

```
for each alignment
  for i < 19
    perturbedBy = freq[ i ] * random( 0, .1 )
    freq[ i ] = freq[ i ] + perturbedBy
    freq[ i + 1 ] = freq[ i + 1 ] - perturbedBy
    i = i + 2
  end
  Seq-Gen( freq, model )
end
```