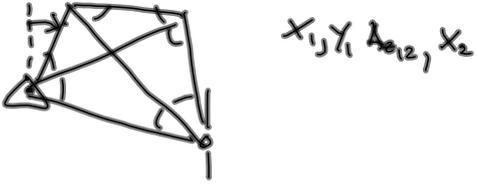
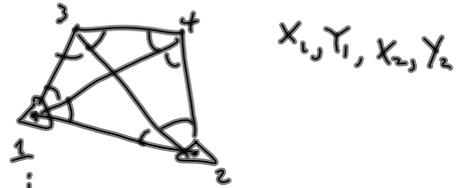


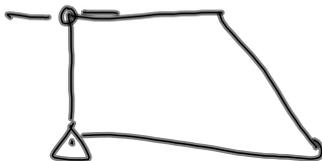
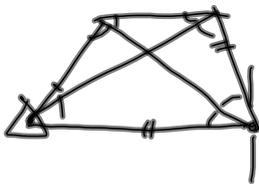
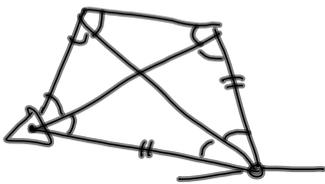
Lecture 19 Minimal Constraints 19-1



will not work y_1, y_2, y_3, y_4

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Some networks # m.c. 3 19-2



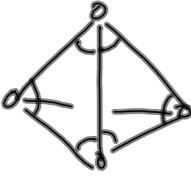
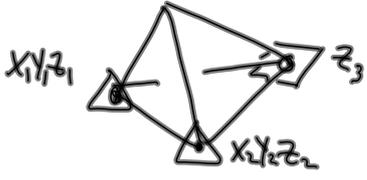
also fail

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3D network (angle only) 19-3

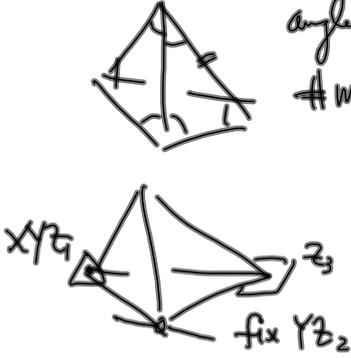
#m.e. = 7

fix 3 shifts
3 rotations
side

angles + 1 distance

#m.e. = 6



fix Yz_2

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Error Propagation 19-4

obs

$$l_j, \Sigma_{ll} \rightarrow \underline{[LS]} \rightarrow X, \Sigma_{xx}$$

Monte Carlo Techniques
 Random Number Generator

matlab: randn : generates random #'s
 Standard normal distrib
 $(\mu=0, \sigma=1)$,
 rand generates uniform variates

$e = \text{randn}(m,n)$
 $e = \text{randn}(n,1) * \sigma + \mu$

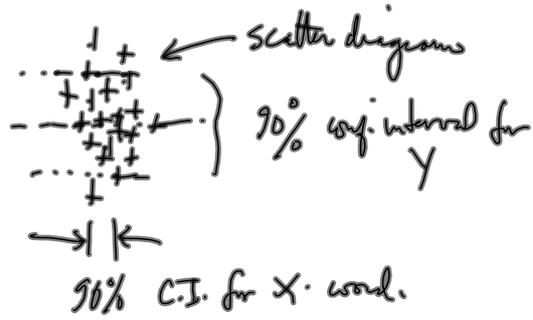
really not random numbers
pseudo random numbers

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rng('shuffle') different every time 19-5

rng(4)

rng(2)



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