An example of case 1:
$A = \begin{bmatrix} -42 & -33 \end{bmatrix}$
$A = \begin{bmatrix} 42 & -33 \\ 22 & -13 \end{bmatrix}$
det (A-2I) = det /42-2 -33 = 180 - 292+22
122 -13-2 -
= (20-2)(9-2)
the state of the s
> The dio eigen values are district, 7 = 20, 2=9
Burn Ball Control of the Control of
Ending corresponding eigen rector
The same of the sa
i) For λ = 20; A-λ, T = [22 -33] → RREF
122 - 32
1 -3/2
1 - 3/2
so we can take any scalar multiple of the an eigen
vector > Lo V= 3
2 2
e to the second transmitted to the second of the
7 AV; 7 V; 20 3
2
The Therenes
Similarly for, 22
The state of the s
and the second of the second o
Neelgagan