Exacíco Todososvebroster fomme 2. Pora une porticula que van de A de B Pora une porticula que vai de Baté A? T? D? Como colcula D? Sempre que deuxmos une force veteral to modulo ous lank, dotens um uelos por pendiculars m (t)= <3cost 3sent> |m(t) | = \ J (05 t + 1 sen 2 t = 3 4 m + m 0 cm = 0

Vetor Biron mol B=TXN F Determine os vetores nama e binamet de nétice cincilar. Filt)=Costit souts +th Solução $T = \frac{\pi'}{|\vec{r}'|} = \frac{\langle -\text{sent}_1 \text{ cost}_1 \rangle}{\sqrt{(-\text{sent}_1^2 + (\text{cost}_1^2 + 1))}}$ $\frac{1}{T} = \frac{1}{\sqrt{2}} \left(- \operatorname{Sant}(\operatorname{cost}_{1}) \right)$ $\overrightarrow{N} = \overrightarrow{T} = \frac{1}{|\overrightarrow{T}|} = \frac{1}{$ t2 < -cost, -sant, 0> N= +2 <- cost, -sart, 0> 12 <-cost,-sart,0> $N = \langle -\cos t, -sent(o) \rangle$ V 6524 + Sen 24 +02 (Eo menos)
Oui,(-1)2=1 $\vec{R} = \langle -\cos t_1 - \sec t_1 \rangle$ $\vec{B} = \vec{T} \times \vec{N}$ $\vec{T} = \vec{V} - \vec{V} = \vec{V} =$ $\overrightarrow{B} = \frac{1}{\sqrt{2}} \underbrace{Sant}_{\sqrt{2}} \underbrace{\frac{1}{\sqrt{2}} \underbrace{Sant}_{\sqrt{2}} \underbrace{\frac{1}{\sqrt{2}} \underbrace{Cost}_{\sqrt{2}}}_{-Cost} \underbrace{\frac{1}{\sqrt{2}} \underbrace{Cost}_{-Sent}}_{-Cost}$ = 1/2 Cost K + 1 sent 7 + 0] + 01 - 1 Cost J + 1 set K 1 sout -1 Cost / Cost + 1 sout = \ \frac{1}{\sqrt_1} \frac{1}{\sqrt_2} \cost_1 \frac{1}{\sqrt_2} \cost_2 \frac{1}{\sqrt_2} \cost_1 \frac{1}{\sqrt_2} \cost_2 \frac{1}{\sqrt_2} \frac{1}{\sqrt_2} \cost_2 \frac{1}{\sqrt_2} \frac{1}{\sqrt_2} \cost_2 \frac{1}{\sqrt_2} \frac{ $\vec{b} = \frac{1}{\sqrt{2}} \langle \text{sert}, -\text{cost}, 1 \rangle$ 7 = 12 - Santicost, 1> $\vec{N} = \langle -\cos t_1 - \sin t_1 \sigma \rangle$ 1 < sert, -cost https://www.geogebra.org/3d/w6xf8yrm