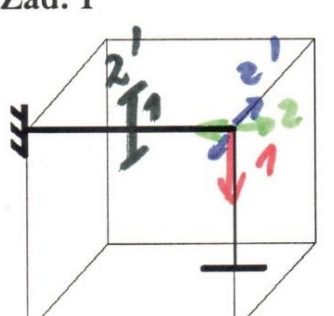
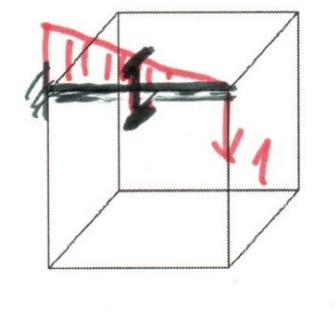
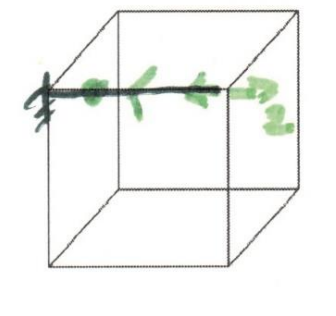
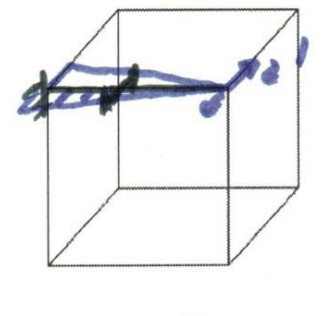
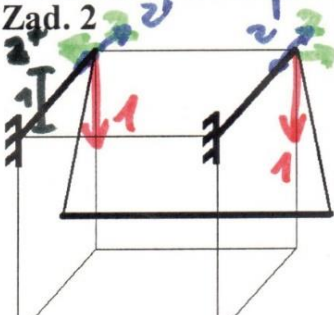
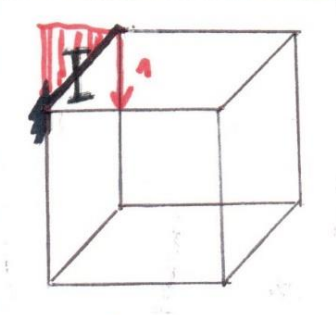
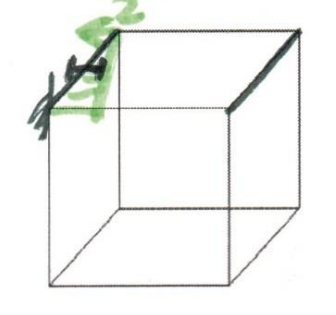
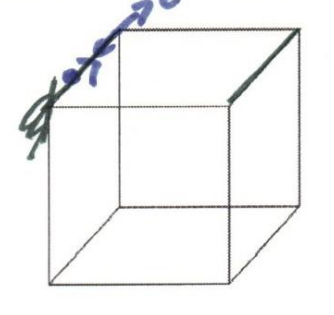
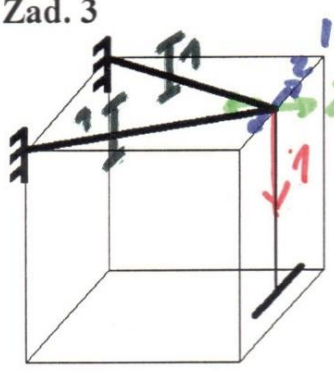
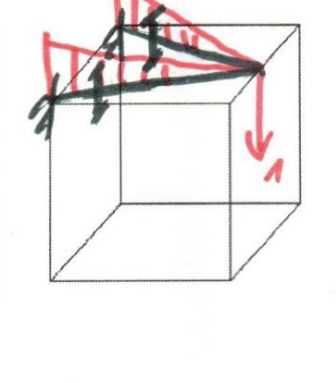
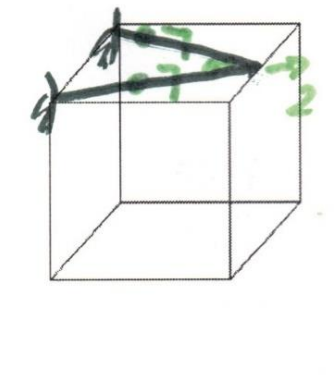
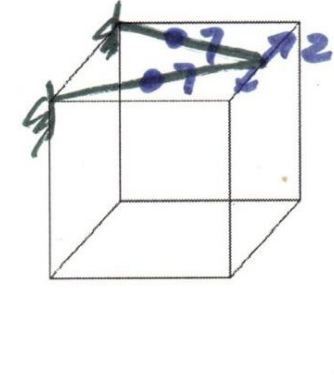
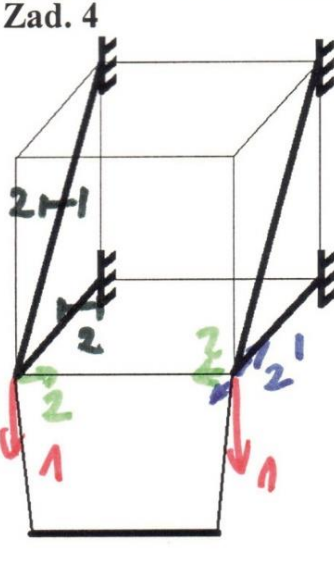
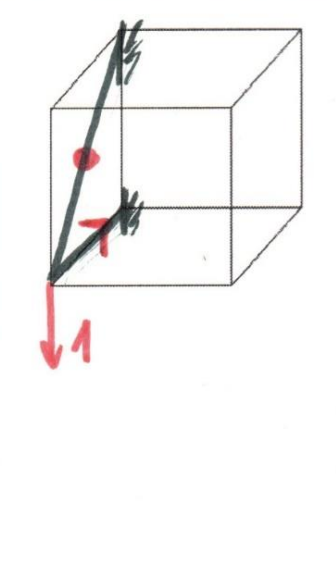
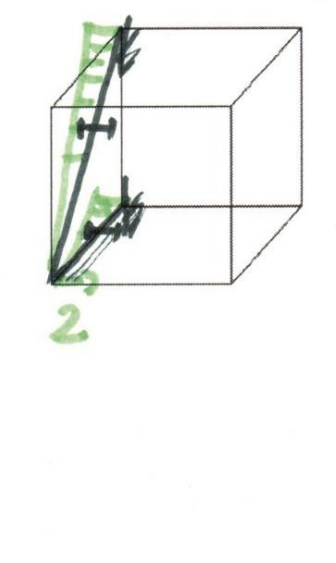
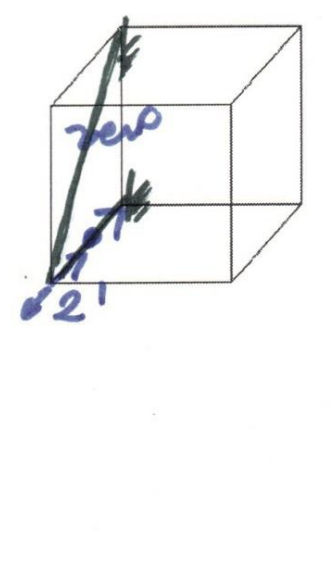
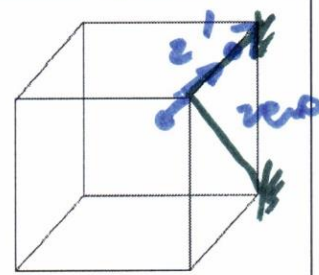
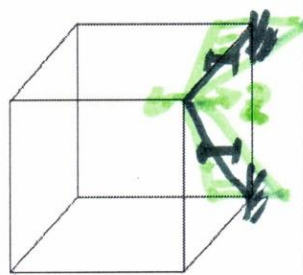
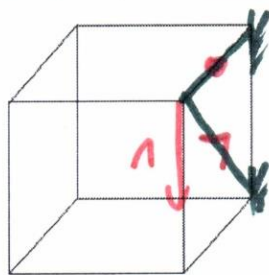
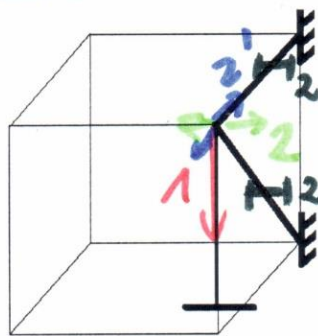


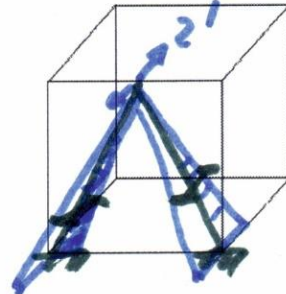
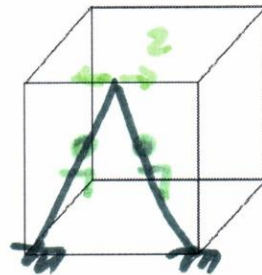
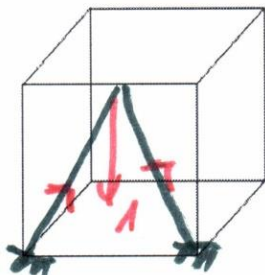
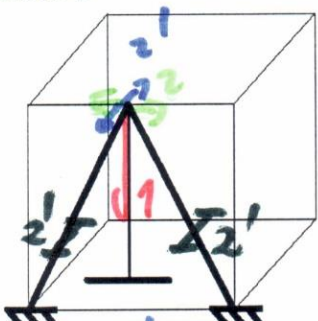
KONSTRUKCJE BUDOWLANE 3 - METALOWE sem. VI
 Temat 1: Huśtawki

Zad. 1  A 3D wireframe cube containing a horizontal beam. The beam is supported by a fixed support on the left and a roller support on the right. A downward force F_1 is applied at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a beam with a triangular load. The load is represented by a red triangle with a peak at the left end. