Solution of hanoi’s towers with 4 towers according to article by Stockmayer in the moodle

```
triangular :: Int -> Int
triangular k  = floor (fromIntegral (k * (k+1)) / 2)

allTri :: [(Int,Int)]
allTri = map (\x -> (x,triangular x)) [1..]

pickx :: Int -> [(Int,Int)] -> Int
pickx n ((a,b):l)  = if b < n then pickx n l  else a

hanoi' 0 _ _ _ _ =[]
hanoi' 1 a b c d =[(a,b)]
hanoi' 2 a b c d = [(a,c),(a,b),(c,b)]
hanoi' 3 a b c d = [(a,c),(a,d),(a,b),(d,b),(c,b)]
hanoi' n a b c d = hanoi' (n-x) a c b d ++ h x a b d  ++ hanoi' (n-x)  c b a d
                                where x = pickx n allTri
```