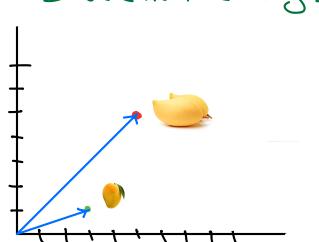


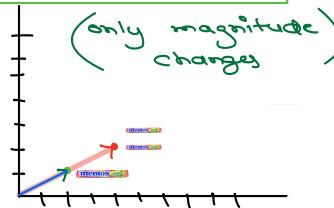
Ex:

Matoix ⇒ [1 2]



ector > mentos mentos de Vector

Ex:



Vector > np. dot (M, mentos mentos

Note that Mov= >.v where >=2

= How do we find mentos we bector for any xistors ベス = ケア can pe sensetten or m - 2 = 0 $\mathcal{D} = \sqrt{V(IK - M)} \mathcal{C}$ I we know that V # 0 Hence use can solve det (M - XI) =0 find values of ? D Uring n's we can find V Ex: M = 1 & 3 -4 Solving Det (M- >I) = 0 i.e. 1 2 - > 1 0 1 D det [1-1 2] 3 -4-1 D(1-7).(-4-7) - 2.3 D-4-7+47+3-6 D >2 +3> -10 $\mathcal{D}\left(\mathcal{V}-\mathcal{B}\right)\left(\mathcal{V}+\mathcal{L}\right)=0$ Hence 7,= 2 and 7, = 8 (EigenValue) To Do: Now using 7 gind ? (Eigen Vector)