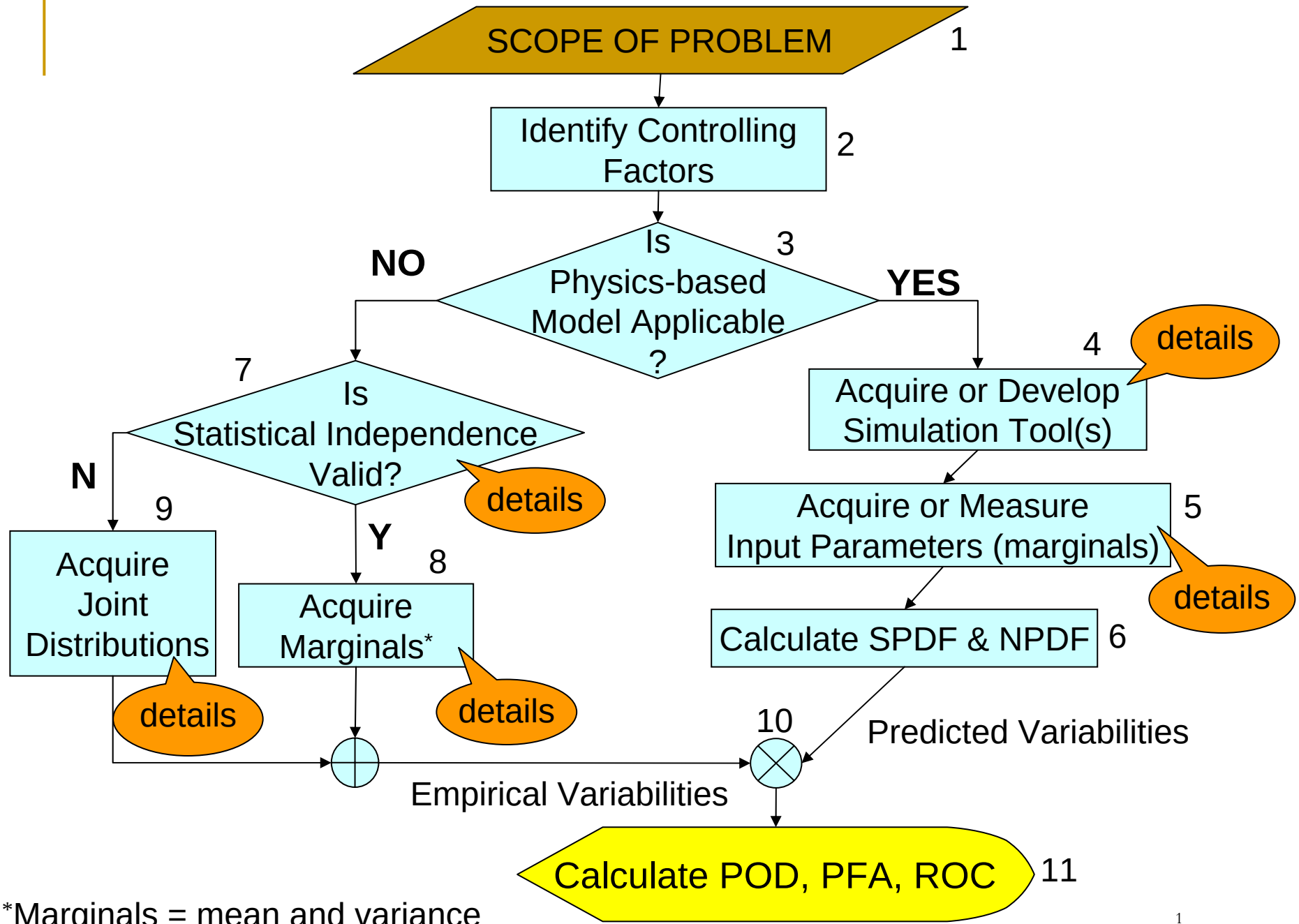
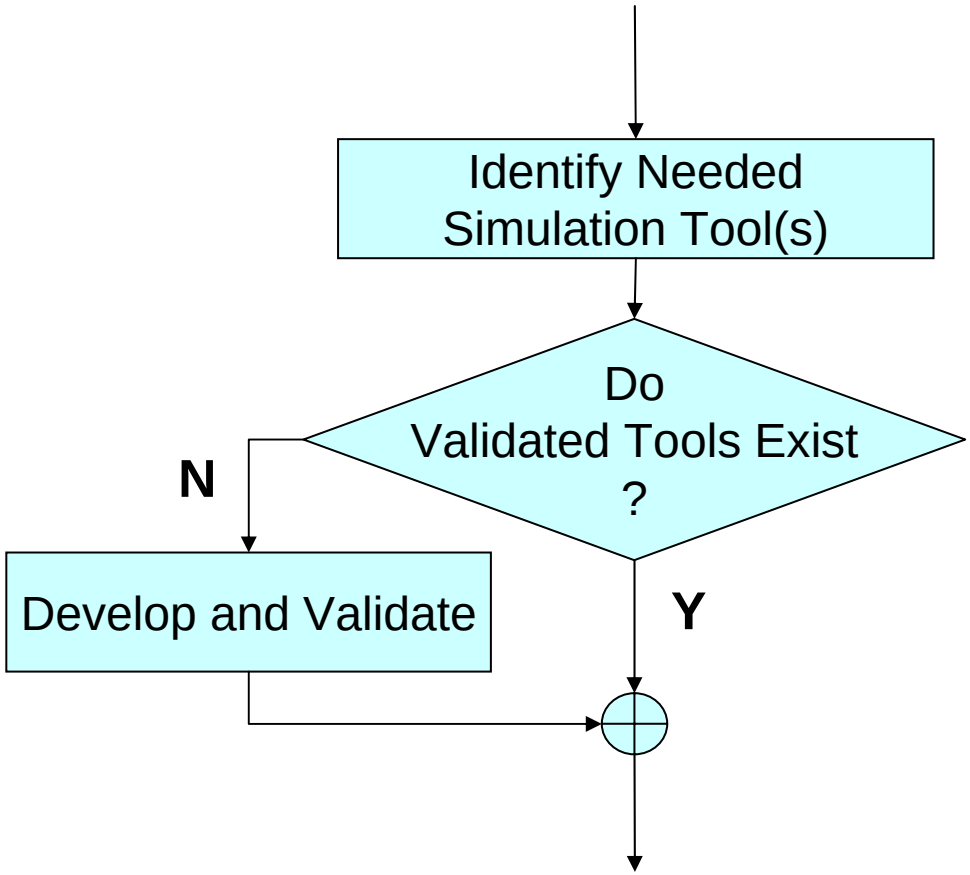
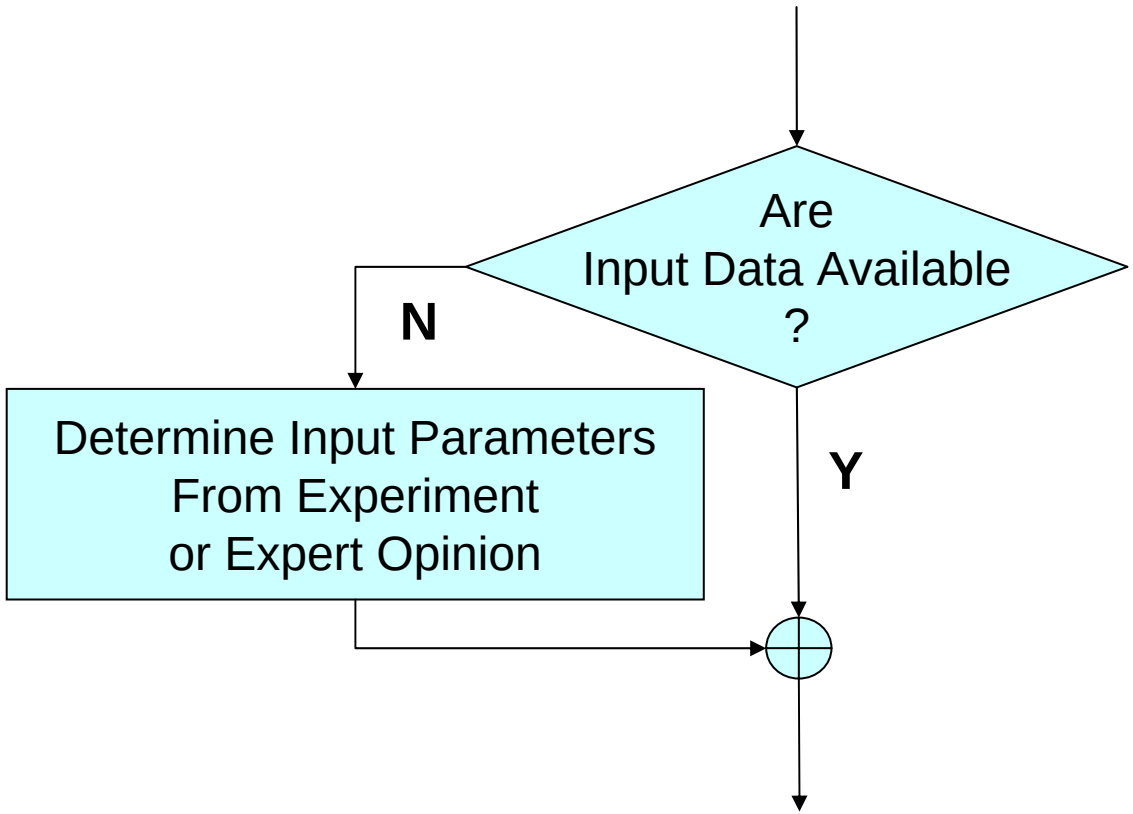

SCOPE OF PROBLEM
1
Identify Controlling Factors