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a beam with a distributed load. The load is represented by a green line with arrows pointing downwards. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a beam with a point load. The load is represented by a blue dot. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.
Zad. 2  A 3D wireframe cube containing a truss structure. The truss has a horizontal beam supported by a fixed support on the left and a roller support on the right. A downward force F_1 is applied at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a triangular load. The load is represented by a red triangle with a peak at the left end. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a distributed load. The load is represented by a green line with arrows pointing downwards. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a point load. The load is represented by a blue dot. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.
Zad. 3  A 3D wireframe cube containing a truss structure. The truss has a horizontal beam supported by a fixed support on the left and a roller support on the right. A downward force F_1 is applied at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a triangular load. The load is represented by a red triangle with a peak at the left end. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a distributed load. The load is represented by a green line with arrows pointing downwards. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a point load. The load is represented by a blue dot. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.
Zad. 4  A 3D wireframe cube containing a truss structure. The truss has a horizontal beam supported by a fixed support on the left and a roller support on the right. A downward force F_1 is applied at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a triangular load. The load is represented by a red triangle with a peak at the left end. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a distributed load. The load is represented by a green line with arrows pointing downwards. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.	 A 3D wireframe cube containing a truss structure with a point load. The load is represented by a blue dot. A downward force F_1 is shown at the right end. A reaction force R_1 is shown at the left support. A coordinate system with axes 1 and 2 is indicated.

