

I'm not a robot



From Wikieducator LESSON-2. RULES AND FALLACIES FOR CATEGORICAL SYLLOGISM Chapter Outline Introduction Learning Objectives Rules of Standard-form of Categorical Syllogisms Fallacies of Violating the Rules Summary Practice Test Reference IntroductionSince the validity of a categorical syllogism depends solely upon its logical form, it is relatively simple to state the conditions under which the premises of syllogisms succeed in guaranteeing the truth of their conclusions. Relying heavily upon the medieval tradition, Copi & Cohen provide a list of six rules, each of which states a necessary condition for the validity of any categorical syllogism. Violating any of these rules involves committing one of the formal fallacies, errors in reasoning that result from reliance on an invalid logical form.In this lesson we will concentrate on the rules required for a standard-form of categorical syllogism and the fallacies created for violating these rules. Learning Objectives After reading this chapter, you are expected to learn about: Know the necessary condition for the validity of any categorical syllogism Explain how violating any of these rules involves committing fallacies.Rules and Fallacies for Categorical SyllogismsThe following rules must be observed in order to form a valid categorical syllogism:Rule 1. A valid categorical syllogism will have three and only three unambiguous categorical terms.The use of exactly three categorical terms is part of the definition of a categorical syllogism, and we saw earlier that the use of an ambiguous term in more than one of its senses amounts to the use of two distinct terms. In categorical syllogisms, using more than three terms commits the fallacy of four terms. Fallacy: Four termsExample:Power tends to corrupt Knowledge is power Knowledge tends to corruptJustification: This syllogism appears to have only three terms, but there are really four since one of them, the middle term power is used in different senses in the two premises. To reveal the arguments invalidity we need only note that the word power in the first premise means the possession of control or command over people, whereas the word power in the second premise means the ability to control things.Rule-2. In a valid categorical syllogism the middle term must be distributed in at least one of the premises.In order to effectively establish the presence of a genuine connection between the major and minor terms, the premises must provide some link between the entire class designated by the middle term, and the entire class designated in both premises, their logical intersection. If the middle term is never distributed in both premises, their logical intersection must be a completely unrelated class of which they speak. This is why it is said to commit the fallacy of the undistributed middle. Fallacy: Undistributed middleExample: All sharks are fish All salmon are fish All salmon are sharksJustification: The middle term is what connects the major and the minor term. If the middle term is never distributed, then the major and minor terms might be related to different parts of the M class, thus giving no common ground to relate S and P.Rule-3. In a valid categorical syllogism if a term is distributed in the conclusion, it must be distributed in the premises.A premise that refers only to some members of the class designated by the major or minor term of a syllogism cannot be used to support a conclusion that claims to tell us about every member of that class. Depending which of the terms is misused in this way, syllogisms in violation commit either the fallacy of the illicit major or the fallacy of the illicit minor. Fallacy: Illicit major; Illicit minorExamples: All horses are animals Some dogs are not horses Some dogs are not animalsAnd: All tigers are mammals All mammals are animals All animals are tigersJustification: When a term is distributed in the conclusion, lets say that P is distributed, then that term is saying something about every member of the P class. If that same term is NOT distributed in the major premise, then the major premise is saying something about only some members of the P class. Remember that the minor premise says nothing about the P class. Therefore, the conclusion contains information that is not contained in the premises, making the argument invalid.Rule-4. A valid categorical syllogism may not have two negative premises.The purpose of the middle term in an argument is to tie the major and minor terms together in such a way that an inference can be drawn, but negative propositions state that the terms of the propositions are exclusive of one another. In an argument consisting of two negative propositions the middle term is excluded from both the major term and the minor term, and thus there is no connection between the two and no inference can be drawn. A violation of this rule is called the fallacy of exclusive premises.Fallacy: Exclusive premisesExample: No fish are mammals Some dogs are not mammalsJustification: If the premises are both negative, then the relationship between S and P is denied. The conclusion can't, therefore, say anything in a positive fashion that information goes beyond what is contained in the premises.Rule-5. If either premise of a valid categorical syllogism is negative, the conclusion must be negative.An affirmative proposition asserts that one class is included in some way in another class, but a negative proposition that asserts exclusion cannot imply anything about inclusion. For this reason an argument with a negative proposition cannot have an affirmative conclusion. An argument that violates this rule is said to commit the fallacy of drawing an affirmative conclusion from a negative premise, or drawing a negative conclusion from an affirmative premise.Example:All crows are birds Some wolves are not crows Some wolves are birdsJustification: Two directions, here. Take a positive conclusion from one negative premise. The conclusion states that the S class is either wholly or partially contained in the P class. The only way that this can happen is if the S class is either partially or fully contained in the M class (remember, the middle term relates the two) and the M