



R1: $1.00\text{NC}_{10}\text{H}_{20} \Rightarrow 0.500\text{C}_3\text{H}_5\text{-A} + 0.500\text{C}_4\text{H}_7\text{1-3} + 0.250\text{NC}_5\text{H}_{11} + 0.750\text{NC}_7\text{H}_{15}$

R2: $1.00\text{NC}_{10}\text{H}_{21} \Rightarrow 0.750\text{C}_3\text{H}_6 + 0.250\text{NC}_5\text{H}_{11} + 0.250\text{NC}_5\text{H}_{10} + 0.750\text{NC}_7\text{H}_{15}$