Determine if l, \$ l, lines are // ar intersecting $l_{1}: r(t) = <2,5,-17+t<5,-2,37$ $l_2: d(t) = <0, -1, 27 + t < 2, 5, -1>2$ Χ. lz X= 5t+2 ', ≠ K V_ X= 29 4=-2++5 | y=59-1 It nor overloply めい 3ケー 2=-9+2 52+2=28 ~9= きもも==きもも $\frac{29}{10}t = \frac{1}{5} + \frac{2}{29}$ -2++5=58-1 $P = \frac{5}{29}(\frac{2}{29}) + 1 = \frac{34}{29}$ $2, -3(\frac{2}{2q}) - 1$ $z_2 = -\frac{34}{29} + 2$ دخ-کر

$$l_{1}: f(t) = \langle 2, 1, 0 \rangle + t \langle 3, 2, k \rangle$$

$$l_{2}: d(t) = \langle 0, -1, 1 \rangle + t \langle 3, 2, k \rangle$$
if $l_{1} \leq l_{2}$ intersect at a pt, find K .

$$e_{1} + 2 = x = 3p \quad (2p - 12 + 2 = 3p)$$

$$t + 1 = y = 2p - 1 \qquad pp = 10$$

$$t = 2p - 2 \qquad p = \frac{10}{1}$$

$$t = \frac{1}{2} = k \quad (\frac{10}{2}) + 1$$

$$-\frac{1}{2} = k$$