	1
, <u>(</u>	Hw 1 - 1-15, 2 (a or b), 5 Solution
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	air = an + 922 + 933 = 1 + 2 + 2 + 5 (scalar)
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	$a_{1j} a_{jk} = \begin{cases} (a_{11} a_{11} + a_{12} a_{12} + a_{13} a_{31}) & (a_{11} a_{12} + a_{12} a_{22} + a_{13} a_{32}) \\ () & () \end{cases}$
	$= \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	$= [a]\{b\} = 0 2 f = 3 \{ (Vector) \}$ $= 3 \times 3 \times 1 $

1-5 det (a,) = eight afi azi 93 k Sum on i & j, retaining non-zero forms det (2) = e, f3 a, 922 933 + e, f3, 9,2923 931 + C/12 913 921 932 + C/21 913 922 931 + e/32 911 923 932 + C/213 912 921 933 = 911 922 933 + 912 923 931 + 913 921 932 - 913 922 931 - 911 923 932 - 912 921 933