

7/- Protéine normale : Lys - Ser - Pro - Ser - Leu - Asn - Ala .
 ,, anormale : Lys - Val - His - His - Leu - Met - Ala .

Protéine normale : Lys - Ser - Pro - Ser - Leu - Asn - Ala .

AAA	UCC	CCU	UCU	UUA	<u>AAU</u>	GCU
AAG	UCC	CCC	UCC	UUG	AAC	GCC
	UCA	<u>CCA</u>	<u>UCA</u>	<u>CUU</u>		GCA
	UCG	CCG	UCG	CUC		GCG
	<u>AGU</u>		AGU	CUA		
	AGC		AGC	<u>CUG</u>		

deletion de A → (pointing to the underlined AGU in the Lys codon)

addition de G → (pointing to the underlined CUG in the Leu codon)

Protéine anormale : Lys - Val - His - His - Leu - Met - Ala .

AAA	GUU	<u>CAU</u>	<u>CAU</u>	<u>UUA</u>	<u>AUG</u>	GCU
AAG	<u>GUC</u>	CAC	<u>CAC</u>	UUG		GCC
	GUA			CUU		GCA
	GUG			CUC		GCG
				CUA		
				CUG		

⇒ la structure de l'ARN_m de la protéine normale est la suivante :

ARN_m original : 5' AAA AGU CCA UCA CUU AAU GCU 3'

AAG

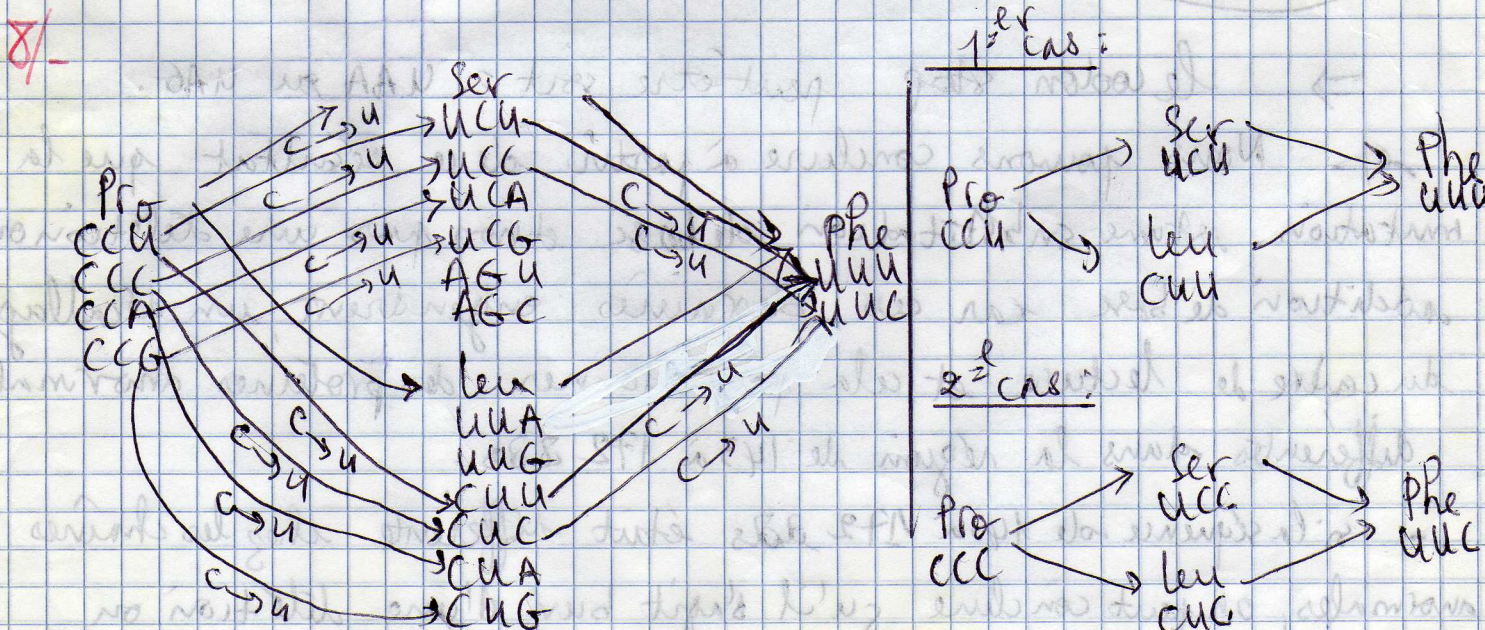
GCC
GCA
GCG

⇒ la structure de l'ARN_m de la protéine anormale est la suivante :

ARN_m muté : 5' AAA GUC CAU CAC UUA AUG GCU 3'

AAG

GCC
GCA
GCG



⇒ il y a deux cas possibles -7-