**Recuperação Paralela para a 2ª série**

**Questão 1**

Uma solução contendo https://lh3.googleusercontent.com/oQhUP5bdKHxEFI5xeLGkhBxVyh704QYgBLzKgpIX71JLMkBpl8TuoyxowD6TUsrwifKVV7mQkJ12kR0PnmsK1_4xLdE1r-z4bYoyHChSHxK4A6kRMu0BLxcmjOzElEVXS7G7oMxMFQZoo-AdXDQbjsDmpnmmx-jVTVjpcJMZMK8SFkdWtJC5j5Qrtw de https://lh6.googleusercontent.com/-M5gi_DYRkZchwg0G76UchrNnZfmzYb1YxWxq_agEpmDRzAPCvdgeBWYNvLtaWDuQTvg8hz-hfW-MrH5TifNgOjUqOTo0533rF-4Z1FlYWhFmA-2GG6x_j0wIYqTINdk1gjFui03g84RxUlse7J8_UDQC15i6ax4al7LA6f1zFvHsLEW8F4kvxcvWA de concentração https://lh3.googleusercontent.com/IbSjs4uEy3etXUlhmLjUUZGJ-ToCEj_CKt0K7BfEE4drl0V8bmSkuA5aYGeXM0CGKlbgv0Pf_6v94QxkI598CcTZ36xgBw_S1BUPNKjJWncY1_9cvYu2ShhqZMus_pzcLDdQLrj-q7eHcDeQKnwaih4LUXzyv-uQstV4dPvmszxgilGOVEwKFuKMpA é diluída com água suficiente para atingir o volume de https://lh4.googleusercontent.com/KB1KJyCGaBJQgkQsxGhJU0M3w49_nNNTaBx_ANX1nL2rwJKDmmnKiLLRs-4yfzvsBHXfrKU4_rPW5nNVrTbxorSCU61kfFZn_eE_kw_xPwA3oS4ZO9MTiCNBlJsFg9Y4YiKZm0A3Xayr3PetJ6nfWpLNR9HPGmE1OcGQwghoj9F-deDafuwCz5svhA. A concentração desta nova solução é

1. https://lh6.googleusercontent.com/b7NEO0RTOHQX0L098zT7DOQiWYt9QKa1-358wjV5AsD4LECHYHcf9VviXzMI5el5qywgPjRl8atWKHC5qu-yhS0XMbSXQ8w2oDsdD33iLOY0i_d8oLIzcdCiMSCDuwa7s5iN3qlyyeNTuZSMODKBirMS839uCPaa36ngPIB2PfCcw1O8wXSRLmO2jg
2. https://lh3.googleusercontent.com/liHK36b4i1wwZBBG-RazIg_Ge8TJ3KqNEwWewpM5bdeB7Hjo_XIVDeM-qjYZMlTU3bdxSkA8q12I_Uju-evyF7ntL7Ots-7MOadQqDfKFZKnC6V2DmfqXaT7x9ta4fALmk9uv3Cuh9moIKrZzHE5SrcrjdtUjTxXy4JBBlIIs684pWgwaQWjnsfqFQ
3. https://lh3.googleusercontent.com/-xOeOW10-I6305BKWutw_hLiW-2o8X74F-jkA4WK7jJGkUFEWttPuVSAR1IsLv8bvjCSwkYW2ve9_NPHa3HXcj0eblyY09uF4SrOQqw7ELAEs_uLmAEpXhMIUjX5xXZGPoLuIbGXL_tBWqBKypMMvkTl_RA0L-j3SWw2LrLRsb_rf4lpKYcXbstc6Q
4. https://lh5.googleusercontent.com/J_aDvnsdI_c8U4-YFNYCBqESNUhyAXrHiQdMVqQWNmibD5AxKZhaJPY5YLN57pL0jfJy0OrP8sWwxyqKyEXMW4GIoVgLH6UXx7_3j5lbmpnxEYS-k1AFIfRI2_V9bxkSSGQ5-lLKayxHrATPqwWEIP5uITuRDCZ-CR08_WQvc1mScUIj1B-SBS-mCg
5. https://lh3.googleusercontent.com/LxfjBpjhoCXaEy6RyjDP2IXuCh67VWNn81hGGqQkBn5tc3K1xEeuj0FlFlcvHOM-v_EzFSz1fRJMqxf6LkZHPFQrEmGP-iUEl2cQkhY3jsHu7RodCsgTl7X0EX2BnVWOkl812m8WvM1IFcLVPp8D0NZ5YBom2fZpq530SqDO4ygC8qYE7B-XJQKyWw.

**Questão 2**

As soluções aquosas de produtos químicos são vendidas, em geral, em concentrações elevadas. Ao chegarem aos laboratórios ou às indústrias químicas, porém, essas soluções são (quase sempre) diluídas antes de serem empregadas. Esse procedimento evita o peso e o custo do transporte da água, além de permitir que o próprio consumidor controle a concentração em que o produto químico (soluto) será utilizado. Dessa forma, dispondo-se de https://lh5.googleusercontent.com/zjnO5RKv8TDJIP3euXv5WKXFsH06QJYYcupCTRVQSjHM5PezQ1wHy2HQNuSmu1Ix020TrOXUPM6vc3IpsP8iGxyRmYrkXC0HTEDLXvkQ84GdKOLdR6hzKGFkjJkS71Z_yguhP5ONNcWncD7Qf8DtRBA010iLBa5gt8y_ng7pHqsZtgWtXriYIJMRlg de solução aquosa de https://lh3.googleusercontent.com/ChYSEIdW3AMw6VknSKjdmg4qDSW_Xfahp2fQCiJdIW4KQ5R0bYzO7Oha8M7SIw2b18JaaTP6x-WUI1i9tmm257rnCiYskSX66slOyzeqj4LYWO3YCaj0kwbDeKGM1lOARZFaZzoyKh6ql5lMoLcDnJqbWiV-Bq-OnbLCasC7ICzDBeRBzZ8LW34ipA de concentração https://lh4.googleusercontent.com/JSQrrQszOCE14M5eBac2t768XF2NY-wd0scQzOUQH9kjVDBrcx6qub2yl_Mw3LEdpd5zwZ0ZuTJgQi014IPjLfwJM1c0D7YIaZJdpX-DF1t6xmJzvXOG_yEQK5w4VZp5ivDCQ0gMnp7_WOZHlgxJ0ZzNqNltHJIcjmVNbm8CKFs7dCBva99GUMTyuQ, que volume de água destilada deve ser adicionado a essa solução para que sua concentração fique igual a https://lh5.googleusercontent.com/uXv_QNZsohTaaXWb7AOlLhps6_NOHcvPSNxajAxK_cMl2A8d5694DTweUwnc6ax8SLJCE8xXKq0dh1z-fQrXUDfcSgYQ1eOJ8BIgHV9STmvp8Q4cA2CqoCOoTczrC04sGY4WTtb3lxRGjWEGO_ed29X2-citYazfSm7lUZKUP3haErhve9NFp_32Sg?