class fully contained in the P class. Negative statements cannot establish this relationship, so a valid conclusion cannot follow. Take a negative conclusion. It asserts that the S class is separated in whole or in part from the P class. If both premises are affirmative, no separation can be established, only connections. Thus, a negative conclusion cannot follow from positive premises.Note: These first four rules working together indicate that any syllogism with two particular premises is invalid.Rule-6. In valid categorical syllogisms particular propositions cannot be drawn properly from universal premises.Because we do not assume the existential import of universal propositions, they cannot be used as premises to establish the existential import that is part of any particular proposition. The existential fallacy violates this rule. Although it is possible to identify additional features shared by all valid categorical syllogisms (none of them, for example, have two particular premises), these six rules are jointly sufficient to identify all valid syllogisms. How many syllogisms contain? (a) one (b) two (c) three (d) four (e) five (f) six (g) seven (h) eight (i) nine (j) ten (k) eleven (l) twelve (m) thirteen (n) fourteen (o) fifteen (p) sixteen (q) seventeen (r) eighteen (s) nineteen (t) twenty (u) twenty-one (v) twenty-two (w) twenty-three (x) twenty-four (y) twenty-five (z) twenty-six (aa) twenty-seven (ab) twenty-eight (ac) twenty-nine (ad) thirty (ae) thirty-one (af) thirty-two (ag) thirty-three (ah) thirty-four (ai) thirty-five (aj) thirty-six (ak) thirty-seven (al) thirty-eight (am) thirty-nine (an) forty (ao) forty-one (ap) forty-two (aq) forty-three (ar) forty-four (as) forty-five (at) forty-six (au) forty-seven (av) forty-eight (aw) forty-nine (ax) fifty (ay) fifty-one (az) fifty-two (ba) fifty-three (bb) fifty-four (bc) fifty-five (bd) fifty-six (be) fifty-seven (bf) fifty-eight (bg) fifty-nine (bh) sixty (bi) sixty-one (bj) sixty-two (bk) sixty-three (bl) sixty-four (bm) sixty-five (bn) sixty-six (bo) sixty-seven (bp) sixty-eight (bq) sixty-nine (br) seventy (bs) seventy-one (bt) seventy-two (bu) seventy-three (bv) seventy-four (bv) seventy-five (bw) seventy-six (bx) seventy-seven (bx) seventy-eight (by) seventy-nine (bz) eighty (ca) eighty-one (cb) eighty-two (cc) eighty-three (cd) eighty-four (ce) eighty-five (cf) eighty-six (cf) eighty-seven (cg) eighty-eight (ch) eighty-nine (ci) ninety (cj) ninety-one (ck) ninety-two (cl) ninety-three (cm) ninety-four (cn) ninety-five (co) ninety-six (cp) ninety-seven (cq) ninety-eight (cr) ninety-nine (cs) one hundred (ct) one hundred and one (cu) one hundred and two (cv) one hundred and three (cw) one hundred and four (cx) one hundred and five (cy) one hundred and six (cz) one hundred and seven (ca) one hundred and eight (cb) one hundred and nine (cc) one hundred and ten (cd) one hundred and eleven (ce) one hundred and twelve (cf) one hundred and thirteen (cg) one hundred and fourteen (ch) one hundred and fifteen (ci) one hundred and sixteen (cj) one hundred and seventeen (ck) one hundred and eighteen (cl) one hundred and nineteen (cm) one hundred and twenty (cn) one hundred and twenty-one (co) one hundred and twenty-two (cp) one hundred and twenty-three (cq) one hundred and twenty-four (cr) one hundred and twenty-five (cs) one hundred and twenty-six (ct) one hundred and twenty-seven (cu) one hundred and twenty-eight (cv) one hundred and twenty-nine (cw) one hundred and thirty (cx) one hundred and thirty-one (cy) one hundred and thirty-two (cz) one hundred and thirty-three (ca) one hundred and thirty-four (cb) one hundred and thirty-five (cc) one hundred and thirty-six (cd) one hundred and thirty-seven (ce) one hundred and thirty-eight (cf) one hundred and thirty-nine (cg) one hundred and forty (ch) one hundred and forty-one (ci) one hundred and forty-two (cj) one hundred and forty-three (ck) one hundred and forty-four (cl) one hundred and forty-five (cm) one hundred and forty-six (cn) one hundred and forty-seven (co) one hundred and forty-eight (cp) one hundred and forty-nine (cq) one hundred and fifty (cr) one hundred and fifty-one (cs) one hundred and fifty-two (ct) one hundred and fifty-three (cu) one hundred and fifty-four (cv) one hundred and fifty-five (cw) one hundred and fifty-six (cx) one hundred and fifty-seven (cy) one hundred and fifty-eight (cz) one hundred and fifty-nine (ca) one hundred and sixty (cb) one hundred and sixty-one (cc) one hundred and sixty-two (cd) one hundred and sixty-three (ce) one hundred and sixty-four (cf) one hundred and sixty-five (cg) one hundred and sixty-six (ch) one hundred and sixty-seven (ci) one hundred and sixty-eight (cj) one hundred and sixty-nine (ck) one hundred and seventy (cl) one hundred and seventy-one (cm) one hundred and seventy-two (cn) one hundred and seventy-three (co) one hundred and seventy-four (cp) one hundred and seventy-five (cq) one hundred and seventy-six (cr) one hundred and seventy-seven (cs) one hundred and seventy-eight (ct) one hundred and seventy-nine (cu) one hundred and eighty (cv) one hundred and eighty-one (cw) one hundred and eighty-two (cx) one hundred and eighty-three (cy) one hundred and eighty-four (cz) one hundred and eighty-five (ca) one hundred and eighty-six (cb) one hundred and eighty-seven (cc) one hundred and eighty-eight (cd) one hundred and eighty-nine (ce) one hundred and ninety (cf) one hundred and ninety-one (cg) one hundred and ninety-two (ch) one hundred and ninety-three (ci) one hundred and ninety-four (cj) one hundred and ninety-five (ck) one hundred and ninety-six (cl) one hundred and ninety-seven (cm) one hundred and ninety-eight (cn) one hundred and ninety-nine (co) two hundred (cp) two hundred and one (cq) two hundred and two (cr) two hundred and three (cs) two hundred and four (ct) two hundred and five (cu) two hundred and six (cv) two hundred and seven (cw) two hundred and eight (cx) two hundred and nine (cy) two hundred and ten (cz) two hundred and eleven (ca) two hundred and twelve (cb) two hundred and thirteen (cc) two hundred and fourteen (cd) two hundred and fifteen (ce) two hundred and sixteen (cf) two hundred and seventeen (cg) two hundred and eighteen (ch) two hundred and