

fron theory

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frons

A *fron* is a collection of *erbs*. Each pair of erbs is either *not*, *nit* or *nat*. We are interested in painting the erbs in a fron respectfully. That means painting each erb with two colors so that nit erbs do not get the exact same colors and nat erbs share no colors at all. A collection E of erbs in a fron F is *notted*, *nitted* or *natted* just in case every pair of erbs in E are not, nit, or nat, respectively. The *notnumber*, *nitnumber* and *natnumber* of F are, respectively, the number of erbs in the largest notted collection of erbs in F , the largest nitted collection of erbs in F , and the largest natted collection of erbs in F .