**Questão 3**

Misturam-se https://lh4.googleusercontent.com/fsNHtSlhYdqBWjoYGRP65Imww0Y52GjcZqbn07u4bO5P00GOUuJdQhI73P-tjzz71W373Vw3DPy686Tp2c_-raCwzgTIzIrVM3d4tNoCT0yht0CCjhy7i6LtmJP3oFuXEp2U2ZcnanRVFcgALcTWSHJsoaHD3HxBir8-aPusStdbSfY7dBmNZhtBBw de solução de hidróxido de potássio, de concentração https://lh5.googleusercontent.com/aV5JYrDQTR29lBlYZHjn2xM5ltZOsx1eVvt9efpt_ixkFEOTqOUK2nykFk48Rtf15hgX_jCsuh72gZHKGs31apz1zYugZiJLBboKUKpmXAaf3ecclB-ZpLJrZ-6yJGV3ZJsFpTeBR41Iiho1Wt0vZV7IZ8ykppaF6N2S-ey3x8ugaNopvX-4ScHH6Q com https://lh6.googleusercontent.com/zdN5t6tS73HT6Cj0BHcncdw-l2ernUDelXKiLRc_G6e7HwXEDfNXK1O49wOEh7ajCT-TdTBbPkDGTtpNgv68jacpWKS0KBJLoxw-MBLP4GmZan1GSbLIyf1H6wo3W3uclT4zTjWxo_09dXQ3V_2j1KzNcKawdrwNwDFbnEpwl_1B9wwBWLOlepisQw de solução dessa mesma base, com concentração https://lh6.googleusercontent.com/C3RbAmef8budJVjVvvKopH2TCV4b3atXGc0cNPMALuOTuXWz4zgOfAT8xxdWV3DzZKBuruBSt6yzqiZ9hvotvIZcCB_Sar0Ge-v37ebcQBdU6cSxEZue4M1KWctQVFSUkVBSdyTGztpNkGTNA_l1gskWCHThQ5tsxNl0QvRZ8pylvkCd3LXlPTt-WgA concentração final, em g/L, é

1. https://lh5.googleusercontent.com/3H6HceTtrK3TdhyHD8eD64I_P_pXBFSCM98_nE8zhzKrE5g1SfOvozGLNxHarCGL1lR1Tk2imDs2pUdrrOL0hkrLKdq-oTMXccU6mok-AJ_SMmzz-YtRnSupv0VVuyp63-TTQIHqUmW-n6TNWaOV1IjIiUavIJDbci_I9X1_q1gtKlQDFR_s05xuOA
2. https://lh6.googleusercontent.com/8H4Ki3C8YLnUEJXDOF8s_fndot0RFwijK7pGFSSeGk0L8iRKOwqUJrAdCM0exRwCRdvnRJtaB4SuP8OpbZrmSAiM4S6ELkRPTMPHFwxUFbdD9DicMvf5UVDNXvlropUuTTA54_bL8GkCjRAE1tKVw5NpoA1DDs7vgcl59pray8RImWbZkoPzGTJtJw
3. https://lh5.googleusercontent.com/r1nEyflsMeBUxzuxbBp_2MW6rSx4zcYsajRk_5iCZW46PNnUXdmjqVm0tQu-SAwOVBqbCiKlyR-4sMSDyqVXMOwXxM-sXMvXtqlzyVxdyF_FpzfdMu_xlPi2UfyMm1iFMQvMSeiAlHkEqbp_UmhojxJK5NBWcOUEc5ja6O0aItlsL65hQlqpehNEtg
4. https://lh4.googleusercontent.com/26hBPNabF_YH0vGHnjluZQGCdE-Ov_HmSPgcXeYZJfrYqOeBg4eVGzE7HDCfMaa3q19fATekUTF7GBxqoYYKCwNQsZHdIqJGYuSGrY22jYVUztLZvFiNUn_oRT22c_XC4U8_uOSLKFVBYHNhUJu0ZK_I4dYehCqvg96MKuCSW4brsTcsfDbRPAejcA
5. https://lh4.googleusercontent.com/krEImpRwN-XawW5kCgMe4q4NowGS47KTENvaqoqWuw39XhRV75c5APQo32ChABje2S97JadiUfBkAHivHXs_ZprqsO5RNI2qnyPzTjmtmn9xlnR-Im5OwZBcCT6yqR8-YKeGbmP_v1lWhWaUzL1P0kCFZ1hqPxCNVC4yZhjCHHZsV5V3-jJAib0t0Q

**Questão 4**

Qual será a concentração, em https://lh6.googleusercontent.com/2ZkzQgTNjfDxklmUOX8m3-Cbqajh8h5TqR1TAEpPIsSQFaodG7fcp2Yxk61JN__uBF2lE3OF2xRxuxX4xUmfjxDna1AijT_eMe1hmxDvpudyrFw0DmBJUg6LsUJOalbKFvoBshizZN2xZBGHfIh4eaGp6vRS0WErGL_pCuFtAqlNsFt93SlhRxEGsw de uma solução salina preparada a partir da mistura de https://lh5.googleusercontent.com/gAp8hiJFeB0g0sZiVIOqtIEJvlHC47M8grB_cue7DtsdcoeWFojjkzlH4XOKTbzrIaHdIRP5GyzKrcZOyEV2rL6Gc0Hj8iKw1REXgX8Kg5eJ-eNxOi73BppaclJd4gbFxaV9scOFh9EFVhuYjq5ZOAHOsG0CHAn1XUgQ3uK-eccBxdEc4H1sh4VRNA de uma solução de concentração https://lh5.googleusercontent.com/hsN6QJYCfUiVOZsmyxKqxzq6Gf4YhM9aXTL0sjHS9QZBjULWurZVeWmvp_JDv1V57ZCs8-V1W4ZcWjTbEC2PVzRWMBF15B4JM5huz6zxkgBhdCG3fGQjdrdoWHCDwjEGvByZf57eV8m0zXiTuzEnAdZLqYmNi9l7eC1YQ6B7OEric9DgVUJ-r2RUaw com https://lh5.googleusercontent.com/gAp8hiJFeB0g0sZiVIOqtIEJvlHC47M8grB_cue7DtsdcoeWFojjkzlH4XOKTbzrIaHdIRP5GyzKrcZOyEV2rL6Gc0Hj8iKw1REXgX8Kg5eJ-eNxOi73BppaclJd4gbFxaV9scOFh9EFVhuYjq5ZOAHOsG0CHAn1XUgQ3uK-eccBxdEc4H1sh4VRNAde outra com concentração https://lh4.googleusercontent.com/f_QLjlfuJ0Yo03hfbRtiGX3WT7Jbw5r3sCGdef_PqaH7rBuWtW5O5vRi9-j4p4HJJEeIdTAhcA-dhUrVHUTbHW3pCIl_f38XeD6HfkfKw9iACY5EBhIsuAZAYDdcq9oNNPMnP7NtPK7DAyWD35ih9KctyW6RBdp4fqP4YPgDG2TxL8lISe_AgSxCBAambas de https://lh3.googleusercontent.com/ZpEyKL9nFxGLFrKooF6NB40N6pkrm_H-1PNNbaynl3-yt7jtGtN8pJ0HjPOWwf793dSjGsa7CnQdC-xv4b1n7FJcogT0z3Gp76u0seBkEp0iTMA1Z-EZM53OnnPp8qpAFEzmdtWNYpzgzDFPAmqAaJ1AWktMDyvSBBGsb34f28JxZiaZPpX24RxHtg

