d is
$$\frac{\text{feas. direction at}}{\text{d} \neq 0: \times + 9 \text{d} \in P}$$
, for some $\theta > 0$

$$\int_{0}^{2} A d = 0$$

- of is feas. direction: 70>0 s.f. $x+0d \in P$. A(x+0d)=b A(x+
- · X; =0 => X; + 0d; 20 => d; 20.

Z. Ad=0, d:ZO for x:=0=7 d:S feas. direction. $(x+Od \in P)$ for some Oxion. Ad=0=7 A(x+Od)=b, for all O. Ax=b

Ad = 0 = 7 $A(x+\theta d) = 5$, for all θ . A = 0 = 7 $A(x+\theta d) = 5$, for all θ . A = 0 = 7 $A(x+\theta d) = 7$ $A(x+\theta d) = 7$

Xi>0, xi+0di20 for some 0>0, as long as

0 < θ < x;