nineteen (ci) two hundred and twenty (cj) two hundred and twenty-one (ck) two hundred and twenty-two (cl) two hundred and twenty-three (cm) two hundred and twenty-four (cn) two hundred and twenty-five (co) two hundred and twenty-six (cp) two hundred and twenty-seven (cq) two hundred and twenty-eight (cr) two hundred and twenty-nine (cs) two hundred and thirty (ct) two hundred and thirty-one (cu) two hundred and thirty-two (cv) two hundred and thirty-three (cw) two hundred and thirty-four (cx) two hundred and thirty-five (cy) two hundred and thirty-six (cz) two hundred and thirty-seven (ca) two hundred and thirty-eight (cb) two hundred and thirty-nine (cc) two hundred and forty (cd) two hundred and forty-one (ce) two hundred and forty-two (cf) two hundred and forty-three (cg) two hundred and forty-four (ch) two hundred and forty-five (ci) two hundred and forty-six (cj) two hundred and forty-seven (ck) two hundred and forty-eight (cl) two hundred and forty-nine (cm) two hundred and fifty (cn) two hundred and fifty-one (co) two hundred and fifty-two (cp) two hundred and fifty-three (cq) two hundred and fifty-four (cr) two hundred and fifty-five (cs) two hundred and fifty-six (ct) two hundred and fifty-seven (cu) two hundred and fifty-eight (cv) two hundred and fifty-nine (cw) two hundred and sixty (cx) two hundred and sixty-one (cy) two hundred and sixty-two (cz) two hundred and sixty-three (ca) two hundred and sixty-four (cb) two hundred and sixty-five (cc) two hundred and sixty-six (cd) two hundred and sixty-seven (ce) two hundred and sixty-eight (cf) two hundred and sixty-nine (cg) two hundred and seventy (ch) two hundred and seventy-one (ci) two hundred and seventy-two (cj) two hundred and seventy-three (ck) two hundred and seventy-four (cl) two hundred and seventy-five (cm) two hundred and seventy-six (cn) two hundred and seventy-seven (co) two hundred and seventy-eight (cp) two hundred and seventy-nine (cq) two hundred and eighty (cr) two hundred and eighty-one (cs) two hundred and eighty-two (ct) two hundred and eighty-three (cu) two hundred and eighty-four (cv) two hundred and eighty-five (cw) two hundred and eighty-six (cx) two hundred and eighty-seven (cy) two hundred and eighty-eight (cz) two hundred and eighty-nine (ca) two hundred and ninety (cb) two hundred and ninety-one (cc) two hundred and ninety-two (cd) two hundred and ninety-three (ce) two hundred and ninety-four (cf) two hundred and ninety-five (cg) two hundred and ninety-six (ch) two hundred and ninety-seven (ci) two hundred and ninety-eight (cj) two hundred and ninety-nine (ck) three hundred (cl) three hundred and one (cm) three hundred and two (cn) three hundred and three (co) three hundred and four (cp) three hundred and five (cq) three hundred and six (cr) three hundred and seven (cs) three hundred and eight (ct) three hundred and nine (cu) three hundred and ten (cv) three hundred and eleven (cw) three hundred and twelve (cx) three hundred and thirteen (cy) three hundred and fourteen (cz) three hundred and fifteen (ca) three hundred and sixteen (cb) three hundred and seventeen (cc) three hundred and eighteen (cd) three hundred and nineteen (ce) three hundred and twenty (cf) three hundred and twenty-one (cg) three hundred and twenty-two (ch) three hundred and twenty-three (ci) three hundred and twenty-four (cj) three hundred and twenty-five (ck) three hundred and twenty-six (cl) three hundred and twenty-seven (cm) three hundred and twenty-eight (cn) three hundred and twenty-nine (co) three hundred and thirty (cp) three hundred and thirty-one (cq) three hundred and thirty-two (cr) three hundred and thirty-three (cs) three hundred and thirty-four (ct) three hundred and thirty-five (cu) three hundred and thirty-six (cv) three hundred and thirty-seven (cw) three hundred and thirty-eight (cx) three hundred and thirty-nine (cy) three hundred and forty (cz) three hundred and forty-one (ca) three hundred and forty-two (cb) three hundred and forty-three (cc) three hundred and forty-four (cd) three hundred and forty-five (ce) three hundred and forty-six (cf) three hundred and forty-seven (cg) three hundred and forty-eight (ch) three hundred and forty-nine (ci) three hundred and fifty (cj) three hundred and fifty-one (ck) three hundred and fifty-two (cl) three hundred and fifty-three (cm) three hundred and fifty-four (cn) three hundred and fifty-five (co) three hundred and fifty-six (cp) three hundred and fifty-seven (cq) three hundred and fifty-eight (cr) three hundred and fifty-nine (cs) three hundred and sixty (ct) three hundred and sixty-one (cu) three hundred and sixty-two (cv) three hundred and sixty-three (cw) three hundred and sixty-four (cx) three hundred and sixty-five (cy) three hundred and sixty-six (cz) three hundred and sixty-seven (ca) three hundred and sixty-eight (cb) three hundred and sixty-nine (cc) three hundred and seventy (cd) three hundred and seventy-one (ce) three hundred and seventy-two (cf) three hundred and seventy-three (cg) three hundred and seventy-four (ch) three hundred and seventy-five (ci) three hundred and seventy-six (cj) three hundred and seventy-seven (ck) three hundred and seventy-eight (cl) three hundred and seventy-nine (cm) three hundred and eighty (cn) three hundred and eighty-one (co) three hundred and eighty-two (cp) three hundred and eighty-three (cq) three hundred and eighty-four (cr) three hundred and eighty-five (cs) three hundred and eighty-six (ct) three hundred and eighty-seven (cu) three hundred and eighty-eight (cv) three hundred and eighty-nine (cw) three hundred and ninety (cx) three hundred and ninety-one (cy) three hundred and ninety-two (cz) three hundred and ninety-three (ca) three hundred and ninety-four (cb) three hundred and ninety-five (cc) three hundred and ninety-six (cd) three hundred and ninety-seven (ce) three hundred and ninety-eight (cf) three hundred and ninety-nine (cg) four hundred (ch) four hundred and one (ci) four hundred and two (cj) four hundred and three (ck) four hundred and four (cl) four hundred and five (cm) four hundred and six (cn) four hundred and seven (co) four hundred and eight (cp) four hundred and nine (cq) four hundred and ten (cr) four hundred and eleven (cs) four hundred and twelve (ct) four hundred and thirteen (cu) four hundred and fourteen (cv) four hundred and fifteen (cw) four hundred and sixteen (cx) four hundred and seventeen (cy) four hundred and eighteen (cz) four hundred and nineteen (ca) four hundred and twenty (cb) four hundred and twenty-one (cc) four hundred and twenty-two (cd) four hundred and twenty-three (ce) four hundred and twenty-four (cf) four hundred and twenty-five (cg) four hundred and twenty-six (ch) four hundred and twenty-seven (ci) four hundred and twenty-eight (cj) four hundred and twenty-nine (ck) four hundred and thirty (cl) four hundred and thirty-one (cm) four hundred and thirty-two (cn) four hundred and thirty-three (co) four hundred and thirty-four (cp) four hundred and thirty-five (cq) four hundred and thirty-six (cr) four hundred and thirty-seven (cs) four hundred and thirty-eight (ct) four hundred and thirty-nine (cu) four hundred and forty (cv) four hundred and forty-one (cw) four hundred and forty-two (cx) four hundred and forty-three (cy) four hundred and forty-four (cz) four hundred and forty-five (ca) four hundred and forty-six (cb) four hundred and forty-seven (cc) four hundred and forty-eight (cd) four hundred and forty-nine (ce) four hundred and fifty (cf) four hundred and fifty-one (cg) four hundred and fifty-two (ch) four hundred and fifty-three (ci) four hundred and fifty-four (cj) four hundred and fifty-five (ck) four hundred and fifty-six (cl) four hundred and fifty-seven (cm) four hundred and fifty-eight (cn) four hundred and fifty-nine (co) four hundred and sixty (cp) four hundred and sixty-one (cq) four hundred and sixty-two (cr) four hundred and sixty-three (cs) four hundred and sixty-four (ct) four hundred and sixty-five (cu) four hundred and sixty-six (cv) four hundred and sixty-seven (cw) four hundred and sixty-eight (cx) four hundred and sixty-nine (cy) four hundred and seventy (cz) four hundred and seventy-one (ca) four hundred and seventy-two (cb) four hundred and seventy-three (cc) four hundred and seventy-four (cd) four hundred and seventy-five (ce) four hundred and seventy-six (cf) four hundred and seventy-seven (cg) four hundred and seventy-eight (ch) four hundred and seventy-nine (ci) four hundred and eighty (cj) four hundred and eighty-one (ck) four hundred and eighty-two (cl) four hundred and eighty-three (cm) four hundred and eighty-four (cn) four hundred and eighty-five (co) four hundred and eighty-six (cp) four hundred and eighty-seven (cq) four hundred and eighty-eight (cr) four hundred and eighty-nine (cs) four hundred and ninety (ct) four hundred and ninety-one (cu) four hundred and ninety-two (cv) four hundred and ninety-three (cw) four hundred and ninety-four (cx) four hundred and ninety-five (cy) four hundred and ninety-six (cz) four hundred and ninety-seven (ca) four hundred and ninety-eight (cb) four hundred and ninety-nine (cc) five hundred (cd) five hundred and one (ce) five hundred and two (cf) five hundred and three (cg) five hundred and four (ch) five hundred and five (ci) five hundred and six (cj) five hundred and seven (ck) five hundred and eight (cl) five hundred and nine (cm) five hundred and ten (cn) five hundred and eleven (co) five hundred and twelve (cp) five hundred and thirteen (cq) five hundred and fourteen (cr) five hundred and fifteen (cs) five hundred and sixteen (ct) five hundred and seventeen (cu) five hundred and eighteen (cv) five hundred and nineteen (cw) five hundred and twenty (cx) five hundred and twenty-one (cy) five hundred and twenty-two (cz) five hundred and twenty-three (ca) five hundred and twenty-four (cb) five hundred and twenty-five (cc) five hundred and twenty-six (cd) five hundred and twenty-seven (ce) five hundred and twenty-eight (cf) five hundred and twenty-nine (cg) five hundred and thirty (ch) five hundred and thirty-one (ci) five hundred and thirty-two (cj) five hundred and thirty-three (ck) five hundred and thirty-four (cl) five hundred and thirty-five (cm) five hundred and thirty-six (cn) five hundred and thirty-seven (co) five hundred and thirty-eight (cp) five hundred and thirty-nine (cq) five hundred and forty (cr) five hundred and forty-one (cs) five hundred and forty-two (ct) five hundred and forty-three (cu) five hundred and forty-four (cv) five hundred and forty-five (cw) five hundred and forty-six (cx) five hundred and forty-seven (cy) five hundred and forty-eight (cz) five hundred and forty-nine (ca) five hundred and fifty (cb) five hundred and fifty-one (cc) five hundred and fifty-two (cd) five hundred and fifty-three (ce) five hundred and fifty-four (cf) five hundred and fifty-five (cg) five hundred and fifty-six (ch) five hundred and fifty-seven (ci) five hundred and fifty-eight (cj) five hundred and fifty-nine (ck) five hundred and sixty (cl) five hundred and sixty-one (cm) five hundred and sixty-two (cn) five hundred and sixty-three (co) five hundred and sixty-four (cp) five hundred and sixty-five (cq) five hundred and sixty-six (cr) five hundred and sixty-seven (cs) five hundred and sixty-eight (ct) five hundred and sixty-nine (cu) five hundred and seventy (cv) five hundred and seventy-one (cw) five hundred and seventy-two (cx) five hundred and seventy-three (cy) five hundred and seventy-four (cz) five hundred and seventy-five (ca) five hundred and seventy-six (cb) five hundred and seventy-seven (cc) five hundred and seventy-eight (cd) five hundred and seventy-nine (ce) five hundred and eighty (cf) five hundred and eighty-one (cg) five hundred and eighty-two (ch) five hundred and eighty-three (ci) five hundred and eighty-four (cj) five hundred and eighty-five (ck) five hundred and eighty-six (cl) five hundred and eighty-seven (cm) five hundred and eighty-eight (cn) five hundred and eighty-nine (co) five hundred and ninety (cp) five hundred and ninety-one (cq) five hundred and ninety-two (cr) five hundred and ninety-three (cs) five hundred and ninety-four (ct) five hundred and ninety-five (cu) five hundred and ninety-six (cv) five hundred and ninety-seven (cw) five hundred and ninety-eight (cx) five hundred and ninety-nine (cy) six hundred (cz) six hundred and one (ca) six hundred and two (cb) six hundred and three (cc) six hundred and four (cd) six hundred and five (ce) six hundred