

$$p^{(1)}_1 p^{(1)}_2 p^{(2)}_1 p^{(2)}_2 p^{(1)}_3 p^{(2)}_3 [scale=0.7] (0,0) pic sys coordinate (A1); (4,0) pic sys coordinate (A2); (8,0) pic sys coordinate (A3);$$