E. Lazard Emmanuel.Lazard@dauphine.psl.eu

Hello,

I'm an old school computer programmer, so outside C and Python, I don't know much…
Here is my brute-force solution in Python.
46656 loop iterations but instantaneous.

```
for winsKF in range(8): # number of wins for Kasparov against Fischer
   for drawsKF in range(8-winsKF): # number of draws
      for winsKP in range(8): # wins Kasparov vs. Karpov
         for drawsKP in range(8-winsKP): # draws Kasparov vs. Karpov
            for winsFP in range(8): # wins Fischer vs. Karpov
               for drawsFP in range(8-winsFP): # draws Fischer vs. Karpov
                  lossesKF = 7 - winsKF - drawsKF
                  lossesKP = 7 - winsKP - drawsKP
                  lossesFP = 7 - winsFP - drawsFP

                  winsK = winsKF + winsKP     # Kasparov number of wins
                  winsF = lossesKF + winsFP   # Fischer number of wins
                  winsP = lossesKP + lossesFP # Karpov number of wins

                  drawsK = drawsKF + drawsKP
                  drawsF = drawsKF + drawsFP
                  drawsP = drawsKP + drawsFP

                  lossesK = lossesKF + lossesKP
                  lossesF = winsKF + lossesFP
                  lossesP = winsKP + winsFP

                  pointsK = 2*winsK + drawsK
                  pointsF = 2*winsF + drawsF
                  pointsP = 2*winsP + drawsP

                  if winsK <= winsF or winsK <= winsP:
                     continue # Kasparov should have more wins
                  if lossesP >= lossesK or lossesP >= lossesF:
                     continue # Karpov should have fewer losses
                  if pointsF <= pointsK or pointsF <= pointsP:
                     continue # Fischer should have more points
                  print( "Kasparov vs. Fischer: ", winsKF, "w ", drawsKF, "d ", lossesKF, "l", sep='')
                  print( "Kasparov vs. Karpov : ", winsKP, "w ", drawsKP, "d ", lossesKP, "l", sep='')
                  print( "Fischer  vs. Karpov : ", winsFP, "w ", drawsFP, "d ", lossesFP, "l", sep='')
                  print()
```

with output:

Kasparov vs. Fischer: 3w 0d 4l

Kasparov vs. Karpov : 2w 3d 2l
Fischer vs. Karpov : 0w 7d 0l

Kasparov vs. Fischer: 3w 0d 4l
Kasparov vs. Karpov : 2w 4d 1l
Fischer vs. Karpov : 0w 7d 0l

Regards
Emmanuel