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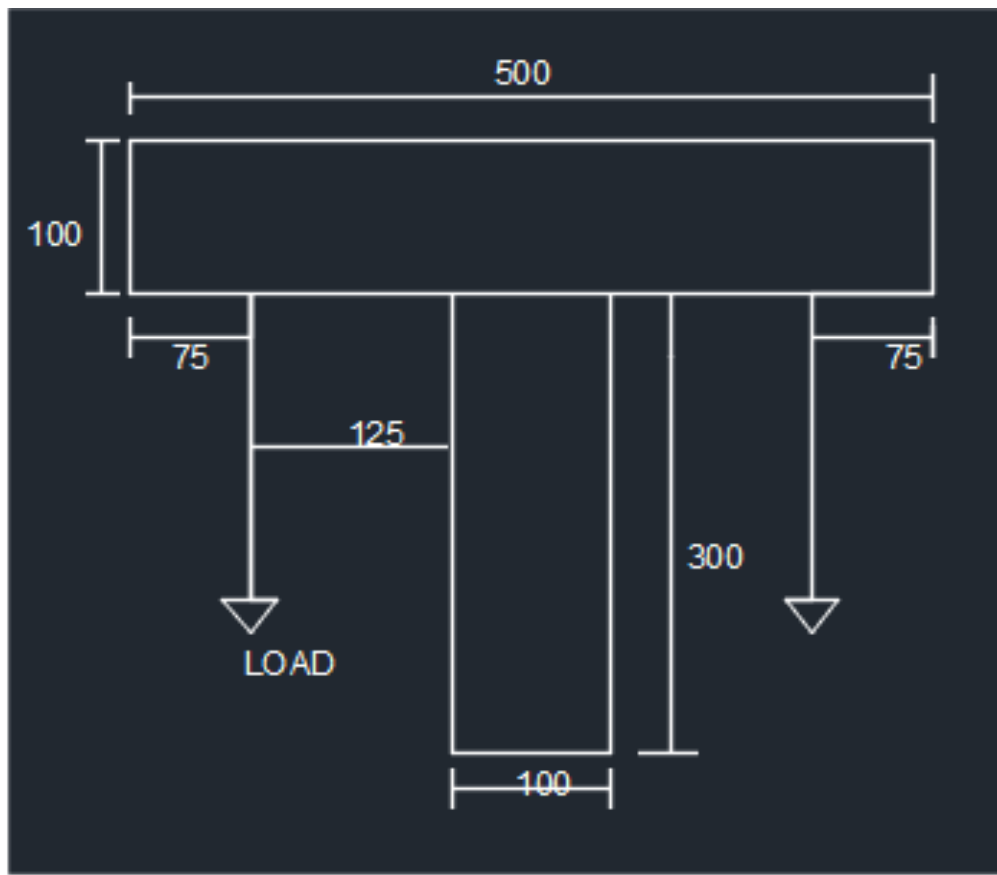
...Construct your own structure

PROBLEM STATEMENT

Build an **overhang** section using pop-sickle sticks as per the given specifications.

SPECIFICATIONS OF SECTION

The section consists of two parts- Web and loading arm. (Please refer the figure)



Materials to be used:

- Standard Pop sickle sticks/ice-cream sticks of maximum 12 cm in length, maximum 1.5 cm in width and maximum 4 mm thick.
- Only Adhesives (Synthetic white adhesive or single component cyano-acrylate adhesive) can be used to build the structure. (Adhesives such as M-Seal® are not allowed.)

BUILDING RULES

- The pop-sickle sticks can be trimmed and used in smaller pieces.
- Pop-sickle sticks can be stacked to make stronger elements.
- The structure of the section must be made entirely of these sticks and adhesives.
- The structure may not be painted, sprayed or dipped in any coating material. All glue should be removed from surfaces that are not bonded together.

TESTING

- Load should be attached on the ends of the loading arm 75mm from either side.
- The load will be decided by the participant & the number of chance will not be more than 3. (Max. load will be 15 kg on each sides of overhang section).
- Structure must carry the load for at least 20 seconds otherwise previous load will be considered for calculation.
- The hook for loading and metal base will be provided by organizer.(please refer the figure
- Score will be calculated by following formula

$$\text{SCORE} = \frac{\text{Total load carried by structure}}{\text{Self weight of structure}}$$

GENERAL RULES

1. Shape: Structure could be of absolutely any shape satisfying the above constraints.(flange may be triangular or rectangular and web must be rectangular in shape)
2. Once the structure is weighed, you are not allowed to modify your structure in any way.
3. If the structure fails to satisfy any of the above constraints then it will be summarily rejected.
4. Any team that is not ready at the time specified will be disqualified immediately.
5. Judges' decision shall be final and binding on all.
6. The organizers reserve all rights to change any or all of the above rules as they deem fit.Change in rules, if any will be highlighted on the website/forum.

CERTIFICATE POLICY

1. All the participating teams will get Certificate of Participation.
2. Top 2 teams will be awarded by Certificate of Excellence.

TEAM DETAILS

1. A team can have a maximum of 2 or 3 members.
2. Students from different educational institutes are allowed to make a team.

ENTRY FEES

Rs. 100 per team of 2 participants

Rs. 150 per team of 3 participants

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