**Dados:** massas molares: https://lh6.googleusercontent.com/SwyttEQb6kw3OmsliWlEL4pnl3zb8SRvoGy5jIi1qwW-QETPGq5Ho0t2g90ssMPi6vick3Kf5kv4_7qSUEM3gKCSODaZAEYuQMO6D1D9s2ihtsghvn-nNSLjhAQ6T7mzSojo2uYIPMzzxAVgk3OzLcb2HGAxXb-3Z2xVBgOZd6SctaMohW3VxMfMxg; https://lh4.googleusercontent.com/EF3b5vNeZNjG8qm_pvKg4IXDfUVYnI-oVlGynYCdoJ8-UOEgq8PhWk0DEZycGi441HPPh5qBR69O57AqXFUh249OF0LUpaJYBCM3DyYXG2DyRSIjeCSblkwj9ZuHWEzWigam533FCJhYUQnIJJiB2j0zciiCMFeDSR2dzQcgOxN5rKuBBlCPaf6Sog

1. https://lh4.googleusercontent.com/JkrnVp_mxgc8L8wKnOW3BGnJsRD9OzD1-cc41skeJ3e6CEW-um-mlTTktMbDMAO4b0SndFOsDAWMmTvrhi8BXDQhBTqOMOjEv_Bx8pHPbTf5Lk0o-Aozil8SDPb_U7NUOgiuy4xZMoygGe72cHlSrOSdw3cYUxpRNzWCAsNpZkP3pXTpF3eISx8AiQ
2. https://lh4.googleusercontent.com/AeLtwNC8yOTMJ0iFAo5020TvkQh-iIyrjk_atpHJWPmdv2Eyf9WSLh2iR7SLWPX4OXB4obDiUB242E477tmnrBV2AFEal1x3wp8BiJbbdGZuFn87GHIRlUhf7yVDE0oMhuoFj5mwZZsFifxbooiRjESnocB5TEkhpNx42nSM3Y-LG_UIwdxOcz7CRA
3. https://lh3.googleusercontent.com/sqV8RH6zcVi7H5h797uEsTqGK3CLaIe9Cr2-DfLSauSN7Z4Ac1SMwPVoIcMl59Y2crCZtk2cYcIBDg1uOkWgLY2_ZSrke-biBSf2okYM3DXfYuBN7mr-FONlGa-6GnZHZ3QS1mnqsE-EYNboktWxz0zLwrK6_S1oMg9GWAyAZY7yu3WNuxB28sDWAQ
4. https://lh6.googleusercontent.com/6oKlk8ipWMgdtzB5i2M1kSO8jVJV4PoizYy15sMLjAqtKZq1GrsFgPiugf_b0cOQtuKsmcyAS-7piCc-aFX1JW6KFsdVAjNQuw3crAEK4Vp9cgX9AplI9EFafk4Ws8CQuFONapIEqJvcBk_AmYqbHLTRr9wmiecrSlV07P32a6Z3QFV7oChXYhpUPg
5. https://lh5.googleusercontent.com/PNFRWmHSQds4-WrC31OgJ_2dWpGBVBWWfKXatyMzi4vDP3ivBzWIZlgVtJL_nP4LX_xYD4jihO1WHX7cn1vitQe4qILhJ8luYnaVelCT4MaSdIqYceKtfT6CUHi9IF-5f6L_fCoPxE2PxJD9cYpTRL19pLMGUHzuhvRGF_0CasTrt3eS-mMyV9dStg

**Questão 5**

Considere a mistura de https://lh4.googleusercontent.com/GtZfXPCzwsOqwAhiUZc02BeKn3KfLF4pjWjdCDQ0UgFufeOAJ5_reB2Mrzlsyf_Q1Jle_yCW2QWyrE33If1N2cu7SX8SzPy8cGq_wceY9P9OwB4Qtx8hQCvBCVz3K4T7b1xFQnonAEJ98E7g67_SuBOdcERncW2Lfc_3O7PLcWJdeNdxuvcVSRlh_w de uma solução aquosa de concentração https://lh6.googleusercontent.com/iq_uRf7OJWZUr1CL_A-ybC4Vl94BbuDnN54q6GE47xFfDSceelf3LmdX1zeODCrcgAd5WfNegDWPBUiymSRznjh6pJ_ifq1Mxw5wTqtFdhVeVXC1ipJRcFgCqkuLEAIthYCZ-XLQ9m6U2FfEHIi_wUs5OQIfUy-a6dlDoeODBCnoL0c2WpSB4nedBQ de  https://lh4.googleusercontent.com/yLA821lIyT8S3hZ-Z4bhKIeSwctiQSXZ2BFGyaB7RhOGRRtnd2vOZ0-lpQx1tZR5GPk32Ow0yh6SXbIUiv0-9Tbjzocj2fzDOova7_7JfJ0TNkPpeHfPt4Ld5IEaVNaytHuqNAG0mf921lnz_cHDYCiv5dqh11cFs9yj2hRZTShNj8LOUsmom0GfPw com https://lh5.googleusercontent.com/PRsXvE4IAsKgLsRL4Z2cjIWp-fg8a8mQTUA2rxAYICocNEYEPXOjDc94E_VpyacXAl7wRDhzrMj9ULEwclF1K-zAvnvmkoDbggkWX0Ywlm2rM2pJzPocn6LrqZ6k8nC36zEVKkyCwWbTEy1AfviA9EszoTSgGFBvrnCCHCDlO4-xU4Rh0Ihv0s8ZxQ de uma solução aquosa de concentração https://lh4.googleusercontent.com/lk0Tt8efYtlcc6lhHDqyCO9SW05Y1Jj4ueTMv5DE--_jRkzt2cF3tLa8EbCKBlgU9gEBZHnqNc85I07nvXS1NuG_zjM3fXFs3l7DIIiBqMDJj2oTTq9lFXKPJvfdKx_-E3W6AfkGdXo7zybccgey3wx2nPA2hCQwXOp26xP3L0Ndko7QT_gSz6UcLQ de https://lh6.googleusercontent.com/nQcCmKeFMuOS0yTuVMRMdphW6MrpDvWgTDMGnEMGk0rc7om6IPZ-injkqIK7grG8T10d7FuUws-LkFQvg8TbiW-lJGN9KzVWGxdzUqxUBysjoaz4LJjKVSFUF57KYccwBhj--UDSriHaSgKgJMC9A9wzDP8DfxLIwpnEUvmEySFP9gnRQXa8TCeduQ Considere, ainda, que não houve variação de volume na preparação da mistura. Qual a concentração dos íons https://lh4.googleusercontent.com/YVj8jDu1FrxFe-3jTaREtnKxO9ffGsZGvZlN9SqAuWQ0abGAAGONOX5JAfY4a7OGkFomI-FMDUTLwUtNXHAjuhrm3JbDE4zAm4rVPMlXWiUnltKpYcrLot42AuzTpMQBAfRLDecvIl8kLsP5xFWpczfuX3ggQMkYJaafKEtGrNuxhagTRliNDbmo2Q https://lh5.googleusercontent.com/MumTaMYfPoWPnaxs79kIcNhcFWC6hvWsuuZSgxJ2i1xbGB5sgSU6sTT8hi2MOMqABACMVq3szHnG0iEZftlIiOlu-U3K3LZMiE3kCJq25u_j2YrlKz0W_GH8RCywfrr7087vWZQCwSYeY87AeqsJ-L4r0IzwJ_4-oGWst9ITwlcFm-m_9lMUwAFg_w e https://lh4.googleusercontent.com/iZTe6zYxOX_bQGUIzqi8rKh-U8K2t1i-S_fxPvcZBIpnPVEymDvA9QZOSvq8X73wtWg1H5Y0jEn_MYnogQtwqqHy6FEUTh_sdORxjW3uzJ8vBluQts0mAh5v_shoLtvkCJMJm076iVcrpGr0b2xREsIiZPD4mbhCvgM8WiLgKh8pNx2BFCR0WxGKSA na solução final?

