Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Assignment 3 (4p)**

Derive the component forms of cylindrical shell force equilibrium equations in the  coordinate system starting from the invariant form . The force resultant representations and kinematic quantities of the cylindrical shell  coordinate system are

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