```
*Main> eg3
[
"100",
"020",
"203"
]
*Main> choices eg3
[
["1","123456789","123456789"],
["123456789","2","123456789"],
["2","123456789","3"]]
*Main> expand1 (choices eg3)
[
[["1","1","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","2","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","3","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","4","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","5","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","6","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","7","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","8","123456789"],["123456789","2","123456789"],["2","123456789","3"]],
[["1","9","123456789"],["123456789","2","123456789"],["2","123456789","3"]]]
*Main> length (expand1 (choices eg3))
9
*Main>
```