and six (cf) six hundred and seven (cg) six hundred and eight (ch) six hundred and nine (ci) six hundred and ten (cj) six hundred and eleven (ck) six hundred and twelve (cl) six hundred and thirteen (cm) six hundred and fourteen (cn) six hundred and fifteen (co) six hundred and sixteen (cp) six hundred and seventeen (cq) six hundred and eighteen (cr) six hundred and nineteen (cs) six hundred and twenty (ct) six hundred and twenty-one (cu) six hundred and twenty-two (cv) six hundred and twenty-three (cw) six hundred and twenty-four (cx) six hundred and twenty-five (cy) six hundred and twenty-six (cz) six hundred and twenty-seven (ca) six hundred and twenty-eight (cb) six hundred and twenty-nine (cc) six hundred and thirty (cd) six hundred and thirty-one (ce) six hundred and thirty-two (cf) six hundred and thirty-three (cg) six hundred and thirty-four (ch) six hundred and thirty-five (ci) six hundred and thirty-six (cj) six hundred and thirty-seven (ck) six hundred and thirty-eight (cl) six hundred and thirty-nine (cm) six hundred and forty (cn) six hundred and forty-one (co) six hundred and forty-two (cp) six hundred and forty-three (cq) six hundred and forty-four (cr) six hundred and forty-five (cs) six hundred and forty-six (ct) six hundred and forty-seven (cu) six hundred and forty-eight (cv) six hundred and forty-nine (cw) six hundred and fifty (cx) six hundred and fifty-one (cy) six hundred and fifty-two (cz) six hundred and fifty-three (ca) six hundred and fifty-four (cb) six hundred and fifty-five (cc) six hundred and fifty-six (cd) six hundred and fifty-seven (ce) six hundred and fifty-eight (cf) six hundred and fifty-nine (cg) six hundred and sixty (ch) six hundred and sixty-one (ci) six hundred and sixty-two (cj) six hundred and sixty-three (ck) six hundred and sixty-four (cl) six hundred and sixty-five (cm) six hundred and sixty-six (cn) six hundred and sixty-seven (co) six hundred and sixty-eight (cp) six hundred and sixty-nine (cq) six hundred and seventy (cr) six hundred and seventy-one (cs) six hundred and seventy-two (ct) six hundred and seventy-three (cu) six hundred and seventy-four (cv) six hundred and seventy-five (cw) six hundred and seventy-six (cx) six hundred and seventy-seven (cy) six hundred and seventy-eight (cz) six hundred and seventy-nine (ca) six hundred and eighty (cb) six hundred and eighty-one (cc) six hundred and eighty-two (cd) six hundred and eighty-three (ce) six hundred and eighty-four (cf) six hundred and eighty-five (cg) six hundred and eighty-six (ch) six hundred and eighty-seven (ci) six hundred and eighty-eight (cj) six hundred and eighty-nine (ck) six hundred and ninety (cl) six hundred and ninety-one (cm) six hundred and ninety-two (cn) six hundred and ninety-three (co) six hundred and ninety-four (cp) six hundred and ninety-five (cq) six hundred and ninety-six (cr) six hundred and ninety-seven (cs) six hundred and ninety-eight (ct) six hundred and ninety-nine (cu) seven hundred (cv) seven hundred and one (cw) seven hundred and two (cx) seven hundred and three (cy) seven hundred and four (cz) seven hundred and five (ca) seven hundred and six (cb) seven hundred and seven (cc) seven hundred and eight (cd) seven hundred and nine (ce) seven hundred and ten (cf) seven hundred and eleven (cg) seven hundred and twelve (ch) seven hundred and thirteen (ci) seven hundred and fourteen (cj) seven hundred and fifteen (ck) seven hundred and sixteen (cl) seven hundred and seventeen (cm) seven hundred and eighteen (cn) seven hundred and nineteen (co) seven hundred and twenty (cp) seven hundred and twenty-one (cq) seven hundred and twenty-two (cr) seven hundred and twenty-three (cs) seven hundred and twenty-four (ct) seven hundred and twenty-five (cu) seven hundred and twenty-six (cv) seven hundred and twenty-seven (cw) seven hundred and twenty-eight (cx) seven hundred and twenty-nine (cy) seven hundred and thirty (cz) seven hundred and thirty-one (ca) seven hundred and thirty-two (cb) seven hundred and thirty-three (cc) seven hundred and thirty-four (cd) seven hundred and thirty-five (ce) seven hundred and thirty-six (cf) seven hundred and thirty-seven (cg) seven hundred and thirty-eight (ch) seven hundred and thirty-nine (ci) seven hundred and forty (cj) seven hundred and forty-one (ck) seven hundred and forty-two (cl) seven hundred and forty-three (cm) seven hundred and forty-four (cn) seven hundred and forty-five (co) seven hundred and forty-six (cp) seven hundred and forty-seven (cq) seven hundred and forty-eight (cr) seven hundred and forty-nine (cs) seven hundred and fifty (ct) seven hundred and fifty-one (cu) seven hundred and fifty-two (cv) seven hundred and fifty-three (cw) seven hundred and fifty-four (cx) seven hundred and fifty-five (cy) seven hundred and fifty-six (cz) seven hundred and fifty-seven (ca) seven hundred and fifty-eight (cb) seven hundred and fifty-nine (cc) seven hundred and sixty (cd) seven hundred and sixty-one (ce) seven hundred and sixty-two (cf) seven hundred and sixty-three (cg) seven hundred and sixty-four (ch) seven hundred and sixty-five (ci) seven hundred and sixty-six (cj) seven hundred and sixty-seven (ck) seven hundred and sixty-eight (cl) seven hundred and sixty-nine (cm) seven hundred and seventy (cn) seven hundred and seventy-one (co) seven hundred and seventy-two (cp) seven hundred and seventy-three (cq) seven hundred and seventy-four (cr) seven hundred and seventy-five (cs) seven hundred and seventy-six (ct) seven hundred and seventy-seven (cu) seven hundred and seventy-eight (cv) seven hundred and seventy-nine (cw) seven hundred and eighty (cx) seven hundred and eighty-one (cy) seven hundred and eighty-two (cz) seven hundred and eighty-three (ca) seven hundred and eighty-four (cb) seven hundred and eighty-five (cc) seven hundred and eighty-six (cd) seven hundred and eighty-seven (ce) seven hundred and eighty-eight (cf) seven hundred and eighty-nine (cg) seven hundred and ninety (ch) seven hundred and ninety-one (ci) seven hundred and ninety-two (cj) seven hundred and ninety-three (ck) seven hundred and ninety-four (cl) seven hundred and ninety-five (cm) seven hundred and ninety-six (cn) seven hundred and ninety-seven (co) seven hundred and ninety-eight (cp) seven