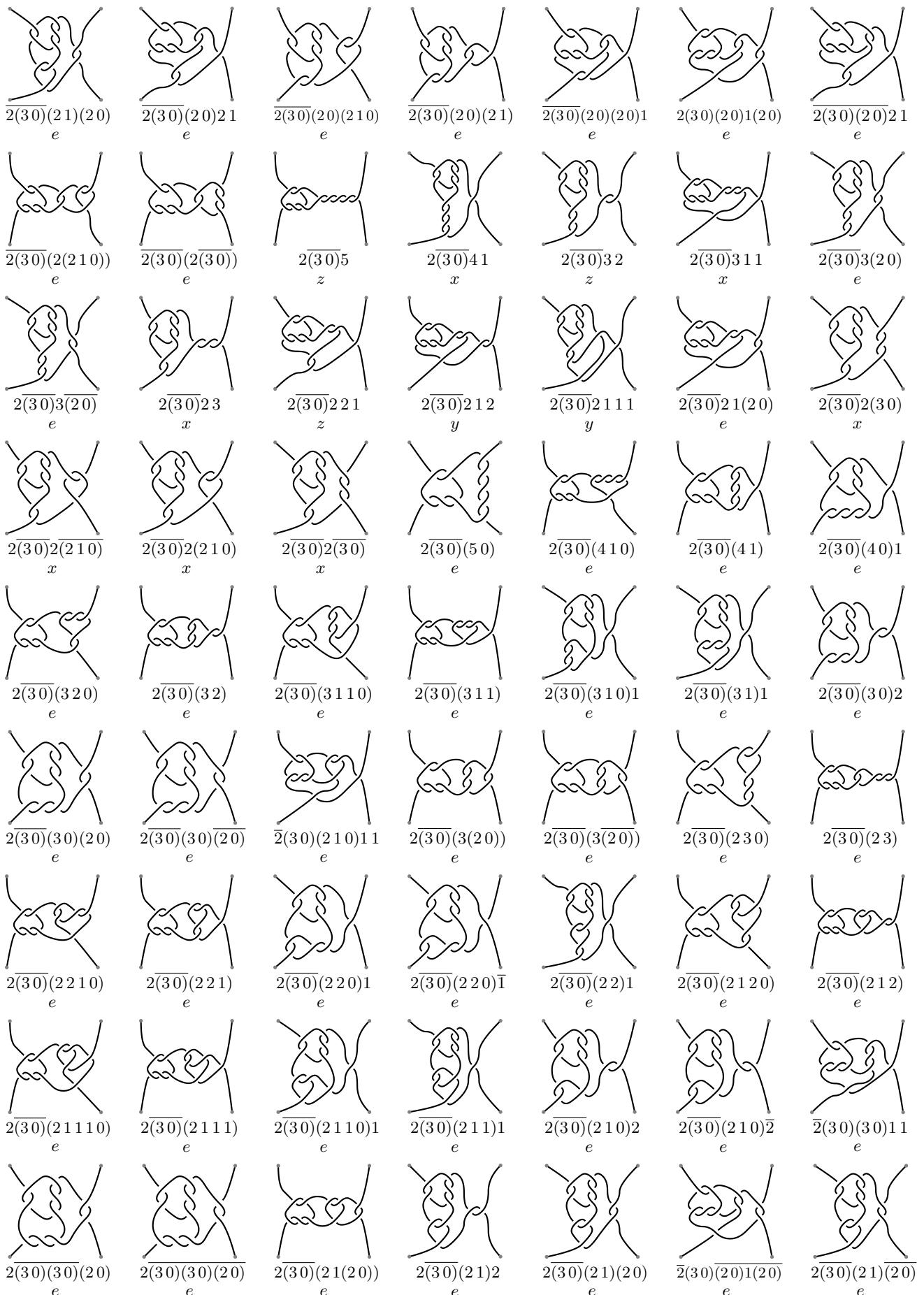
Tangles 3917 – 3979 (no loops)



Tangles 3980 – 4042 (no loops)



Tangles 4043 – 4105 (no loops)



Tangles 4106 – 4157 (no loops)

