REM BAHASAN ALTABAR LINEAR UAS 2017/2018 A 1. 5 (9) eigen value  $(\lambda I - A) = 0$ det det -2 7-1 7-5 2 -2 = 0 7-1 \* cara adjoint 7-2 -2 7-5 -2 2 7-5 ekspansi banis pertama:  $(\lambda - 5) \cdot ((\lambda - 5)^2 - 4) - (-2) \cdot (-2 \cdot (\lambda - 5) - 4)$ + 2.(-4-2(7-5)) => (7-5) (21-102+21)+2.(-27+6)  $+ 2.(-2\lambda + 6)$ -0 x3 -10x2 + 21x -5x2 +50x -105 -42 +12 -42 +12 -0 73-15 × + 63x -81 -12 63 -81 -36 81  $\rightarrow (\lambda^{-3})(\lambda^{2}-12\lambda+27)$ -12 27 0  $(\lambda-3)(\lambda-3)(\lambda-9)$ 7=3 V 7=9 eigen vector -2 7-5 2 18 -2 カーケ 7 772 M3. 2 7-5 \* 7=3 --2 2 -2 2 -2

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	2 [1] D] 2 [0] - f [1] [1]
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(b) * Baris eigenspate untile 7 = 3 - []    D   dan   1     D     A Bani eigenspate until 7 = 9 - [-1]  -1	
SIDD	