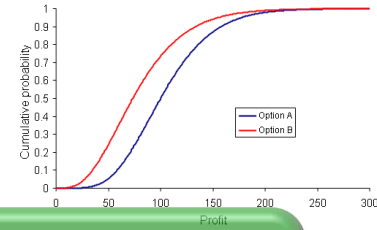


## Deterministic modeling

Plant modeling  
External event modeling

Parameters	Distribution
Wave height (m)	Exponential
Wave impact time (h)	Uniform
Diesel recovery time (h)	Weibull
Off-site grid recovery time <sup>a</sup> (h)	Lognormal
Off-site grid recovery time <sup>b</sup> (h)	Lognormal
Batteries failure time (h)	Triangular
Batteries recovery time (h)	Lognormal



## Stochastic modeling

Identify uncertain parameters  
and associate a pdf

## Stochastic analysis

Sample the pdfs  
Run N times system  
simulation code(s)  
Evaluate CD probability