```
double MemoLmin[p index][q index][r index]

point[] P, point[] Q, point[] R
main{
    return minL(n,n,n)
}
minL(pi, qi, ri)
{
    if(pi < 0 || qi < 0 || ri < 0)
        return
    if(pi = 0 && qi == 0 && ri == 0)
        MemoLmin[0][0][0] = max(||P[pi] - Q[qi]||, ||P[pi] - R[ri]||, ||R[ri] -
Q[qi]||)
        return MemoLmin[0][0][0]

    if (pi, qi, ri) is in MemoLmin:
        return MemoLmin[pi][qi][ri]

    MemoLmin[pi][qi][ri] = max(max(||P[pi] - Q[qi]||, ||P[pi] - R[ri]||, ||R[ri] -
Q[qi]||), min(
        minL(pi-1, qi, ri),
        minL(pi, qi-1, ri),
        minL(pi, qi, ri-1),
        minL(pi-1, qi-1, ri),
        minL(pi, qi-1, ri-1),
        minL(pi-1, qi, ri-1),
        minL(pi-1, qi-1, ri-1),
        ))
    return MemoLmin[pi][qi][ri]
}
```