PPL Assignment 5

Sagiv Nethanel: 203308069

Roi Soldin: 204542179

Question 4:

1.
unify[t(s(s), G, s, p, t(K), s), t(s(G), G, s, p, t(K),
U)]

s={G=s, U=s}

2.
unify[g(l, M, g, G, U, g, v(M)), g(l, v(U), g, v(M),
v(G), g, v(M))]

- s={M=v(U)} g(1, v(U), g, G, U, g, v(v(U)))
 g(1, v(U), g, v(v(U)), v(G), g, v(v(U)))
- s={M=v(U), G=v(v(U))}A°s = g(1, v(U), g, v(v(U)), U, g, v(v(U)))
 g(1, v(U), g, v(v(U)), v(v(v(U))), g, v(v(U)))

Circular occurrence.

3.
 unify[m(M,N), n(M,N)]
 A= m(M,N)
 B= n(M,N)

no such substitution