1. https://lh3.googleusercontent.com/bmHeTHLBk7uCtrmtRsDXvtzuH5dgY45abBORRXCwOiNw7tlbskHcSbrHrKNj9eBi8F__HkLcfPcSSMeKRng6NQiXUReGTHLIU-96gQBLi9m3K1aSnYn8pUYDZmb2LpSPPz85pqi10SZgE5VnV7qlSEDx2R6OsbayAvLmLHK9RO2C1_5LSzzZcigxdw, https://lh3.googleusercontent.com/i8IVeXR9dICE4_QFdAt8zhNKn4sXvpILBulSqr4HvcVAsISNBubGTyDSRqgKk3DlCazgxFOleegLudLZYUyzaMv9j56FQlUqAq0M_GVY_Va-w8P6TpFb3vut20XTF3Wufn8Q-IKs_BdFjvsIQ_Y9WUJr81Ku-jWKNOW3jdnyyJzCu9SCtfuKn51vNw e https://lh3.googleusercontent.com/adMNozc1cUrstlaZHRmq-85C910BfYsvwU4cUNdBS-9PBvTmYh75exzhqbBAw7uWxNu0abW8IbJEeiahzxBOzp0nlVFNUTAmr8_T0sozApUkrmimO-Zz9gIjYJ4KyvF0e1WJpc-1sM9U4tEzXk3xwXx8KMqUKLgIr-Q-tiymJ9YV5a4RasqGWQ5L7g
2. https://lh3.googleusercontent.com/LQdvJkAE2DaiBCopjrmZ4rF5BF6brWtfeNW4660ZvUqhH2EoJNFT7Bmawt4jPZRkEu0tgTdkLaj0LgcD6Sdsr4VEy194ErhsGZnYg97AXvnDIhTu4BXvUr14WPwUTsld6Lp1zvkDxNglAhDO69eGM2rSuE_6yfGmpLeQXb2wQEzsyhxe45qDBGFY4A, https://lh5.googleusercontent.com/sO_jc8hTeNbagzZq5LjfHikwWPGM7cbeF9AItxAjCyNaCa-JfrP5MKx3prYft7UTqRJPJd_zKZ1Wo7AVQp1268S-CChg35q1sxZ4EN2RyPAiVbEmIwV2ZLUbU3wePRKLXXcvN8nOEmVqXK6fKFJMg3d3jTetNcjMzJ3BEPtdkdlDTc4bwoO50wz9xQ e https://lh3.googleusercontent.com/GRNd09jXPmuL_gXUF1eyHu4fknZfy5LRZ_CJZE0vteavIJM-XHVW9AncbLv9-n6ptTLSAPOxJLTbqjKrHSD_xsQyfRPEN5KpaOfDVKE1nOb-VtLKNOIPE1iDiT6KS8wdh9LDm8EbZft24OTSgoSbK2yw9O0SU0Q6isRF93uFpQJ0TsrGHXyLqSkuUw
3. https://lh4.googleusercontent.com/jlQaB7NOjAO3HCqrrJqCr56Rar4xjeC9LofRUcfpMClrMud8HwedqaQ4RMQ-PLBDu-jNjrZIfosuWSIc-vA42oHh2xG1yETYVkz5UJUETCY5ygttRYmkHgw2EIen4lZRpo8Qqug83VaF7Uenyyej1BAUEoj8qlIDkL4blv7RpBqDip40xjztTO5Trw, https://lh4.googleusercontent.com/Fz30AHm0PapdjCpk18q6wEoOOp15F35dPFKG8JTKS8pIIn_CDdJI5aikqNKaQPDhpBDzhAzLEeCIP6w89RO-EAjUMh0QvCe6vBiBIWJVkDklqGRtHfyra3qsUMqKg4OYQlNv75ahhOgd4igWSAJLwn0nf5v6i5V-gsaJRZxjH18RWsKUhsotrdtd2A e https://lh5.googleusercontent.com/icB5Fd1bn3UApPyTBalR4TuyDlCoh1fWebLEC5Tbgk-s5g0_fl6AB3rKlbWIZEjaESNK1wKV4K96_Dgm-ozUkur4O_HMj55F9nwpTwhPhHAQTcZr-FZxHhbFH4egF3DYL01mYK0wCSo-uefQGLsU8FjwiSBtbYDFBvrMDwHpKFbj-nQe4M2V1l4qyw
4. https://lh4.googleusercontent.com/aXZ_xTuBmbMq82w4lUsJvMNHHLsw8CzihqLgSMpDDtiDH-mQo9mnjFEwu8wPXcnw2H9_npvo8UKaqoAM65xMnFTHgfIUblOTUf3VU7M6p_9CaeJ4U8SFV2J5uzdPsMadXHaR9YOEas17AQgSqb04DOyNdZYUoGbKabiMXGoCPNHpeO4CzW4oP38BqQ, https://lh4.googleusercontent.com/lZ7pi73oBT8QoHzB1b0TElb4WWxopoDXD3Lr7fGneSnWc-55PTmLePPLAaVNz6MKia8A1hQQIyGOZ6qKM3MrTnM6J_YNt2IbnZMIy8yCGagRyPW7M7JmOphBc7RgyZbhFOzSTr-xLfUpn28Fj1zYUgBQ-_qnqDCczpKX2LlIAM39b3tL8Kz8zu1hlA e https://lh5.googleusercontent.com/zelM037PzFCUWO7bL-arYjDSicHbYh1zOXr4xD38zNd7petDdRhu635IwP2EE6t7gKdfZSAg-5xk4NX9UPs7u9LLroKNsLfu16dUrJzr2afnNI-mtAgedWXKHFeQYjy_z1QMA-ins_kBa72k5W575QC5T8GRYAfbMDqJlx8GQOxRkYGDLu_OhffO5Q
5. https://lh4.googleusercontent.com/QKdodUssMV2j0KACDWbvFTGAS-w0wYhHOoAaMKv-UJeblf-9lEnIEIEzbJU_OxnSeLpak5GIL3T9jHlMMbh3EpOtQ0-xjwuq_DijXn3HNDHeo8oQI3Tiatflo8ynneaj4PgRmFveWHyOHeDvnA8vaVL1OsIpecDBUXZUtK7CRduAxVfcDXnt0bwh2Q, https://lh6.googleusercontent.com/zUnIr8cz3tzN-F_JWJYzXPxD36UQOKD9xju0e3oReotAv0oTpeDoOtb5fhoYNJRVQCNcdi30B4a1GLOmIW_dxNj8oOEI-nQX6fbKui158dTVBV4xYH7UX0xZXaHTI0odHf1Ls2CXfXCfSAYRzPKiDsVppjuo3Y4Vbt1fRFe2DDDbbOuQsJXiya_ITw e https://lh3.googleusercontent.com/X6pXaV9-nGfpI-i0-m7k40DUV2ILo14wVJslG_KHJ9pCY9olINvOpXbJ7BAw253q84PF9ua-UfkB9yUlqtZavCrjodZvslLZSjkTNb_rivYcOA6orGRt7B7HidNkCp5w5L1azJzqmXpLHXkOrq3xBZzySJGb_k_Nad0Wt8fNy_VHliw33xHoLUuWlA

