1W @ 50Ω ⇒ $\frac{U^2}{50\Omega} = 1W \Rightarrow U = \sqrt{50}\,V$

$P_{be} = 100W$

Σ im $P_{R_1} = \frac{U^2}{61{,}1\Omega} \approx \frac{50}{61{,}1} = 0{,}82W$

ben $P_{R_1} = 82W$

ben $P_{R_1} = \frac{(10U)^2}{61{,}1\Omega} = 82W$

$P_{R_2} = 16{,}36W$

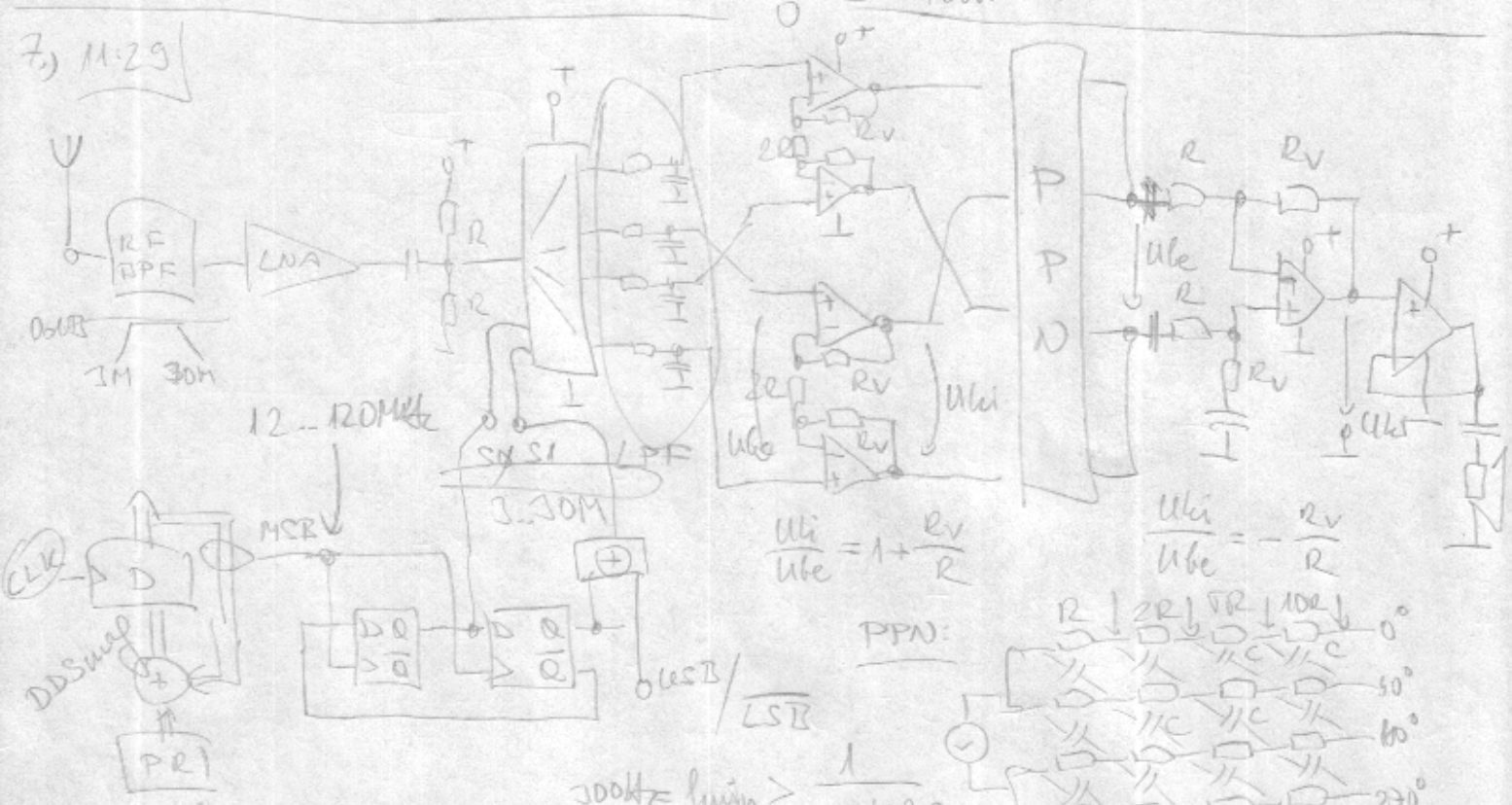
$P_{R_2} = \frac{(10U-U)^2}{247{,}5\Omega} = 16{,}36W$

Σ im $P_{R_1} = 0{,}82W$

$P_{Ki} = 1W$

Σ 100W

7.) 11:29



PPN:

300Hz $f_{min} > \frac{1}{2\pi 10RC}$

3kHz $f_{max} < \frac{1}{2\pi RC}$

8.) 11:28