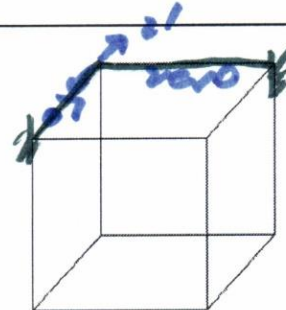
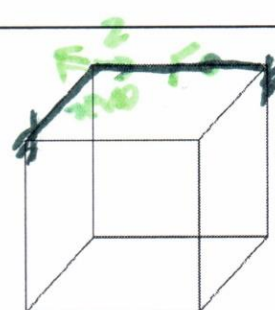
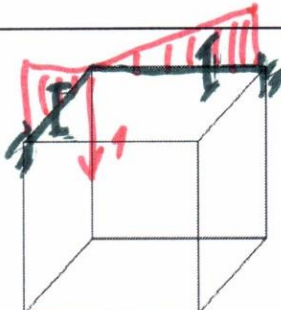
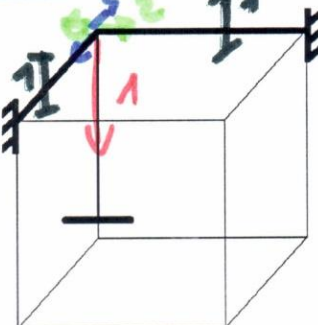
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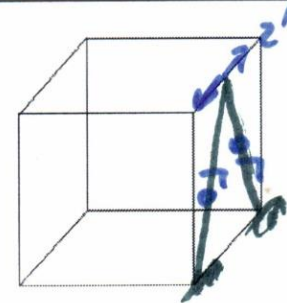
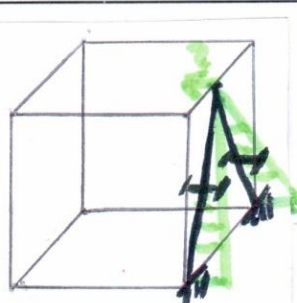
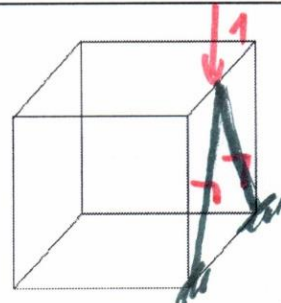
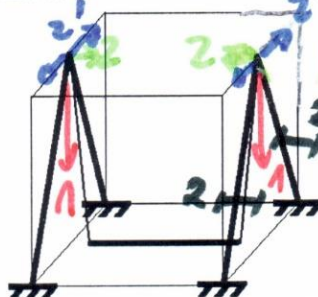
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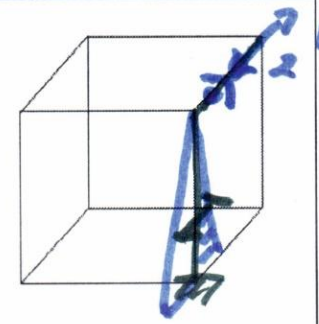
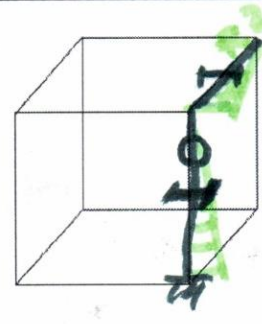
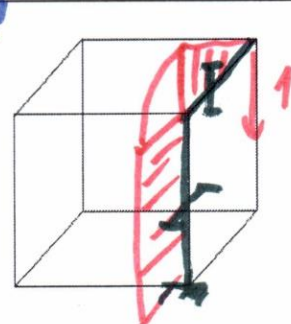
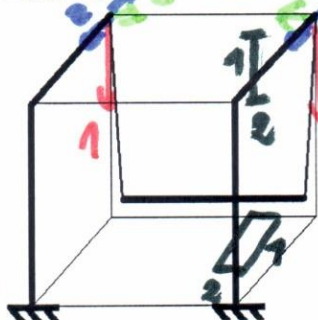
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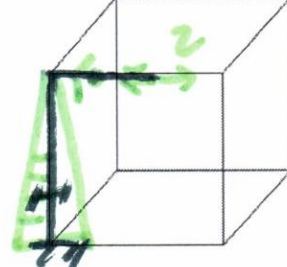
