Aratari ca numarul a=3+3 la puterea 2 + 3 la puterea 3 +3 la puterea 4 + .... + 3 la puterea 2013 este divizibil cu 13

$$a=3+3^{2}+3^{3}+3^{4}+…+3^{2013}$$

$$a=3\left(1+3+9\right)+3^{4}\left(1+3+9\right)+…..+3^{2011}\left(1+3+9\right)=13\left(3+3^{4}+3^{7}+…+3^{2011}\right)\vdots 13$$

Prof De Mate

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