From figure 8 (algorithm for computing UDUT factorization of a symmetric matrix, the below changes are to be made? Optiona aoi= aoi/ai Aso:= Aso - an asi asi (updating upper triangle).

Then

	Exercise 5.2
	From the repartition AFF=100 COEMEL
	AFF &FM EL O AGE AND AND AND AND AND AND AND AN
	ALL A A A A A A A A A A A A A A A A A A
	where AFF -> (AOO COIEL) OFMEL -> (0) XMM + X22 XMM /
	According to algorithm (Fig 8 update mentioned above), the key update is is $a_{01} \rightarrow (0)$; hence (Also, in this partition, α_{11} is α_{22})
(i)	$\begin{array}{c c} \alpha_{12} \\ \hline \\ 0 \\ = \end{array} \begin{array}{c} \alpha_{12} \\ \hline \\ \alpha_{22} \end{array} \Rightarrow \begin{array}{c} \alpha_{12} \\ \hline \\ \alpha_{22} \end{array}$
/ii\	$ \alpha_{12} \alpha_{12} $ $ Aoo \alpha_{01}e \cdot = Aoo \alpha_{01}e - \alpha_{22} 0\rangle 0\rangle^{T}$
((1)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	A 011-0220(12)/11

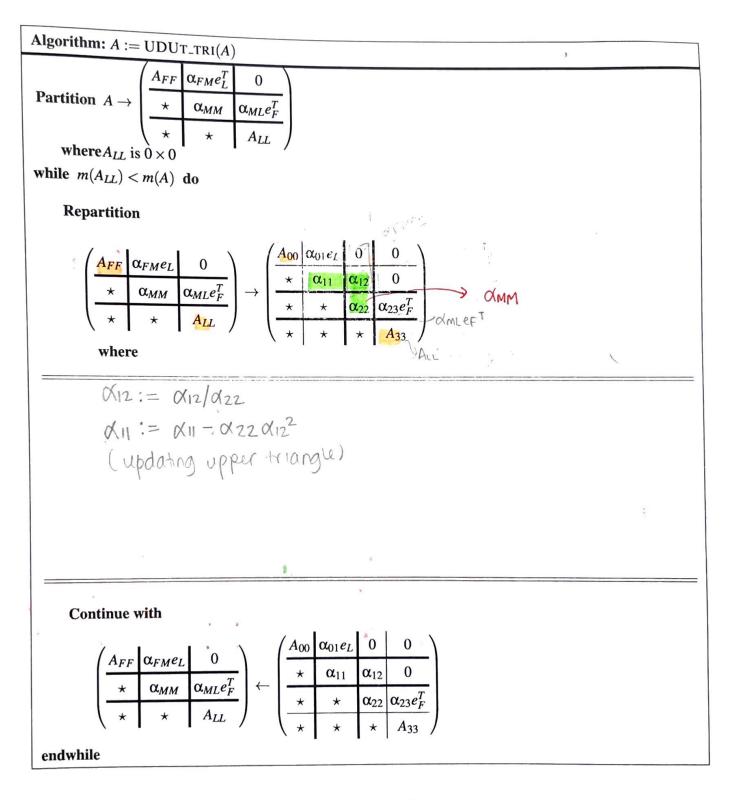


Figure 9: Algorithm for computing the the UDU^T factorization of a tridiagonal matrix.