Get out your shovels! The winter storm dropped three feet of snow on your neighborhood. You and your neighbors are working to reconnect your houses by digging paths. There are three rules:

1) Paths must be either north-south or east-west. Each path connects two houses, but a path cannot cross houses or each other.
2) Two houses may be connected by either one path, or two parallel paths. The number on the house tells the total number of paths ending there.
3) When finished, all houses in the neighborhood must be connected by a single network of paths.