**Questão 6**

Considere a mistura de https://lh3.googleusercontent.com/g-S04yCHqpsBTDS7ECW8C9mg3Lmq9ZK-4kZHRGcJgF_OBuhxkUftX4uQOyIngfWZqr0dA9uQUgKAVc5_FGScHV3PXOkQhNRJ5hHDr4Y3_O9BDVC1vOETfCnFrnMMDnHuTSxf38L4LuDIVzCfvVwkL8bJLEY2LVIkAu8xjKdT7ld1xu8GUVidcEadEA de uma solução aquosa de concentração https://lh6.googleusercontent.com/XO9MYf7trSimbULF3XsdFIZ08GJCDFLE37plaK-bPi2XJ8J78KqbfXG8BezZZ5liNnLMg_hMvW3BG2iH5BI3LdB7F6x1pvG3JCP6I--RN6BFcse4HltHJ--TLRo1tNW_Cj2aob6wP7s6zM8TvSXh84ZnKlpcsCZ-eehchqLo5AYX_F09TsF77Zjt7g de cloreto de potássio  https://lh3.googleusercontent.com/DpDek_C-wR60fWZ_4DgqLEqPXLQzdXJIDqu9abAoBALQhxO8UEHdDADEKNSR1xu8SXC0BleNmeIMPyPjxWwm97wFObLeqmopaFS2ofIGDKyj1vjIbuNx1c7HoZkG4JUKhSjnN1370Gb3_BFuM_lqE9ylojgUOPy3ferjEWdTJfDZnyD_5pz-1P0jsQ com https://lh4.googleusercontent.com/YiahMP8-nGOnIxm5p3fEaNxTLvkbbgvxjlPzIXI1jgbQ0dhVzsScCAcQ6pCIxoafNr-AHQvbEDxZvenPRI0KbwKUlqyNapM_aQPXGwY4I_AEwiuZqkyomOQFL3wY0VtxyevXp2QoL4lFuLCj53Me0prShnCmPNBUtxKUvvupVjvFynXBuLu5gJcG2w de uma solução aquosa de https://lh6.googleusercontent.com/t8ve9KbkHzjp1THs8KiqBeja6SxEeY7r4BDZgrXFmYH7DND0GfoUvBNSCod0vJozP_xEDUmlJh4PKxA5huEgGFeC1vZvGn-7ouQAauUfT3czVcBL8ZCNIxyW5IWpiUW6WTEK5Ysh2az4sca2g1_w49cWk6CIaht9_ZO0mswKKS_VYCzakJL-NIBEaA de sulfato de potássio  https://lh3.googleusercontent.com/tkHzI2HxWMFs8JzBH5if02kebROETGGn-xxpkyYxddvLUSpn4fLxXOBCjtrlUUV9r-TS86GffsvRQlOcIqUVVc-VVvfsdLH0drfa5uvyUV0hwOwk2BcV5d4uwt7B4rmFU6XCxR8SOgT9EkIhikfgCNSl12gCbVxIoKdNMkub2jUPQue6Xsav72UmmwAdmitindo ainda que não houve variação de volume na preparação da mistura, determine a concentração dos íons https://lh4.googleusercontent.com/1gnfD9I51tdjhsikuYxuF8frkqiEwDkR9SNNBlL9iwkGljbnl5XA-Debh96RDnFuwwJJmgrQGZRNtTzxrTa7b7xru4qamnVzMcz0lG8cr16-veEXS6q-MeuwyoCX8NEggFBra4AlA6DNqif2gEAaNMl9phUEGtqYegdn8bRJbvuGrWcu4MnPIrkFiA, https://lh3.googleusercontent.com/6mLRMX5ZEVWLyZXwOYYjplYfmp5idwnXeOGqUwLaZyYLe1XPX9hF_vSPGidm8iuVOW5MG6CD7lGaOuSa5F-gXvXtumzYlhV845xtBeMgNm_DxyT4WGo-OacpAZwhZuWGjKqO4nNrrSm6PhsuuKAkesQEg8ypS3O9m6nb9qWvraemrG8eY5QdWxMGUw e https://lh3.googleusercontent.com/KsTCef8C5ZySU3EbG68gyyv9Xcc6m_oVu4UIzhtW711npe-TQNQeS5WU-gH70CyM1mHzF89yuBWXUZMTJFlcH0HBqFgcTcY5EiPrL8ZJqCeYKB7hKtJhaao5CLQ0RhvvJ5Z6u0pJvCQsPgZmJAUP6VqgwL5IH6QFDHdzmDyiWwqtOoxhMl_LxI0jVw na solução final.

