# DE - Critical path analysis.

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| **What is a critical activity and a critical path?** | * Critical activity - an activity with 0 float. * Critical path - a sequence of critical activities.   *There may be more than 1 critical path.* |
| **What are the limitations of critical path analysis?** | 1. Estimating competition times can be difficult - especially for new projects. 2. Defining links for large projects becomes complicated very quickly. |
| **How are Gantt / Cascade Charts constructed?** | 1. Place the critical activities first. 2. Add every other activity on its own row **WITH** its earliest start and latest finished times in boundaries (within which they can be moved). 3. Put a ‘fence’ on the chart to show precedence, such as C cannot begin until A is complete. |
| **How are Resource Histograms levelled?** | By looking at both your Gantt chart and resource histogram to see what can be moved.    Becomes…    Which can be levelled to… |