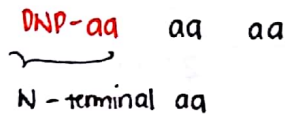
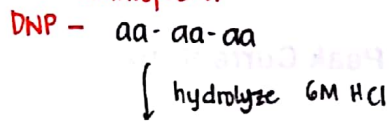


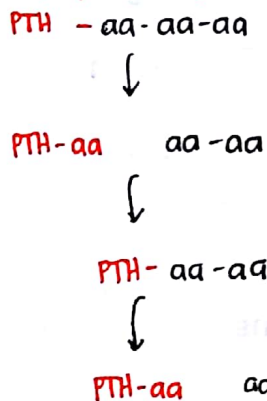
DETERMINING THE PRIMARY STRUCTURE

Chemical analysis

① 2,4-dinitrofluorobenzene (DNFB) / Sanger's reagent
→ dinitrophenol

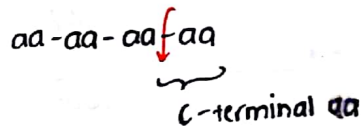


② phenylisothiocyanate / Edman's reagent
→ phenylthiohydantoin



sequential
cleaving of
N-terminal aa

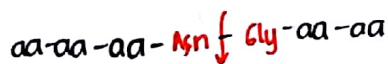
③ Hydrazine



④ Cyanogen Bromide (CNBr)

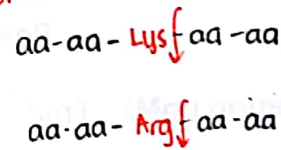


⑤ Hydroxylamine HCl

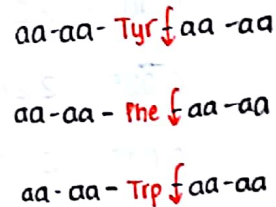


Enzymatic Hydrolysis

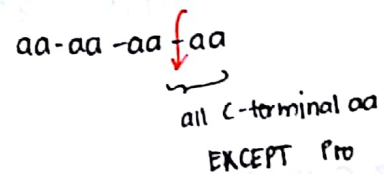
① Trypsin



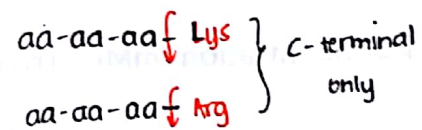
② chymotrypsin



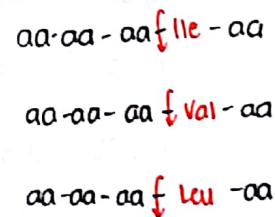
③ Carboxypeptidase A



④ Carboxypeptidase B



⑤ Thermolysin



⑥ Streptococcal protease

