M. Has your Abdillat P. 1101191095 TT-43-61

2.a. Freheiens: 16 Wz. 1 = S11. 522 - S12. S21

= 0,05 L172°. 0,07 L-172° - 0,00 9 L-35°. 1,00 4 L44°

· 0,7795 Loo - 0,016 Lg.

=0,7237 -10,0025

101:0,7237

K = 1-15,12-152212+1012 2.15,2 521

2 1-0,852-0,872+0,72372 2.0,016

= 1,30

K>1; 101<1

: Transistor stabil tanpa symrat

Frekuens 4 6H2:

D= S11. S22 - S12. 521

= 0,95 L172°. 0,70 L-172° - 0,00 8 L-75°. 2,03 L49°

= 0,741 Lo° - 0,016 L9°

= 0,7252 - 50,0025 -> A = 0,7252 L0,2° = 0,7252 L0°

10/=0,7252

k: 1-15,12-152212+1012

2.15,2.5e,1

=1-0,95'-0,702+0,7252

2.0,016

= 0,469

4<1; 10/<1

.. Transistor stabil bersynat

$$R_{L} = \left| \frac{S_{12} \cdot S_{21}}{1 \cdot 3_{21}^{2} - 1 \cdot \Delta 1^{2}} \right| = \left| \frac{0.000 \, L - 35^{\circ} \cdot 2.03 \, L \, 44^{\circ}}{0.700^{2} - 0.7252^{\circ}} \right|$$

$$= \left| \frac{0.016 \, L \, 9^{\circ}}{0.000} \right|$$

$$R_1 = 0.2$$

$$\frac{d.}{5_{1,Max}} = \frac{|5_{1,1}|}{|5_{1,2}|} (|4 - \sqrt{h^{2}-1}|) \\
= \frac{2.02}{0.000} (1.30 - \sqrt{1.50^{2}-1}) \\
= 108,05$$