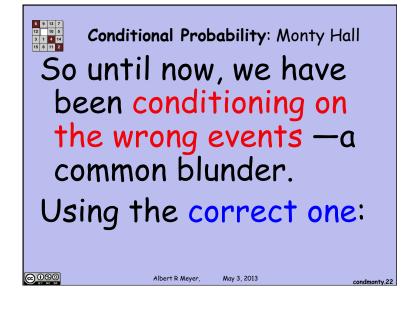
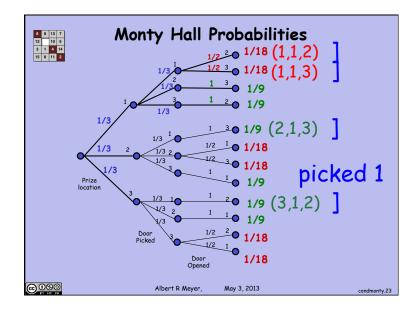
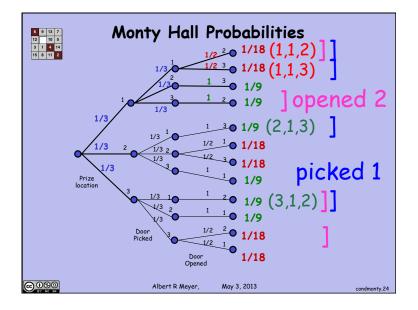


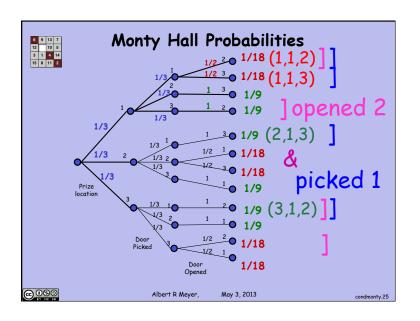
Stick or Switch?

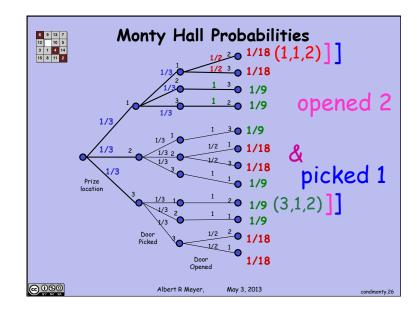
Seems the contestant may as well stick, since the probability is 1/2 given what he knows when he chooses. Wait! contestant knows more than what door he picked & where a goat is, he knows what door Carol opened!

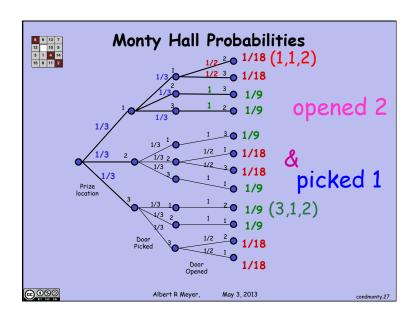


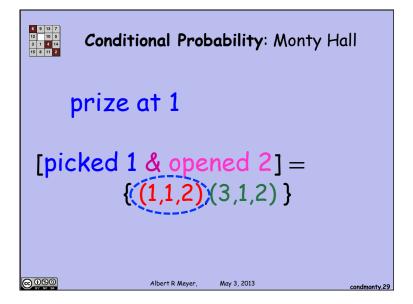












```
Conditional Probability: Monty Hall

Pr[prize at 1 | picked 1 & opened 2]

[picked 1 & opened 2] = {((1,1,2))(3,1,2)}

Pr=1/18 Pr=1/9
```

