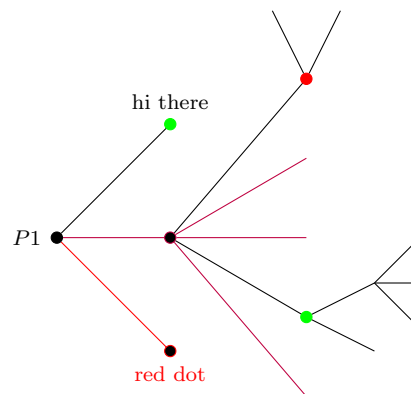


# Latex Tikz Examples, Discrete and Continuous Strategy Trees

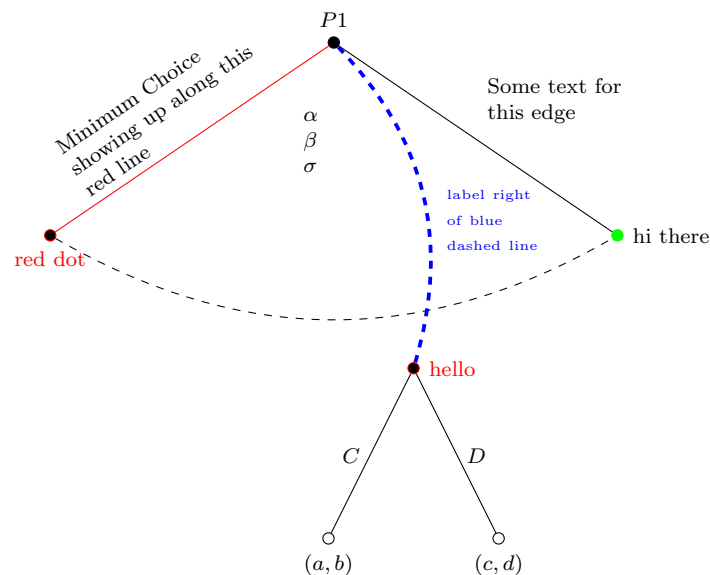
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March 30, 2020

## 1 Grow Tree towards Different Directions



## 2 Continuous and Discrete



## 3 Grow Three to the Right, Discrete and Continuous Multiple

There are three choices, choose consumption share first, which also means the residual goes to overall investment share.

1. **continuous**, choose consumption, or aggregate investment, rightward bend span, three node, center longer to match bend

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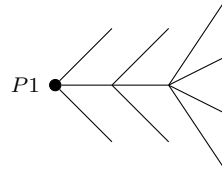
\*<https://fanwangecon.github.io>, repository: [Tex4Econ](#)

2. **continuous**, choose investment in capital, type 1 asset, residual goes to type two asset, rightward span, three node, center longer to match bend
3. **discrete**, within type 2 asset, choose a achieve the desired level of type two, rightward, five nodes, equi-distance

### 3.1 Develop Tree Outline

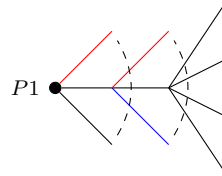
#### 3.1.1 Nodes Only

Draw nodes and branches, no text, no bending, no coloring.



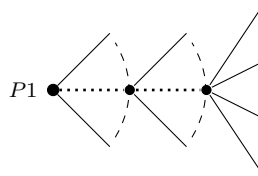
#### 3.1.2 First Two Nodes with Continuous Curved Bend Right

Add Continuous bending curves.



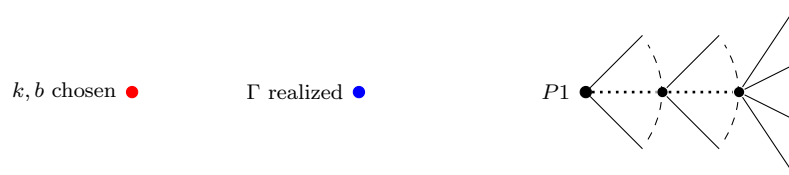
#### 3.1.3 Extend Middle node Rightward

Continuous bending exceed middle node, now offset middle node.



#### 3.1.4 State Node and Choice Nodes

States Nodes, Realizations, and then Continuous and Discrete Choice Nodes



### 3.2 Spanning Multi-Tree with Text as a part of Timeline

Two spanning continuous choices, with text on boundary, clear descriptions. inside of what choices are made. Then inset this as a part of a longer timeline.

### 3.2.1 Two Nodes and Text Along Edges

Draw nodes and branches, no text, no bending, no coloring.