1. https://lh4.googleusercontent.com/uLdMKqNdYUtOtPpwDTXRC963VHQpmC48xGT1Bg2ydqGC0__fvjjQi1292lWpCJvgsbyBXwuvpjJPWvQ7rD6oRsbeTcM_yPpm2fkmNgl-AuBGuIwG9wfQe2kpvyyI_zxZoOuv2pLaLEIQTBxXpCdkWWJbE7HJ6rkbyEs501l6qamMtAwuriOcKE_YqA, https://lh6.googleusercontent.com/wHikfBC7mAVKZLm1kPlLO6tv4EqU2dRVyZ-PLLT_imee_NtmWWXhbK0p31SLgzUsQ7bvRzA0WksNxZHP-57rjp9MDJCxCHiji_AtOXZ4csQ9AleeAT46jzJjLp3fb1sqxhVzdnc-lkfUV7q46fuYktwX2d6wyPx6KdPOZDDWATACFuLUM8eMfqZD6w e https://lh4.googleusercontent.com/SLM_P35CVe5-WliLdANW2VfTpX-_KP8NIolhl0FKOW6bKynt6ewzZGs4MlC3zLOyNsqwUgzmUPLydx3HLzR8dxk37LiwnABrXbokY7zKZijhrrt6DAzdzrLFeisKuB-F0Gt0Oq7hipNuf2jb7-FVD_i1LQrWwrvOjaKyMgorbCQHaq11fV1UqoiP7A
2. https://lh5.googleusercontent.com/jUdFWbik7nYKt4Uty8c1KkgyirYmDzGJWJaVzJ6iacwHTPSZdns2kkb10jPjfRuimBbFsV5rGYHuxyn_7iKHKWiCUM9Mu38uqxlkOoaw-8bMcXQmU-bPy571Z_5QARhDwG_49P4KQzgO51Df8jdhG-W2YYmrEv048JdHbzWnufaCUd1pbFCK6FrKSg, https://lh5.googleusercontent.com/HDwyZfyePsCrm_9fO887YGI2N5zLwysTCor9B_QqotXP4ezDmkZwuxfQzymbJJpAeeIgXsv2Vmu5RlZPR2JTcTM71FuaZrQYBZVm5J0kZ0ToaaJ_lFpeDIZpgg4b0ReZmrHhtb0LANe4CrYgsgzlClMpK1h12aQWBWxpgDwRupFNBiKM6s-XAvW71Q e https://lh5.googleusercontent.com/i6KB1v23glaBi2CgfsQxblhfciZ4alvDJu9pIDewaIqcDtomyPz2Sl9Jp1ezYW7aR3z4OxOepx7bjDbAzVnSqnKydWrkUPjAmpWQ-0cow5JYxBi25oPrE1YibquUWP_H9ZaWoi-hFX_jkPlFi7ece1C2bVH2Qg5FOVBO4w6sdX9qTT1Kj3bW5WlztA
3. https://lh5.googleusercontent.com/YXcTVilr5EUnp_zgLYvBmmHajrXbnC2ldI1bq9zqajlj1APueC5Tu51UfFKzpHbQBeUe6hYoRaWAlbdDQ6W3eoH1PFBvtzhVEIZPxLS4NDB6YEXH7q5MnH31tfHbvF86chgiYdi_c5vB-t72FxA1akfN-r9otYeZzYw3k5WMMvLhEeNG51P7BVcgzg, https://lh6.googleusercontent.com/6S4JfOl4rTu2-jZx_z2xQZ9RhL2xDzJfoecEYMClmcH0Cii0wVMZdQ1HDj5xmFZOGL1zCsdsE4RLl04uwJIXlEp8akFScYsMJ1gXZBCDH8881NjBCPcR2e0hDN8PFwTWIhyfaWmUX2jNYlDUbRadlHbiSDPSA7Kl716zEUvDX3ztcKAaQHd6slKM3Q e https://lh3.googleusercontent.com/_dX2IQVCVf-gdCkyw11XC7mocVFSI5SmkfCsdojpZkvNFwqlgqoW_s7GtSy-ma0yeF43lafybgu7xbr5vKmgaeLZLC_YmNahypd7qgc2x4QpW8G0bzYNux9iUYsNsrUN3F0K1ZDiGld5AWK1QwIQc2oHNixj9aN91KcwfVETUSr43ahijJ8FwBZ6OA
4. https://lh5.googleusercontent.com/imITHPCMavpZbX7oKiO1v7wtKrKSoL-UwWg3neR1yT-3N2UHfB_yg9W3guh_zVUbGt_JkSUjPZlkN611Q3AR-CDo0K15XwQxMKHvIzdyCyDvas4h9iDTmf6oL5Z3MlKByIEnwgkdL4EjY8rlkIHYnvcg2T0iZDGhTwDOfmi2RH5obqZqbzz1tWVnrw,https://lh6.googleusercontent.com/tA4ztg7L9ed3ZNWGZYbS_Ecol6g0VSp1PbrJecTiXd3Zxyiy3i8SCp2gekM_kcw7fLiHJS3oCznRfKY14ItonoiHQACt2fXpWI3t41osAsvQ4zo7VX-U7Z224udh15SYzXJ25yj32ZPrekRDwu4TV3OKLBIdtP2D0_dgc8_lmFr6KUVf-G8XET7SWQ e https://lh4.googleusercontent.com/MD6FioHifSKFCmQgBDA8H5pn4AAPHhUvKTYfcZHnMM7z4hXjEmvjTFUESADVuRApAFtvY612PF8M8m7dnk7OmRjSj9SpYwIE2Z0uscyLYCv3qA0VWPxgNBYNARrit52TkI-TSX6Zs4ndEFS24nj-KB-TH9r5Wem7QI8N3cXjT34yCVSG64_-_ks40g
5. https://lh4.googleusercontent.com/dXQD1Hx6PgC5qviooHVep5PeVYWpBPhRmE3dotQzKNrxF2RT30InuUL_VdpueFtklLga679BhLpRpR5P2bDOki0pXWoN-0hz0rU18Gh2k2nZQkppuQlLZbB6bxLPFHbD343IXNRzKYz_tHxedM7JGTUt6vn7mexB8sowJPEGwY7ft2Fmo28MMB0cZA, https://lh6.googleusercontent.com/7Z5RXoJTI4-J92vaTN4lKdYWQr_hmI85OUSbtJf_tpKToXGNDOO0HJBDFjk_AtpaxWUpKMG_yQqjzve5LYsQ3HT6zWHZ8OWDvrLOHuc0RdpawTyieSCZxubyF31ylRAVp-FZB2E46AAWgYcan6QVNR7O3QbxGZc2vIfZGNsByijwYIZt22ips2i8Fw, e https://lh4.googleusercontent.com/g1NotzJpoPt0NFsvhpPxp6jnym7erFuSbD9zb-lvsYdIsLJkxby1rm6uFLd42sqa498gpdbN_rKHbyL19toqfmadP0rlDdDs0myVslIbHercnkKlhFjwZZ4OwXuBiFqT7dqY92hM5-FiMfOO_VhOMgSjk54HdLC6sIIIvWRe2pCXbl-Sb2wduICfsg