hundred and ninety-nine (cq) eight hundred (cr) eight hundred and one (cs) eight hundred and two (ct) eight hundred and three (cu) eight hundred and four (cv) eight hundred and five (cw) eight hundred and six (cx) eight hundred and seven (cy) eight hundred and eight (cz) eight hundred and nine (ca) eight hundred and ten (cb) eight hundred and eleven (cc) eight hundred and twelve (cd) eight hundred and thirteen (ce) eight hundred and fourteen (cf) eight hundred and fifteen (cg) eight hundred and sixteen (ch) eight hundred and seventeen (ci) eight hundred and eighteen (cj) eight hundred and nineteen (ck) eight hundred and twenty (cl) eight hundred and twenty-one (cm) eight hundred and twenty-two (cn) eight hundred and twenty-three (co) eight hundred and twenty-four (cp) eight hundred and twenty-five (cq) eight hundred and twenty-six (cr) eight hundred and twenty-seven (cs) eight hundred and twenty-eight (ct) eight hundred and twenty-nine (cu) eight hundred and thirty (cv) eight hundred and thirty-one (cw) eight hundred and thirty-two (cx) eight hundred and thirty-three (cy) eight hundred and thirty-four (cz) eight hundred and thirty-five (ca) eight hundred and thirty-six (cb) eight hundred and thirty-seven (cc) eight hundred and thirty-eight (cd) eight hundred and thirty-nine (ce) eight hundred and forty (cf) eight hundred and forty-one (cg) eight hundred and forty-two (ch) eight hundred and forty-three (ci) eight hundred and forty-four (cj) eight hundred and forty-five (ck) eight hundred and forty-six (cl) eight hundred and forty-seven (cm) eight hundred and forty-eight (cn) eight hundred and forty-nine (co) eight hundred and fifty (cp) eight hundred and fifty-one (cq) eight hundred and fifty-two (cr) eight hundred and fifty-three (cs) eight hundred and fifty-four (ct) eight hundred and fifty-five (cu) eight hundred and fifty-six (cv) eight hundred and fifty-seven (cw) eight hundred and fifty-eight (cx) eight hundred and fifty-nine (cy) eight hundred and sixty (cz) eight hundred and sixty-one (ca) eight hundred and sixty-two (cb) eight hundred and sixty-three (cc) eight hundred and sixty-four (cd) eight hundred and sixty-five (ce) eight hundred and sixty-six (cf) eight hundred and sixty-seven (cg) eight hundred and sixty-eight (ch) eight hundred and sixty-nine (ci) eight hundred and seventy (cj) eight hundred and seventy-one (ck) eight hundred and seventy-two (cl) eight hundred and seventy-three (cm) eight hundred and seventy-four (cn) eight hundred and seventy-five (co) eight hundred and seventy-six (cp) eight hundred and seventy-seven (cq) eight hundred and seventy-eight (cr) eight hundred and seventy-nine (cs) eight hundred and eighty (ct) eight hundred and eighty-one (cu) eight hundred and eighty-two (cv) eight hundred and eighty-three (cw) eight hundred and eighty-four (cx) eight hundred and eighty-five (cy) eight hundred and eighty-six (cz) eight hundred and eighty-seven (ca) eight hundred and eighty-eight (cb) eight hundred and eighty-nine (cc) eight hundred and ninety (cd) eight hundred and ninety-one (ce) eight hundred and ninety-two (cf) eight hundred and ninety-three (cg) eight hundred and ninety-four (ch) eight hundred and ninety-five (ci) eight hundred and ninety-six (cj) eight hundred and ninety-seven (ck) eight hundred and ninety-eight (cl) eight hundred and ninety-nine (cm) nine hundred (cn) nine hundred and one (co) nine hundred and two (cp) nine hundred and three (cq) nine hundred and four (cr) nine hundred and five (cs) nine hundred and six (ct) nine hundred and seven (cu) nine hundred and eight (cv) nine hundred and nine (cw) nine hundred and ten (cx) nine hundred and eleven (cy) nine hundred and twelve (cz) nine hundred and thirteen (ca) nine hundred and fourteen (cb) nine hundred and fifteen (cc) nine hundred and sixteen (cd) nine hundred and seventeen (ce) nine hundred and eighteen (cf) nine hundred and nineteen (cg) nine hundred and twenty (ch) nine hundred and twenty-one (ci) nine hundred and twenty-two (cj) nine hundred and twenty-three (ck) nine hundred and twenty-four (cl) nine hundred and twenty-five (cm) nine hundred and twenty-six (cn) nine hundred and twenty-seven (co) nine hundred and twenty-eight (cp) nine hundred and twenty-nine (cq) nine hundred and thirty (cr) nine hundred and thirty-one (cs) nine hundred and thirty-two (ct) nine hundred and thirty-three (cu) nine hundred and thirty-four (cv) nine hundred and thirty-five (cw) nine hundred and thirty-six (cx) nine hundred and thirty-seven (cy) nine hundred and thirty-eight (cz) nine hundred and thirty-nine (ca) nine hundred and forty (cb) nine hundred and forty-one (cc) nine hundred and forty-two (cd) nine hundred and forty-three (ce) nine hundred and forty-four (cf) nine hundred and forty-five (cg) nine hundred and forty-six (ch) nine hundred and forty-seven (ci) nine hundred and forty-eight (cj) nine hundred and forty-nine (ck) nine hundred and fifty (cl) nine hundred and fifty-one (cm) nine hundred and fifty-two (cn) nine hundred and fifty-three (co) nine hundred and fifty-four (cp) nine hundred and fifty-five (cq) nine hundred and fifty-six (cr) nine hundred and fifty-seven (cs) nine hundred and fifty-eight (ct) nine hundred and fifty-nine (cu) nine hundred and sixty (cv) nine hundred and sixty-one (cw) nine hundred and sixty-two (cx) nine hundred and sixty-three (cy) nine hundred and sixty-four (cz) nine hundred and sixty-five (ca) nine hundred and sixty-six (cb) nine hundred and sixty-seven (cc) nine hundred and sixty-eight (cd) nine hundred and sixty-nine (ce) nine hundred and seventy (cf) nine hundred and seventy-one (cg) nine hundred and seventy-two (ch) nine hundred and seventy-three (ci) nine hundred and seventy-four (cj) nine hundred and seventy-five (ck) nine hundred and seventy-six (cl) nine hundred and seventy-seven (cm) nine hundred and seventy-eight (cn) nine hundred and seventy-nine (co) nine hundred and eighty (cp) nine hundred and eighty-one (cq) nine hundred and eighty-two (cr) nine hundred and eighty-three (cs) nine hundred and eighty-four (ct) nine hundred and eighty-five (cu) nine hundred and eighty-six (cv) nine hundred and eighty-seven (cw) nine hundred and eighty-eight (cx) nine hundred and eighty-nine (cy) nine hundred and ninety (cz) nine hundred and ninety-one (ca) nine hundred and ninety-two (cb) nine hundred and ninety-three (cc) nine hundred and ninety-four (cd) nine hundred and ninety-five (ce) nine hundred and ninety-six (cf) nine hundred and ninety-seven (cg) nine hundred and ninety-eight (ch) nine hundred and ninety-nine (ci) ten hundred (cj) ten hundred and one (ck) ten hundred and two (cl) ten hundred and three (cm) ten hundred and four (cn) ten hundred and five (co) ten hundred and six (cp) ten hundred and seven (cq) ten hundred and eight (cr) ten hundred and nine (cs) ten hundred and ten (ct) ten hundred and eleven (cu) ten hundred and twelve (cv) ten hundred and thirteen (cw) ten hundred and fourteen (cx) ten hundred and fifteen (cy) ten hundred and sixteen (cz) ten hundred and seventeen (ca) ten hundred and eighteen (cb) ten hundred and nineteen (cc) ten hundred and twenty (cd) ten hundred and twenty-one (ce) ten hundred and twenty-two (cf) ten hundred and twenty-three (cg) ten hundred and twenty-four (ch) ten hundred and twenty-five (ci) ten hundred and twenty-six (cj) ten hundred and twenty-seven (ck) ten hundred and twenty-eight (cl) ten hundred and twenty-nine (cm) ten hundred and thirty (cn) ten hundred and thirty-one (co) ten hundred and thirty-two (cp) ten hundred and thirty-three (cq) ten hundred and thirty-four (cr) ten hundred and thirty-five (cs) ten hundred and thirty-six (ct) ten hundred and thirty-seven (cu) ten hundred and thirty-eight (cv) ten hundred and thirty-nine (cw) ten hundred and forty (cx) ten hundred and forty-one (cy) ten hundred and forty-two (cz) ten hundred and forty-three (ca) ten hundred and forty-four (cb) ten hundred and forty-five (cc) ten hundred and forty-six (cd) ten hundred and forty-seven (ce) ten hundred and forty-eight (cf) ten hundred and forty-nine (cg) ten hundred and fifty (ch) ten hundred and fifty-one (ci) ten hundred and fifty-two (cj) ten hundred and fifty-three (ck) ten hundred and fifty-four (cl) ten hundred and fifty-five (cm) ten hundred and fifty-six (cn) ten hundred and fifty-seven (co) ten hundred and fifty-eight (cp) ten hundred and fifty-nine (cq) ten hundred and sixty (cr) ten hundred and sixty-one (cs) ten hundred and sixty-two (ct) ten hundred and sixty-three (cu) ten hundred and sixty-four (cv) ten hundred and sixty-five (cw) ten hundred and sixty-six (cx) ten hundred and sixty-seven (cy) ten hundred and sixty-eight (cz) ten hundred and sixty-nine (ca) ten hundred and seventy (cb) ten hundred and seventy-one (cc) ten hundred and seventy-two (cd) ten hundred and seventy-three (ce) ten hundred and seventy-four (cf) ten hundred and seventy-five (cg) ten hundred and seventy-six (ch) ten hundred and seventy-seven (ci) ten hundred and seventy-eight (cj) ten hundred and seventy-nine (ck) ten hundred and eighty (cl) ten hundred and eighty-one (cm) ten hundred and eighty-two (cn) ten hundred and eighty-three (co) ten hundred and eighty-four (cp) ten hundred and eighty-five (cq) ten hundred and eighty-six (cr) ten hundred and eighty-seven (cs) ten hundred and eighty-eight (ct) ten hundred and eighty-nine (cu) ten hundred and ninety (cv) ten hundred and ninety-one (cw) ten hundred and ninety-two (cx) ten hundred and ninety-three (cy) ten hundred and ninety-four (cz) ten hundred and ninety-five (ca) ten hundred and ninety-six (cb) ten hundred and ninety-seven (cc) ten hundred and ninety-eight (cd) ten hundred and ninety-nine (ce) eleven hundred (ce) eleven hundred and one (cf) eleven hundred and two (cg) eleven hundred and three (ch) eleven hundred and four (ci) eleven hundred and five (cj) eleven hundred and six (ck) eleven hundred and seven (cl) eleven hundred and eight (cm) eleven hundred and nine (cn) eleven hundred and ten (co) eleven hundred and eleven (cp) eleven hundred and twelve (cq) eleven hundred and thirteen (cr) eleven hundred and fourteen (cs) eleven hundred and fifteen (ct) eleven hundred and sixteen (cu) eleven hundred and seventeen (cv) eleven hundred and eighteen (cw) eleven hundred and nineteen (cx) eleven hundred and twenty (cy) eleven hundred and twenty-one (cz) eleven hundred and twenty-two (ca) eleven hundred and twenty-three (cb) eleven hundred and twenty-four (cc) eleven hundred and twenty-five (cd) eleven hundred and twenty-six (ce) eleven hundred and twenty-seven (cf) eleven hundred and twenty-eight (cg) eleven hundred and twenty-nine (ch) eleven hundred and thirty (ci) eleven hundred and thirty-one (cj) eleven hundred and thirty-two (ck) eleven hundred and thirty-three (cl) eleven hundred and thirty-four (cm) eleven hundred and thirty-five (cn) eleven hundred and thirty-six (co) eleven hundred and thirty-seven (cp) eleven hundred and thirty-eight (cq) eleven hundred and thirty-nine (cr) eleven hundred and forty (cs) eleven hundred and forty-one (ct) eleven hundred and forty-two (cu) eleven hundred and forty-three (cv) eleven hundred and forty-four (cw) eleven hundred and forty-five (cx) eleven hundred and forty-six (cy) eleven hundred and forty-seven (cz) eleven hundred and forty-eight (ca) eleven hundred and forty-nine (cb) eleven hundred and fifty (cc) eleven hundred and fifty-one (cd) eleven hundred and fifty-two (ce) eleven hundred and fifty-three (cf) eleven hundred and fifty-four (cg) eleven hundred and fifty-five (ch) eleven hundred and fifty-six (ci) eleven hundred and fifty-seven (cj) eleven hundred and fifty-eight (ck) eleven hundred and fifty-nine (cl) eleven hundred and sixty (cm) eleven hundred and sixty-one (cn) eleven hundred and sixty-two (co) eleven hundred and sixty-three (cp) eleven hundred and sixty-four (cq) eleven hundred and sixty-five (cr) eleven hundred and sixty-six (cs) eleven hundred and sixty-seven (ct) eleven hundred and sixty-eight (cu) eleven hundred and sixty-nine (cv) eleven hundred and seventy (cw) eleven hundred and seventy-one (cx) eleven hundred and seventy-two (cy) eleven hundred and seventy-three (cz) eleven hundred and seventy-four (ca) eleven hundred and seventy-five (cb) eleven hundred and seventy-six (cc) eleven hundred and seventy-seven (cd) eleven hundred and seventy-eight (ce) eleven hundred and seventy-nine (cf) eleven hundred and eighty (cg) eleven hundred and eighty-one (ch) eleven hundred and eighty-two (ci) eleven hundred