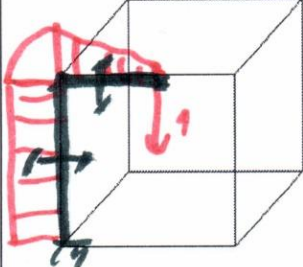
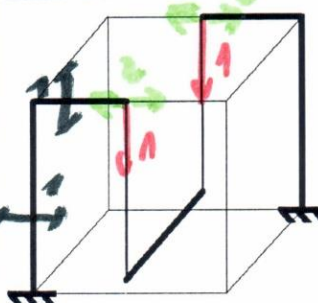
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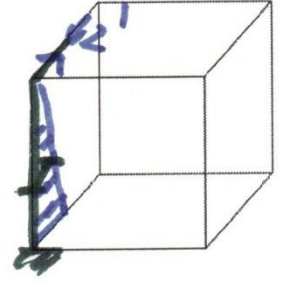
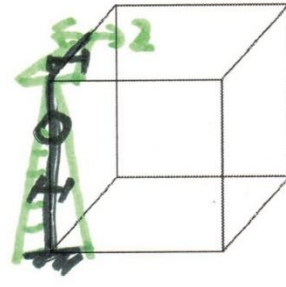
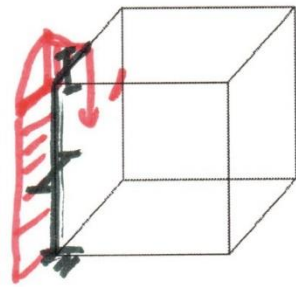
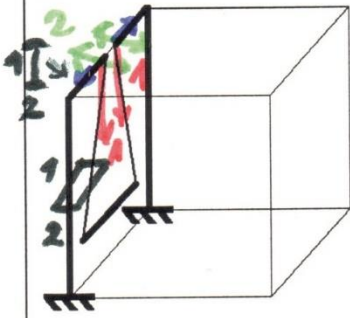
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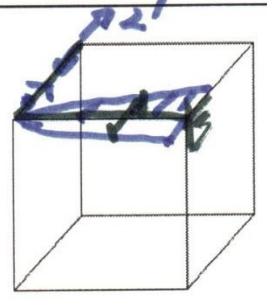
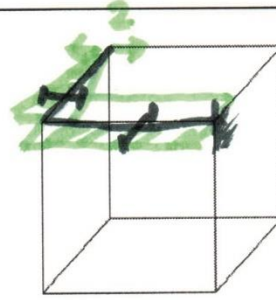
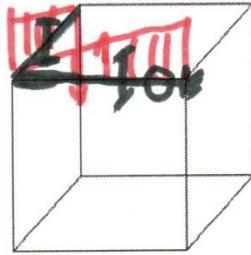
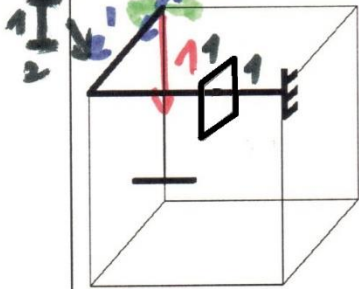
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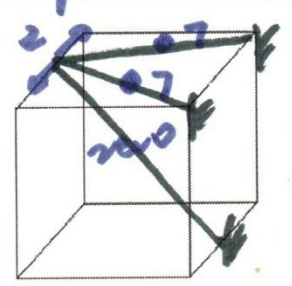
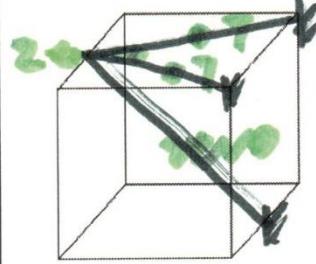
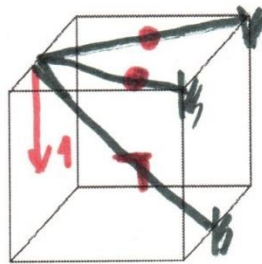
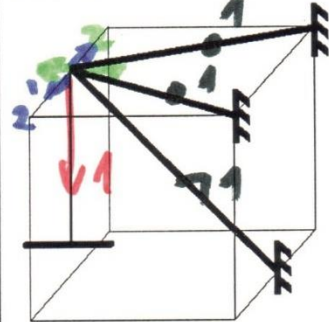
