Create Dependency Trees
to
Map Success

To Make Accurate SoWs, Build Complete Project Maps

In this lesson, we will learn to map our projects using:
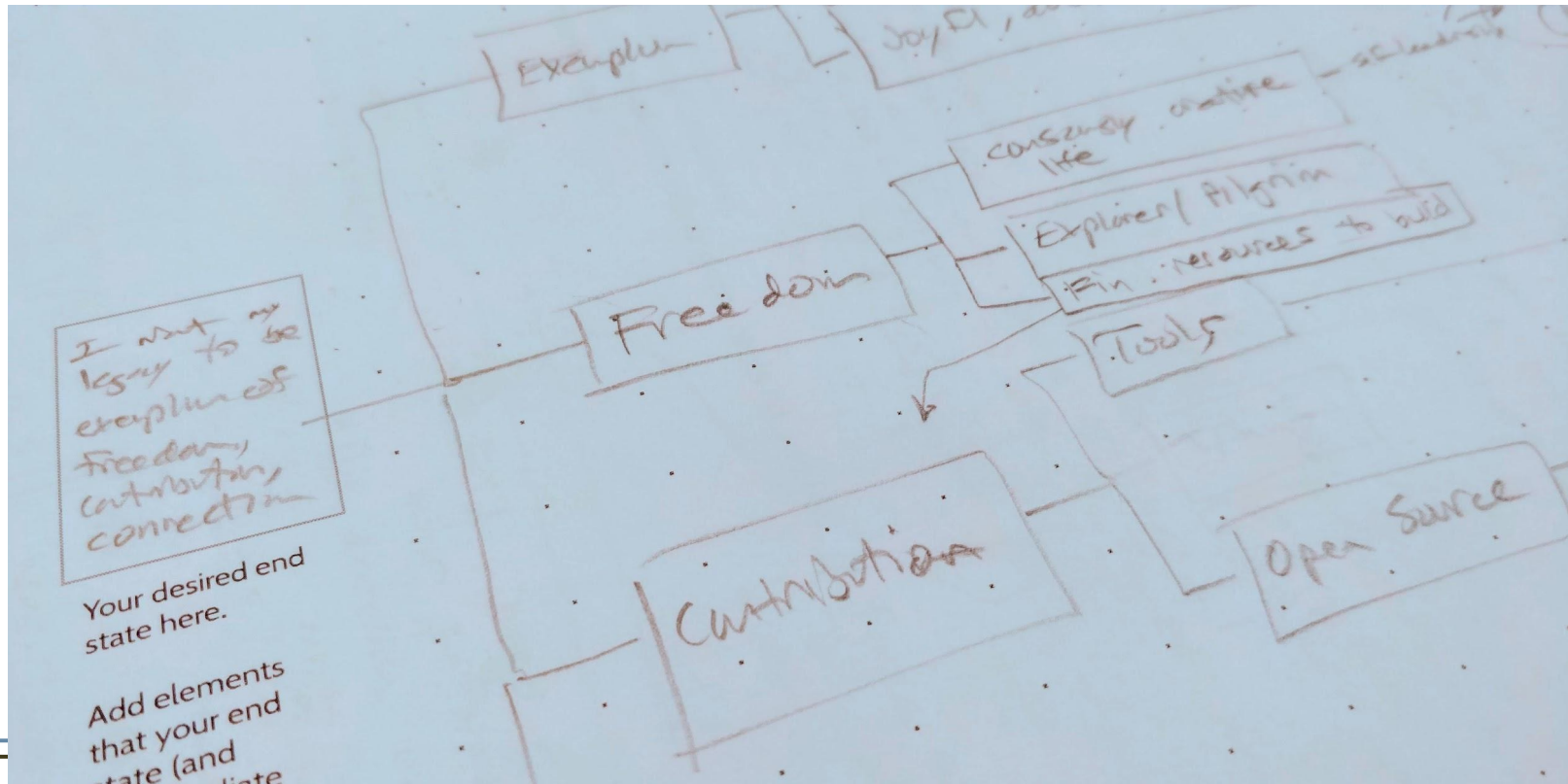
- **Dependency Trees** help us discover what needs to happen

