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| Nota di contenuto | <p>""Contents""; ""Abstract""; ""Chapter 1. Introduction""; ""1.1. The algebra""; ""1.2. Categorification""; ""1.3. Diagrammatics for the Karoubi envelope""; ""1.4. Categorification and symmetric functions""; ""1.5. Relations to other categorifications""; ""Chapter 2. Thick calculus for the nilHecke ring""; ""2.1. The nilHecke ring and its diagrammatics""; ""2.2. Boxes, thick lines, and splitters""; ""2.3. Partitions, symmetric functions, and their diagrammatics""; ""2.4. Splitter equations, explosions, and idempotents""; ""2.5. The nilHecke algebra as a matrix algebra over its center""</p> <p>""Chapter 3. Brief review of calculus for categorified $sl(2)$""""3.1. The algebra""; ""3.2. The 2-category""; ""3.3. Box notation for""; ""3.4. Karoubi envelope""; ""Chapter 4. Thick calculus and""; ""4.1. Thick lines oriented up or down""; ""4.2. Splitters as diagrams for the inclusion of a summand""; ""4.3. Adding isotopies via thick caps and cups""; ""4.4. Thin bubble slides""; ""4.5. Thick bubbles""; ""4.6. Thick bubble slides and some key lemmas""; ""Chapter 5. Decompositions of functors and other applications""; ""5.1. Decomposition of $a^{\circ\wedge}(\)a^{\circ\wedge}(\)1_{\{ \}}$""</p> |

""5.2. Decomposition of $a^{\circ} \wedge () \} a^{\pm} \wedge () \} 1_{\{ } \} ""$ 5.3. Indecomposables
over a° ""; ""5.4. Bases for HOMs between some 1-morphisms"";
""Bibliography""