2
Is Physics-based Model Applicable ?
3
NO
YES
Acquire or Develop Simulation Tool(s)
4
details
Acquire or Measure Input Parameters (marginals)
5
details
Calculate SPDF & NPDF
6
Predicted Variabilities
Is Statistical Independence Valid?
7
details
Y
N
Acquire Marginals*
8
details
Acquire Joint Distributions
9
details
10
Empirical Variabilities
Calculate POD, PFA, ROC
11
*Marginals = mean and variance

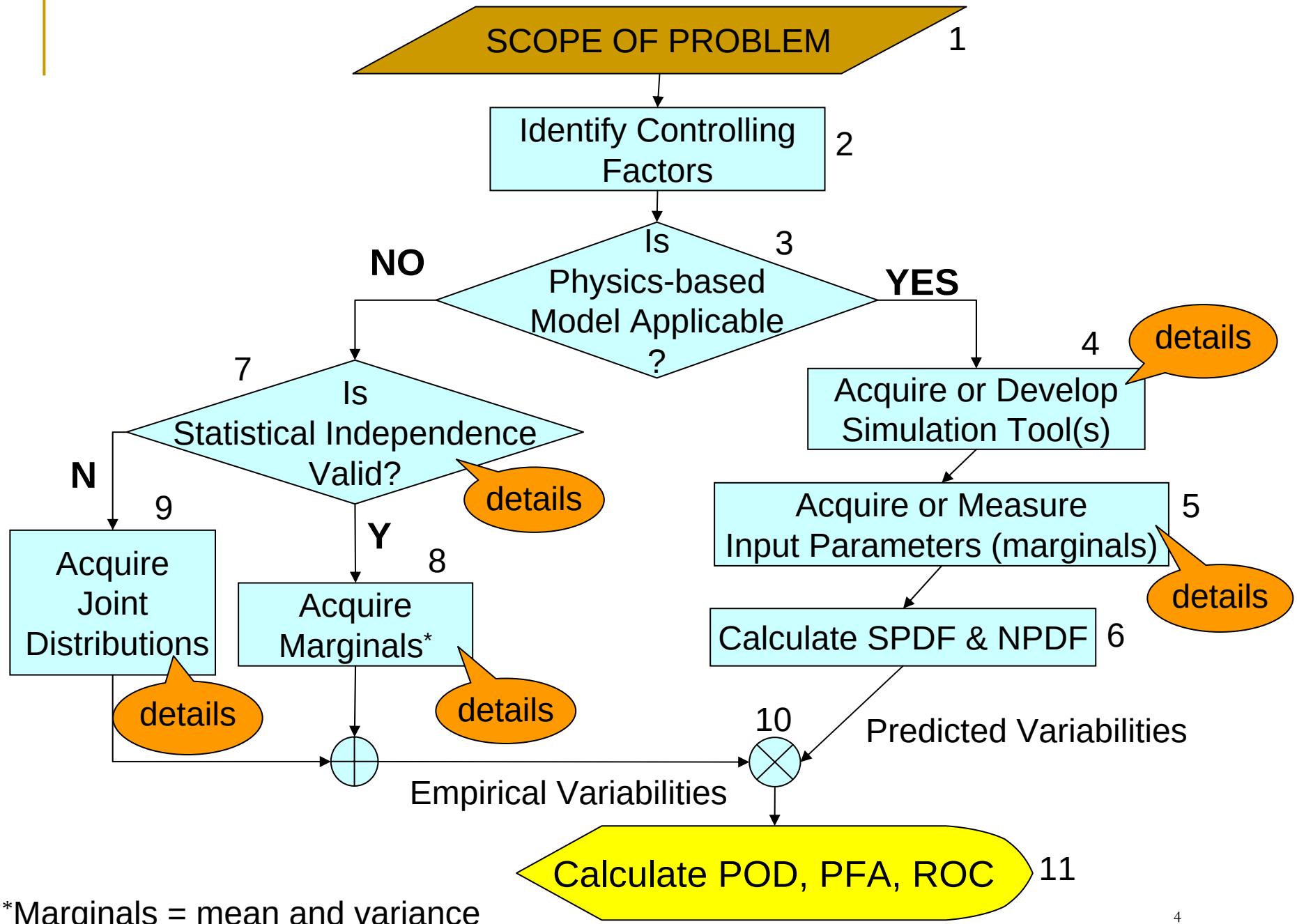
Acquire/Develop Simulation Tool(s)



