

The rule for unpaired dominoes that you cannot having different signs in the same column, and must have alternating signs in a row, is a rule which holds within each type I cycle. The signs in different type I cycles are not related. Here is an example, with the input parameter  $1+ 2+ 3- 4- \overline{5-6} 7+ 8+ 9+$ . The level 3 type I cycle has a  $+$  sign, whereas the dominoes above it have  $-$  signs.

