$$(n,k) = \begin{pmatrix} (3,53) & (3,54) & (9,54) & (9,55) & (9,55) \\ b^5 & B^5 & abb_2 & ABB_2 & b^4 \end{pmatrix}$$
 $be' & BE' & bb_2 & BB_2 & e'$