

 $v_{\pi(1)}$   $v_{\pi(2)}$   $v_{\pi(3)}$   $v_{\pi(4)}$   $v_{\pi(5)}$ 

rectangles are B's vertices. In the example, i = 4.

Figure 1: Illustration for the way in which the graph G' constructed in the proof of Case A of Lemma?? can be embedded into the page of a book. The blue