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| **Design Brief**  |
| Client Company: | Ziglejeva Inc. |
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| Designers: | Owen Dennis |
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| Problem Statement: | Using West Point Bridge Designer, each person must design a  |
|  | bridge that is capable of withstanding a truck and its own |
|  | weight. |
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| Design Statement: | The objective is to design a bridge using the least amount of  |
|  | Materials that can still hold its own weight based off the  |
|  | geometric shapes that make up the bridge. |
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| Constraints: | * The minimum cost must be $400,000.
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|  | * Must be 24 meters above the water.
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|  | * Cannot exceed 8.5 meters above the river bank.
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|  | * The deck must be 10 meters wide.
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|  | * It must withstand a Standard 226 kN truck.
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