Acquire/Measure Input Parameters

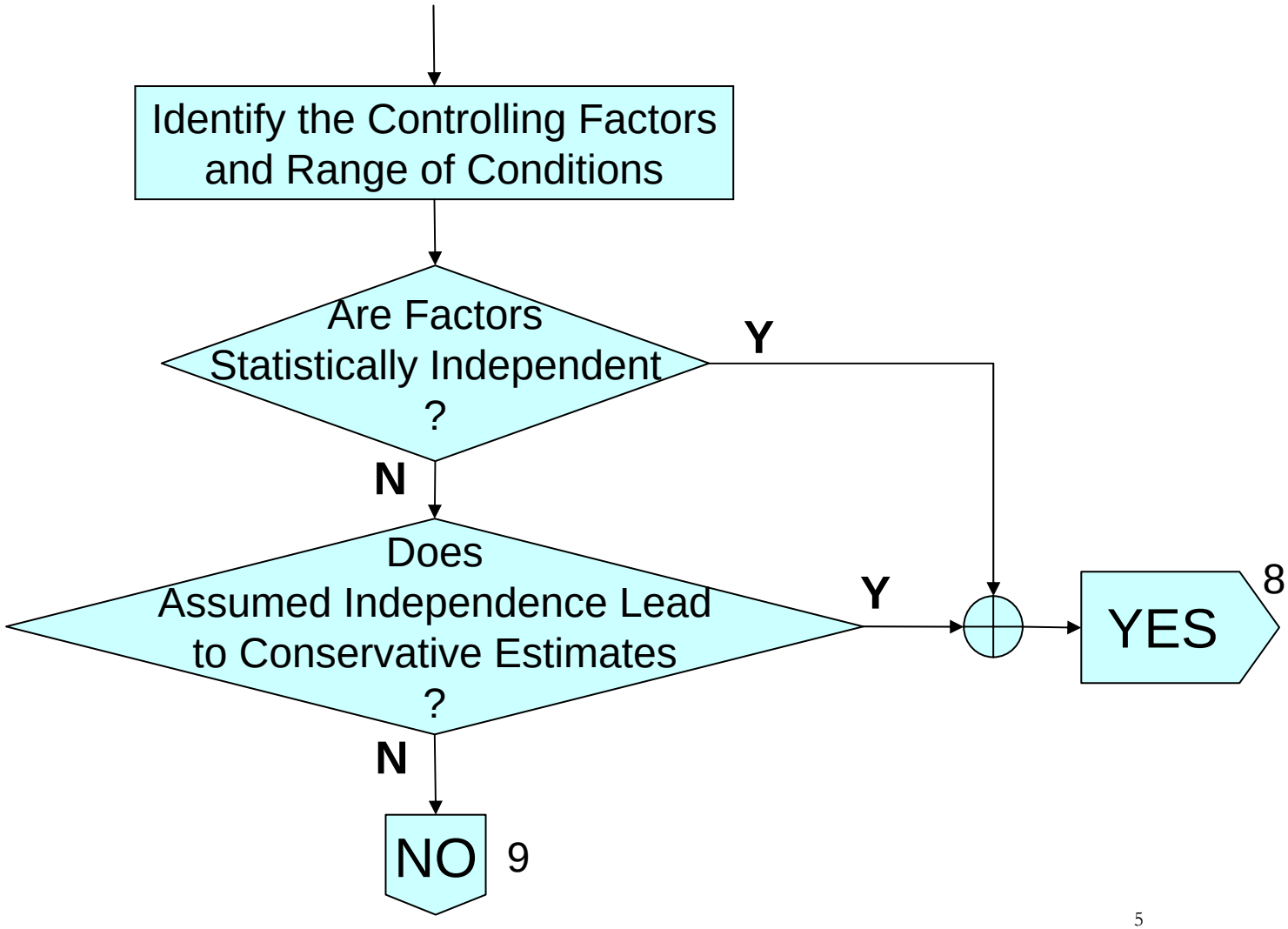
5



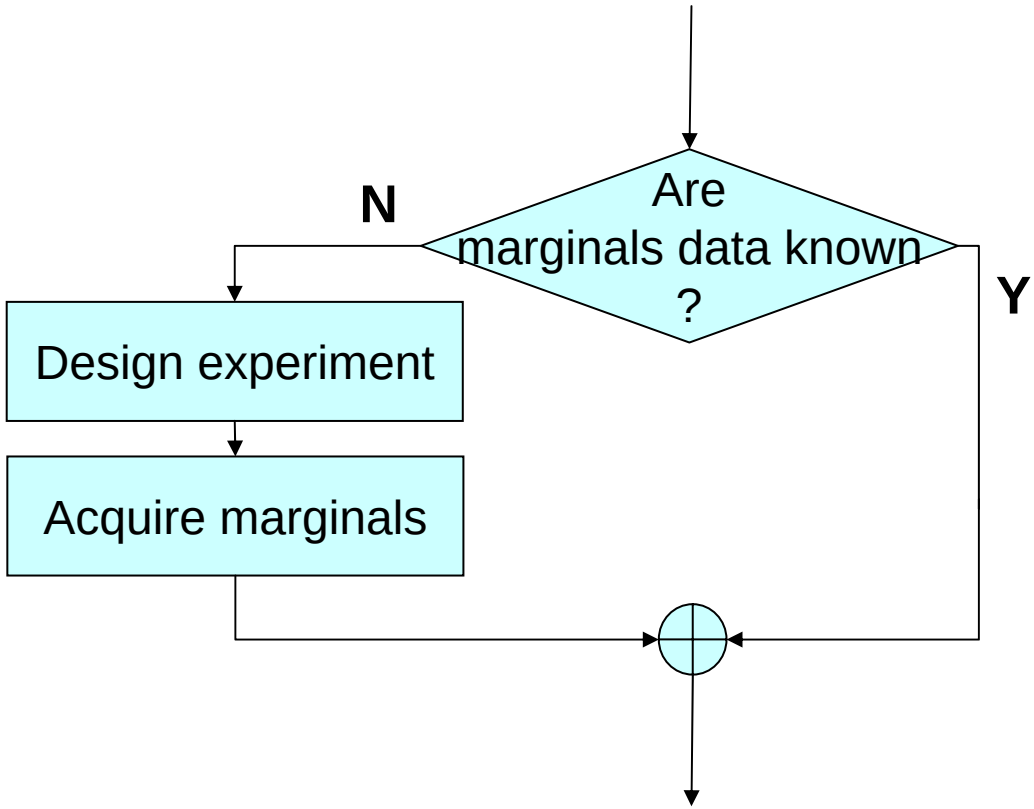


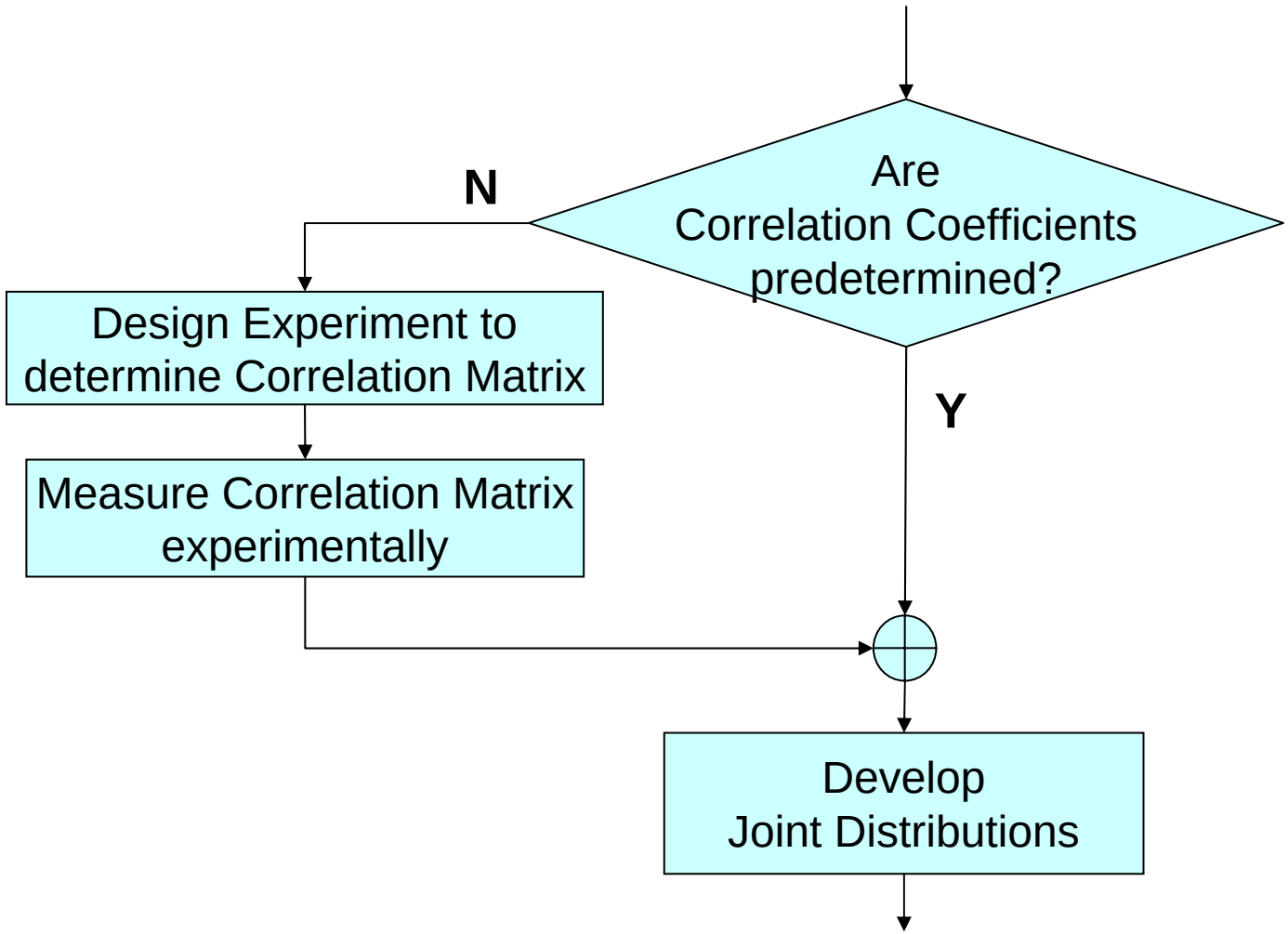
*Marginals = mean and variance

Is Statistical Independence Valid? 7



Acquire Marginals 8



Acquire Joint Distributions

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