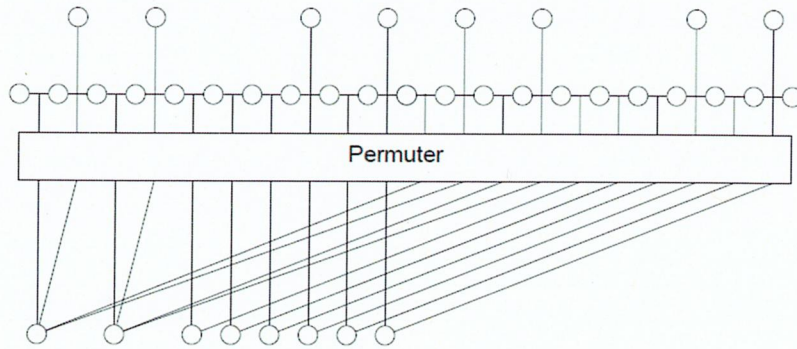


$qN \times qN$  permutation matrix



Apple Ex. 1060 (IPR2017-00210);  
 Apple Ex. 1260 (IPR2017-00219);  
 Apple Ex. 1043 (IPR2017-00297);  
 Apple Ex. 1060 (IPR2017-00700);  
 Apple Ex. 1160 (IPR2017-00701);  
 Apple Ex. 1260 (IPR2017-00728);  
 Apple Inc. v. California Institute of Technology

Apple v. Caltech  
 IPR2017-00701