**Questão 7**

Colocam-se, em um béquer, https://lh6.googleusercontent.com/XVmCVdaXJ8JIilPSV17uLKt9v1JXD-b0RJYN2HiT5Lp6PLEklns1eeG94vVaGjW3d1-Pso-b5DcdQOz-LwAI7HrTdNXvamIRcpUzpuVeGZyR8fpeAzWhJOl8aHuiV9d-Ha6gw4XVBla_pN2zc8VEdT-zcO9mioTvHmZy6UaUXSowsvZDg7I4cC17Nw de solução de https://lh4.googleusercontent.com/IldQ0_fd0uUxxcNf-hsM77CvuWWPfsNqJEfU6KLH3wIAGSJtoEqqFIXh_655zyv0PX0piPSCXWmTA3HATJuljXXB7bx-7gehVkRKXg8K0PZNC8dvP6KtAQwfq-iaC2-sSAOn9nBV1HI1zlxWwWtcPosznv744VdnOrgcEGT2ZX9ugbO0nq_cVl94CA cuja concentração é https://lh6.googleusercontent.com/w_yw7dOF29UzUMbyXorKSsdqgLZdCWUIF2m05exU1Fqt8yVCghNen2L9bIHewePnnDR9tXC7NNNJroDfVWulb6TtKVF7EA0twjNH-DEKEhlsUd012G2rP16DMN5-ob2sQ6A6KhJ2kneLhao2aGVfusOQEICPHhtlKrcl_k8RXpuXqZ64Xb4Omt3YlwA essa solução, adiciona-se mais solução de https://lh4.googleusercontent.com/gOuB2CDrnktGgT185IraIhoTHBAWiFD6PXXgNthXhmfJUdtua3JNswy2ptKUWwTfZnR-eOTbHL4DacoPKhxOVnVGyX_UIqogfO9-y0me6ofgCfMg1exRvIshdmZWjjJTIryglHJbhfNGeM6HeOp-foi02Si8Xs8h7h0LQYYQV4-DbQ7ceqPt3bMT3Q de concentração https://lh4.googleusercontent.com/W48iw8gJ95viQUEt7GWmk1ykYo7o5HmjqH64f9gFee72prmfjtuhpoE8dM0iDIAiIpTKczw3ldFPomLn7jbdXTHw37fHVnNOUBosfIgK0tv3FLUbFRYilFU1-_vH1EJXAoq7q8LRTOTREtYGMhNi7ITzLd3olpFS7fXLljRTnLzP9UjJ-SAAMMiSxgaté completar https://lh5.googleusercontent.com/mWfMDxC_5tPXCGiCrvcVjiq55N23v3P2lKjWlpkEj5vRqBGRVOA6X25oP4qpznp9AXEiJG6mAQi2r6MQdo9Ac3XSXGtFB_PlL6GVkkpXeGAs8vsAa61rCvucC5gTxkMVx08EuoYOzHTDjczoTPLhFrk2tAEJqcJhxq94LqjCkDIiWx68dD02qF0VdQQual a concentração da mistura formada?

1. https://lh5.googleusercontent.com/6d01i08hCq9eWU_cE8ZvEmshC7AnI5lNQ6DwK354b2vyXfZfSzBuJMDU5uNek-rh53FxqnG_9NmVG4cOZB54DjaOCkTjWyFYD-ZmUiprzy1YvmKk1w3XKG3B0O9bsnwQr6tZSAUa8ec2I_JhPfRcna_GQ7fy-WCMubIlw8MkG9GAzyfF54sYUI4pXA
2. https://lh5.googleusercontent.com/Q-mK7pUHpD6qmgvUc2Qq8nE3op7qbPdVPyGxvbWo12XUiv9BhVgtT6SDVT9DWOqj52rbENKhP6lpYw6AfK7A0OmcoViRr7A4y9BkNtKGAejHi0u-Nh9tlnGrqnDezDc0e8IxYgVf2VF9IkT_V7IyYBDbctKa6jdQk90YUhLxsjgaNUdTWGNMYEE5Iw
3. https://lh3.googleusercontent.com/8ycXoSVX-hf4-UYsxz7XHDjRz8Mp4RSqR8EdDeDNxH7Hbp5ZJvNDlxsqXb6f8nE813DNr566dbE8pv4AO1_Q2cR3FWUbT4N_G3mYg9MDVXOX0oVLn1bDrjjkpNt_Lxd0rko2UBzSmX911jGg2lHxwse7fBx43zKIDTI8j9Zxyu_fkhNTHb87xnHD_w
4. https://lh5.googleusercontent.com/aV14y0SYtt9uh19o4ptFFuLc26m2He3Dj-ABwy0H78L10zhtxal4BKqBBSOzR0z4D9mnDF8FQowsT2BiNH1WCQ4GuAXuo8JObelRHaJMrYqbYHmhsMX1umzcOdLqb_7hEYv1sV9ZhaQrkhvBviMnsxirAhjuY-dS8TYR3CKRvDOkoW8DFnsHIUiipA
5. https://lh4.googleusercontent.com/f6iRIP794HxMAS8NLF2Lf-Gz1fxjJkIR2OiglbjI6kbp0ug1sxY0wiuL42aXFxzvV2BN-YYXPSlg84DSGTlVjBwGQ0-zU5F9nVqKut5FL43jKGunsjv22ipBRkZvk7vk5y5ZBlQm-iqKiWEMDhK3OUwtkNzv1h8rXlFfkjDoLCXnEAzESOEVIjQ-kg

**Questão 8**

Na titulação de https://lh4.googleusercontent.com/oUHuH6ZXhGbDK4nOrS78foQ5rH6vxIEi7mX5z_PAKJn4CMUFF5LDBvF0VjiHvliykEqZzZ9tRH5MgRWsn-qH5VDXWd-I91bWrmLvAAa9Ruh7NJMQvnzkRQBedepUd73NdBVSB-qaox5NVmk-jgcmdLO1fXTJXYfAK73V_pI3nTlOJtcHu3l9spYi7w de uma solução de soda cáustica (https://lh6.googleusercontent.com/jij2HzMzoiQ7SU97wIgab5Rw4cmeU5_mo3tbgu9YjakhaQSqYabJRPPrwCHfrSfoa0D8Gsb5G-rD8zP7qkRztYIVZKZhDokDwmh3rBP2d3IBhRKEQWQQ8kGfmIHgUNUVogTTHbO2naup5RxrJm004d7S5qffKxblKtO7vk5ctqyPsBDPemsfxNE3pA), de concentração https://lh3.googleusercontent.com/9ia_59p2cJla2vV62R1UogrfE-tYszFtwm06VjvPvRnvygODAJprn_P3ODXbPgqwJqNFcHV5iIfI8Y15Bn1bm09nXFYX1yW9aK-uvDpQzsAEoIF6ZtvWl9qM6aR7Q8WbvAwPuPRbhg96ecDkT27F3OMi9a5crUb_HPaEzxEBxNFpBTve9CdRQTfdvQ foi utilizada uma solução de ácido sulfúrico de concentração https://lh4.googleusercontent.com/RqdT78x36DDs5WpKm1QiVzueunE7jDEsBy_M4_KSX7blDjUVbTPb7wv0LeAGEzhF_YHa5C3P3zGgmXmbHzolnBsL8ZJP3-h-NbEH2zqLZW70IhqTcUpMYa5d_DSHLmsSxYEVb6WDSXnW5YmlDPa055-bkRhPluT5S0w9O7lamU23MOqA3SCofglrlw de acordo com a equação química a seguir.

https://lh5.googleusercontent.com/FrGs3lghn7KVYifdaiUx0umZTlHy4R5Z5Zdq9f6ZyZJjCKj5xsvmsKWxpyEP4451oNPaK6ptybd67n39jdlkWTEaqIHWcre8dz1_QuFUE9wL2g2D_zsXse_dDvyHZpGWyTFqHqZMO7lzuqxkgcK61Uhw2cZqKGq-0lnRh4LHs-Pcp05tz6oV-pTyDQ

Com base nessas informações, é correto afirmar que o volume, em litros, do ácido utilizado na titulação da soda cáustica é:

1. 0,04.
2. 0,06.
3. 0,12.
4. 0,4.
5. 0,6.