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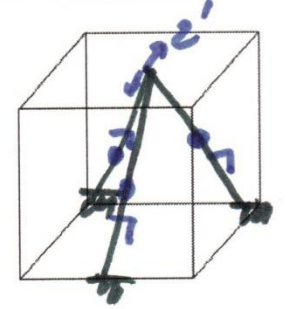
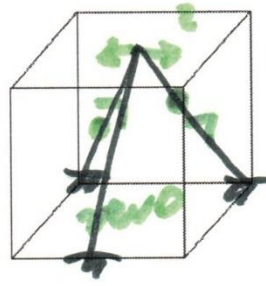
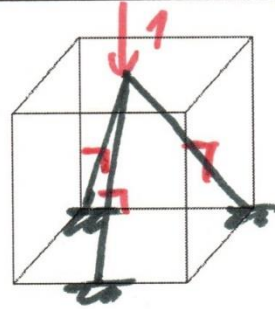
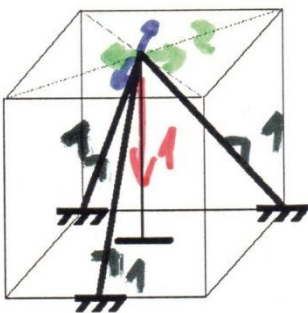
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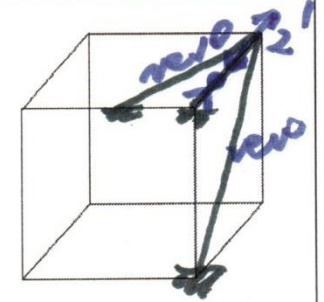
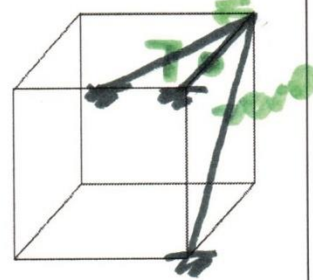
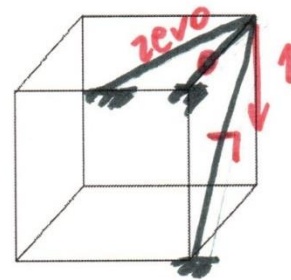
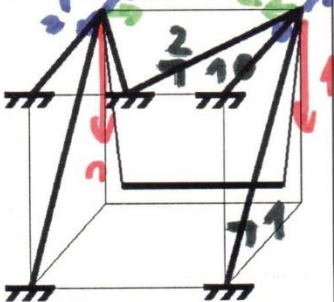
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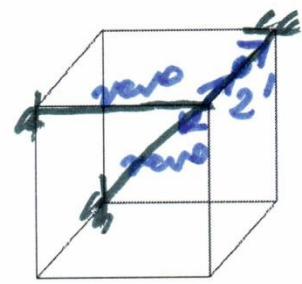
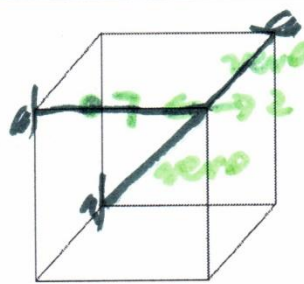
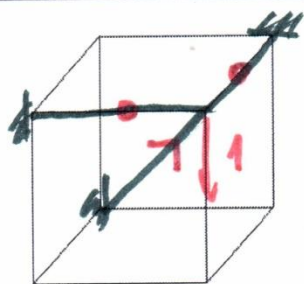
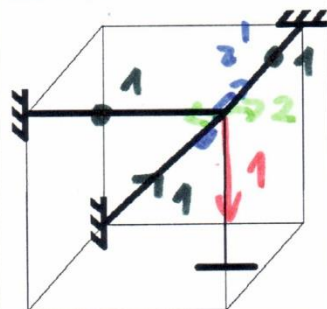
Zad. 14



Zad. 15



Zad. 16

**Zad. 17**