general graph

trees

lines
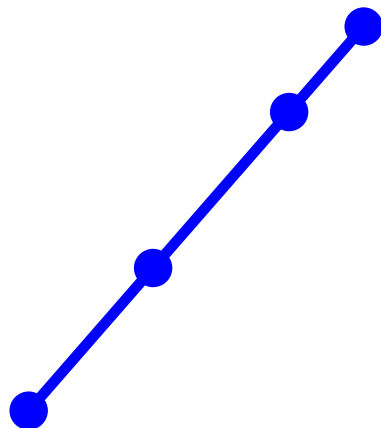
stars
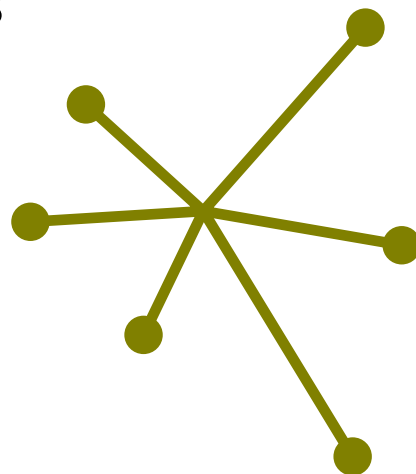
unit-length cliques

P/?*2
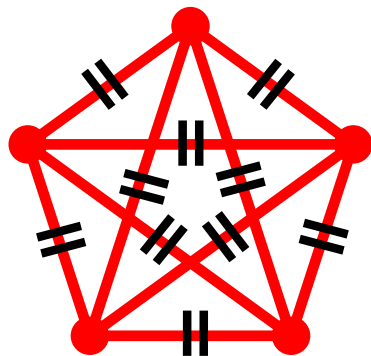
P/?*1

P/NP-hard

?/NP-hard

NP-hard/NP-hard