**Questão 9**

Misturam-se https://lh6.googleusercontent.com/lzUVdGL_NDRQErvF1NKzWj9RZa4PF7UNqJM_-0M3NDhFbZPpWtsfV_0O6rcoN10M5K8E_GJRBYhxU1eC6QZMXQaK4qa2XkzmASMrjnOJR6neqY6vVHjrOL8mOSm-7OStmg8L0hmzM2n6DagXHH994C2P6p5Rez7tEKSs-2JbfN6o_zvWUwoeBHtx2g de uma solução aquosa de ácido sulfúrico, https://lh5.googleusercontent.com/A4OSnvmmzJvzJPX-GC3YnZySyjILDTA-5JizMfa6IerkvHtLMgMtYmi24A57QHBNni6p-6bz_aVe81tntoo5daDRGrYuoiKDE2_4IAswoiZkDtD44WXZln4N0mJjFLJtc2yLmDzslsq5Ow0rBM43fAsCd41FmFOxadZjdG3oVsYwALGmtHRHuLcVkQ, de concentração https://lh5.googleusercontent.com/8vJ1LiDlXJEuIQfuRaaIxW86XVVZEYZV635vzE15CAkbP9UfW_-ie_-gB1kV0UfmgMiH3im-H0YHzGVeTBPPgiiZnwS7cPKx2dtXkV6eFpSXOKbwD59DThV2j2LEVyJ-Dv6DRZhEaNXUEMPfDkO7TyKSbrHmUTsccHzGDF8e0Egq5VJsyGZCSf85bA com https://lh3.googleusercontent.com/2PFyG6JNvK5SA1dwrDKJKJ1l0RhCl6uVIVbxK3laTH0AlmPhvAn7_R34OGKnQ_4ARn1xsOj9FQUQ6zb0MgMOaKO4qU47VmnYR8-_0_kXo4r8CScbOgV-dSD463NSoH1GCaP2CCoONeF3ViCqXASpQN90KH6xIf7I6wtcXNVPWJaiOpka7tShoOXJAg de uma solução aquosa de hidróxido de sódio,https://lh3.googleusercontent.com/DYYkCGxlv2AHwPKyOj7yT9C84tVxAf72JA6yRWBdFPI_2ePd5jX6VOyUMRhU05wmsndyEqbTAqzEMaauykZq3mHMFCqjt688MddG7-s2aEfUt9S1F4NbVyCjUDW15PI6t7Tojs3LYkmxV4L2bogeLhN6guZ-gnobseci61C0YeRN5LkwB40eiUCepw, de concentraçãohttps://lh6.googleusercontent.com/3gNiLpWxpH3GN6V9HIp2PCCOS1A6ngMdLyMIbuJW9N6afsyBa6pjBN-rMNxvS8HRYeD9H6WIW9hhuVWkOE-EnDnOfVux_W-K2QClQO5YrWD4jZ-NX342bAhARV60DqxNG5K6kTtikD2rmMjevckjfPx706OD94ZOPQMy5cs78FWhofpm-kib-b1N-g. Classifique a solução resultante em ácida, básica ou neutra.

**Questão 10**

O hidróxido de sódio (https://lh3.googleusercontent.com/uyxOB4ohbz6sfUqIUN5aBz-wG9cuCAn5RujqZfWem0f8cLZm1xQsXDWhulDjfz4z-O_1NxSUwWN0c-LCMX0RG51vTvDLWupP1_34Ptxv708dwLc7g7Bu55YLk-pyvYstuWBLnMk7vQMNhKjXzva-K1hR_WhZiRecJ5FDIcL0PDJwMxXeia4SdiCIHA) neutraliza completamente o ácido sulfúrico (https://lh5.googleusercontent.com/5gdVj-NiIuZ9NY79t2AHsCMKlS5sUyZ2f_fJTSz-AFyDZIhlNnrV54y_goA6eVQFh7qhVw37wU_qUOK3VpPxqecYuN6Q8Lc2usgOveg6aSwVufxYvfiBFQ2FbnojTcbvgeLjgbUyRPMg3VN790zy8jrjhovGWWURxAjD44zLRrBC105O02rsmGPbuA), de acordo com a equação:

https://lh4.googleusercontent.com/eEutDtCm_vfuMzdqBr11dPKlh40r1-0OGC9n8Su-jLe8vxz4WmGVcrpbAlNd5ztfN5jsULZkwRN-MGSVj5lVsl34BgyhtxF18Nc-QqfYN7dWWzj4l-LsQKYQWvKcbP7hAnK3rJgXNZ9L0RUNDs-5SeXWwi3mtmWxBtWWgueUGbhSE8vvFX7MOzwp3w

https://lh3.googleusercontent.com/auZJ-SHDaecH42ek9lK5EV64jlq2UqN5bi9bFpvD6AmSGKR3aZ8wobJrRTofvf9UFbXxdyFChIKAM39C1tmcWFldcJBsqEs46TRa7EK8aDULoEGdjOg2-khFTVXYeHaOXuhiQo-B7fZ9WeHPN0op3555ozgfmWuHvgi5qd4onFMQiAPGEWHxgGNoCw

O volume, em litros, de uma solução de https://lh5.googleusercontent.com/5gdVj-NiIuZ9NY79t2AHsCMKlS5sUyZ2f_fJTSz-AFyDZIhlNnrV54y_goA6eVQFh7qhVw37wU_qUOK3VpPxqecYuN6Q8Lc2usgOveg6aSwVufxYvfiBFQ2FbnojTcbvgeLjgbUyRPMg3VN790zy8jrjhovGWWURxAjD44zLRrBC105O02rsmGPbuA https://lh5.googleusercontent.com/vMmOWKlkcwnJ3t0XYC7SHsHviV-Ue_D-4B6whm0OvEKr_Kp4WEp7uSGTJr2bwdpe8ts2kQtAzl8P9y3CXVFiNcKTMbFPUzgeAdV1f8V6QpaMCNyZWrFqab0y9Tbv2wqDW_TYoFUGaWI--Kh0qMzqa8r10sadulslfb__fH5977UjV0okrWCU9zVzSw que reage com https://lh4.googleusercontent.com/JItpjKIelft6Xcs8PfnR3bvNp9EQCzKxtS8cD4NnNu_zKNIGL1zv1oTtJMWQ0lKpFM8hUVFjZiXRjUZVoYMsFxJCwZRuu_hCefBD-15rt-0LY_emuP_H4fIccjvBAkvv3xhLqeEvjinbhHQNkt7eYqcF6VNwE0Sn19knZelLJoqSwAYjzzm0_LnjAw de https://lh3.googleusercontent.com/CH8oMQRrPjeJRh-kL58ebsySj48B2Jx-D4VYp2wUPsqZeDS-0SoayptlGFprETQSyfsY7BiZoXCRUxTCrPme7PG0pyhXeEoQmPvv0ndn4YLKnBkZowhXt9gqnQOWLYLwnITJcGPv3xtmpZhE105KBDp0xnin0l-Dy_YKPWBCtyy2DwpFssJ8dnmkyA é:

1. 0,25.
2. 0,50.
3. 1,00.
4. 2,00.
5. 4,00.