Later lessons will help us turn the dependency tree into

- **Order of operations and critical path analyses** help us find a path
- **Gantt charts** help us land our plan in time
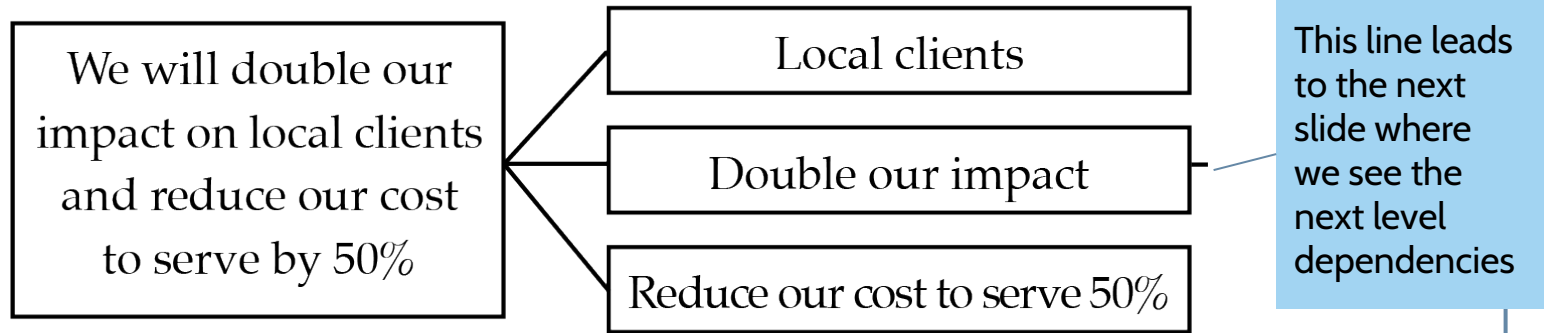   - So we can trot (not sprint) AND still deliver on time

Dependency tree and Gantt chart wisdom jigs are available here
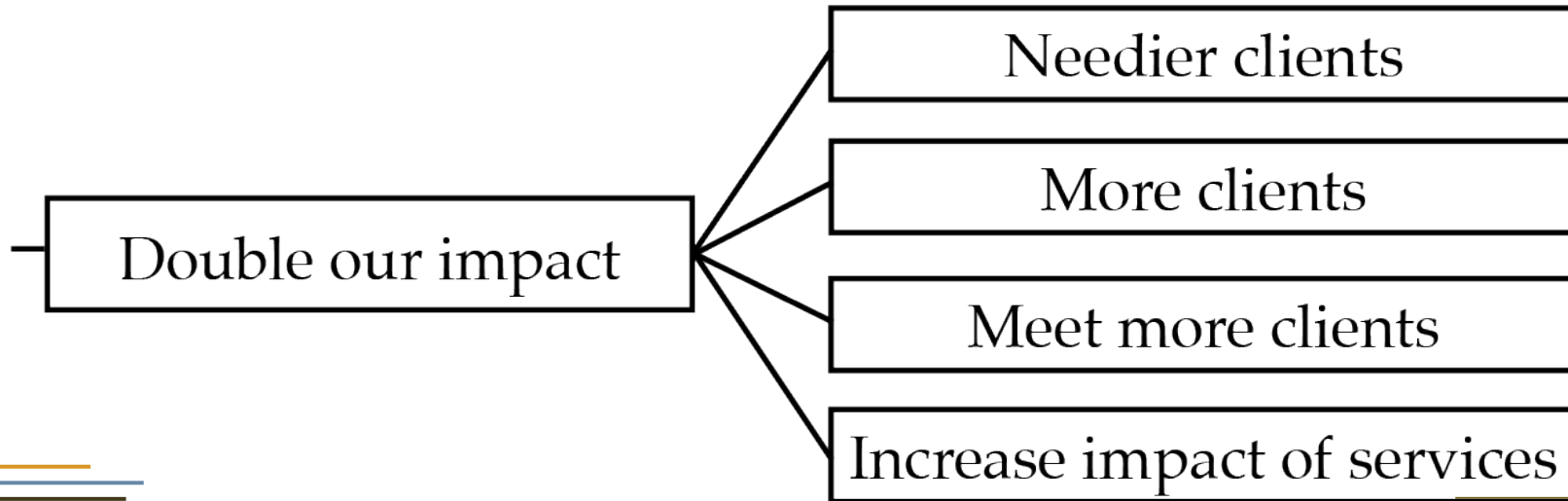
Dependency Tree - Sample

Dependency Tree Methods = HL pages 243-248 c10

- State your desired outcome as clearly as possible
- Pull out the key words/dependencies and note them to the right.
- Continue teasing out what each box you draw will depend upon working from top to bottom and left to right.
- Your right most boxes should all be fairly discrete tasks

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┌─────────────────────┐         ┌──────────────────────────┐
│  We will double our │ ─────── │       Local clients      │
│ impact on local     │         └──────────────────────────┘
│ clients             │         ┌──────────────────────────┐
│ and reduce our cost │ ─────── │     Double our impact    │
│ to serve by 50%     │         └──────────────────────────┘
│                     │         ┌──────────────────────────┐
└─────────────────────┘ ─────── │ Reduce our cost to serve 50% │
                                └──────────────────────────┘
```

This line leads to the next slide where we see the next level dependencies

Dependency Tree Method – Level 2+

From each first level branch node, add additional branches for each element required to accomplish that node.

More Advanced Uses of Your Dependency Tree

Look for nodes that are

- On the right edge of your tree for likely starting points
- Must be done sequentially
  - These are likely on your critical path (the shortest route to completion)
  - Should be the focus of the early best efforts of your most skilled people to de risk the project
- Could be done in parallel
  - These are opportunities to delegate and accelerate
- Dependent upon each other across the branches
  - Doing those early might allow you to accelerate your project and reduce risk