PSTT

Y symmetrial In= 12 A Yn (20) = 1. ej 20° is(20) = 0,5. e) 1100

1) gen:
$$i_{1}(\hat{i}_{0})$$
; $i_{2}(\hat{i}_{0})$; $i_{3}(\hat{i}_{0})$; I_{1} ; I_{2} ; I_{3} ;

lu = - |ij · cos (50°) = -0,321 A

$$= \sum_{1} = -2,902 A$$

$$= \sum_{2} = 8,350 A$$

$$= \sum_{3} = -5,448 A$$

$$i_{s} = \frac{2}{3} \cdot \left(-0.171 + 0.492 \cdot e^{j120} - 0.321 \cdot e^{j240} \right)$$

$$i_{s} = \frac{2}{3} \cdot \left(-0.171 - 0.246 + j0.426 + 0.160 + j0.277 \right)$$

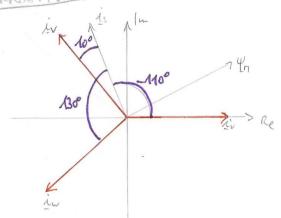
$$i_{s} = \frac{2}{3} \cdot \left(-0.257 + j0.703 \right) = -0.171 + j0.468$$

$$i_{s} = 0.498 \cdot e^{j1100}$$

r.ex= r.cos(p)+j.sin(p)

V=102462 = 0,498 4 = arc (a) + 1 = 110°

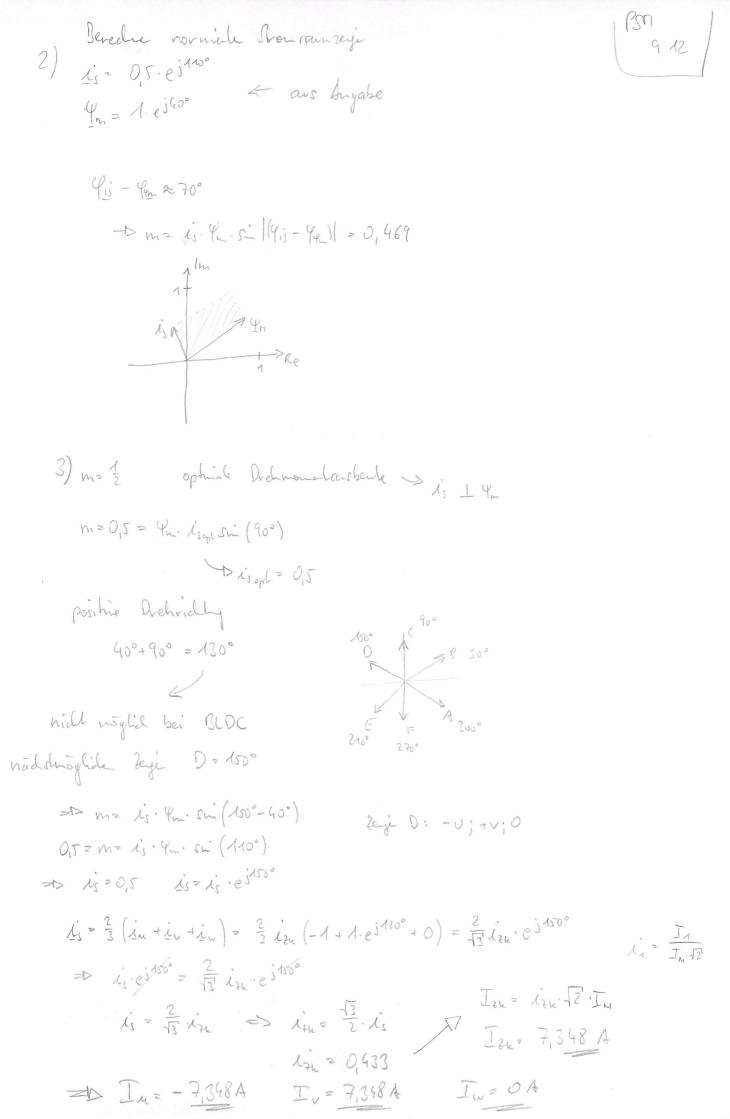
ALPRAGETY



$$i_{v} = |i_{s}| \cdot co_{s}(-110^{\circ}) = -0.171 \text{ A}$$

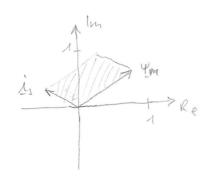
$$i_{v} = |i_{s}| \cdot co_{s}(10^{\circ}) = 0.492 \text{ A}$$

$$i_{v} = |i_{s}| \cdot co_{s}(130^{\circ}) = -0.321 \text{ A}$$



 $I_{2n} = 0.433A \qquad -1 \qquad i_{1} = -0.433A \qquad i_{2} = 0.433A \qquad i_{3} = 0$ $I_{2n} = i_{2n} \cdot \sqrt{2} \cdot I_{M} = 7.348A \qquad -1 \cdot I_{1} = -7.348A \qquad I_{2} = 7.348A \qquad I_{3} = 0$

4) Starie Ranzeje 4n und is



5) bezoge volorfede Spannpraunzeji fir sin Betrieb bei 20% Bezogsdrehzahl vs=0,07 (s=0,25