and eighty-three (cj) eleven hundred and eighty-four (ck) eleven hundred and eighty-five (cl) eleven hundred and eighty-six (cm) eleven hundred and eighty-seven (cn) eleven hundred and eighty-eight (co) eleven hundred and eighty-nine (cp) eleven hundred and ninety (cq) eleven hundred and ninety-one (cr) eleven hundred and ninety-two (cs) eleven hundred and ninety-three (ct) eleven hundred and ninety-four (cu) eleven hundred and ninety-five (cv) eleven hundred and ninety-six (cw) eleven hundred and ninety-seven (cx) eleven hundred and ninety-eight (cy) eleven hundred and ninety-nine (cz) twelve hundred (ca) twelve hundred and one (cb) twelve hundred and two (cc) twelve hundred and three (cd) twelve hundred and four (ce) twelve hundred and five (cf) twelve hundred and six (cg) twelve hundred and seven (ch) twelve hundred and eight (ci) twelve hundred and nine (cj) twelve hundred and ten (ck) twelve hundred and eleven (cl) twelve hundred and twelve (cm) twelve hundred and thirteen (cn) twelve hundred and fourteen (co) twelve hundred and fifteen (cp) twelve hundred and sixteen (cq) twelve hundred and seventeen (cr) twelve hundred and eighteen (cs) twelve hundred and nineteen (ct) twelve hundred and twenty (cu) twelve hundred and twenty-one (cv) twelve hundred and twenty-two (cw) twelve hundred and twenty-three (cx) twelve hundred and twenty-four (cy) twelve hundred and twenty-five (cz) twelve hundred and twenty-six (ca) twelve hundred and twenty-seven (cb) twelve hundred and twenty-eight (cc) twelve hundred and twenty-nine (cd) twelve hundred and thirty (ce) twelve hundred and thirty-one (cf) twelve hundred and thirty-two (cg) twelve hundred and thirty-three (ch) twelve hundred and thirty-four (ci) twelve hundred and thirty-five (cj) twelve hundred and thirty-six (ck) twelve hundred and thirty-seven (cl) twelve hundred and thirty-eight (cm) twelve hundred and thirty-nine (cn) twelve hundred and forty (co) twelve hundred and forty-one (cp) twelve hundred and forty-two (cq) twelve hundred and forty-three (cr) twelve hundred and forty-four (cs) twelve hundred and forty-five (ct) twelve hundred and forty-six (cu) twelve hundred and forty-seven (cv) twelve hundred and forty-eight (cw) twelve hundred and forty-nine (cx) twelve hundred and fifty (cy) twelve hundred and fifty-one (cz) twelve hundred and fifty-two (ca) twelve hundred and fifty-three (cb) twelve hundred and fifty-four (cc) twelve hundred and fifty-five (cd) twelve hundred and fifty-six (ce) twelve hundred and fifty-seven (cf) twelve hundred and fifty-eight (cg) twelve hundred and fifty-nine (ch) twelve hundred and sixty (ci) twelve hundred and sixty-one (cj) twelve hundred and sixty-two (ck) twelve hundred and sixty-three (cl) twelve hundred and sixty-four (cm) twelve hundred and sixty-five (cn) twelve hundred and sixty-six (co) twelve hundred and sixty-seven (cp) twelve hundred and sixty-eight (cq) twelve hundred and sixty-nine (cr) twelve hundred and seventy (cs) twelve hundred and seventy-one (ct) twelve hundred and seventy-two (cu) twelve hundred and seventy-three (cv) twelve hundred and seventy-four (cw) twelve hundred and seventy-five (cx) twelve hundred and seventy-six (cy) twelve hundred and seventy-seven (cz) twelve hundred and seventy-eight (ca) twelve hundred and seventy-nine (cb) twelve hundred and eighty (cc) twelve hundred and eighty-one (cd) twelve hundred and eighty-two (ce) twelve hundred and eighty-three (cf) twelve hundred and eighty-four (cg) twelve hundred and eighty-five (ch) twelve hundred and eighty-six (ci) twelve hundred and eighty-seven (cj) twelve hundred and eighty-eight (ck) twelve hundred and eighty-nine (cl) twelve hundred and ninety (cm) twelve hundred and ninety-one (cn) twelve hundred and ninety-two (co) twelve hundred and ninety-three (cp) twelve hundred and ninety-four (cq) twelve hundred and ninety-five (cr) twelve hundred and ninety-six (cs) twelve hundred and ninety-seven (ct) twelve hundred and ninety-eight (cu) twelve hundred and ninety-nine (cv) thirteen hundred (cv) thirteen hundred and one (cw) thirteen hundred and two (cx) thirteen hundred and three (cy) thirteen hundred and four (cz) thirteen hundred and five (ca) thirteen hundred and six (cb) thirteen hundred and seven (cc) thirteen hundred and eight (cd) thirteen hundred and nine (ce) thirteen hundred and ten (cf) thirteen hundred and eleven (cg) thirteen hundred and twelve (ch) thirteen hundred and thirteen (ci) thirteen hundred and fourteen (cj) thirteen hundred and fifteen (ck) thirteen hundred and sixteen (cl) thirteen hundred and seventeen (cm) thirteen hundred and eighteen (cn) thirteen hundred and nineteen (co) thirteen hundred and twenty (cp) thirteen hundred and twenty-one (cq) thirteen hundred and twenty-two (cr) thirteen hundred and twenty-three (cs) thirteen hundred and twenty-four (ct) thirteen hundred and twenty-five (cu) thirteen hundred and twenty-six (cv) thirteen hundred and twenty-seven (cw) thirteen hundred and twenty-eight (cx) thirteen hundred and twenty-nine (cy) thirteen hundred and thirty (cz) thirteen hundred and thirty-one (ca) thirteen hundred and thirty-two (cb) thirteen hundred and thirty-three (cc) thirteen hundred and thirty-four (cd) thirteen hundred and thirty-five (ce) thirteen hundred and thirty-six (cf) thirteen hundred and thirty-seven (cg) thirteen hundred and thirty-eight (ch) thirteen hundred and thirty-nine (ci) thirteen hundred and forty (cj) thirteen hundred and forty-one (ck) thirteen hundred and forty-two (cl) thirteen hundred and forty-three (cm) thirteen hundred and forty-four (cn) thirteen hundred and forty-five (co) thirteen hundred and forty-six (cp) thirteen hundred and forty-seven (cq) thirteen hundred and forty-eight (cr) thirteen hundred and forty-nine (cs) thirteen hundred and fifty (ct) thirteen hundred and fifty-one (cu) thirteen hundred and fifty-two (cv) thirteen hundred and fifty-three (cw) thirteen hundred and fifty-four (cx) thirteen hundred and fifty-five (cy) thirteen hundred and fifty-six (cz) thirteen hundred and fifty-seven (ca) thirteen hundred and fifty-eight (cb) thirteen hundred and fifty-nine (cc) thirteen hundred and sixty (cd) thirteen hundred and sixty-one (ce) thirteen hundred and sixty-two (cf) thirteen hundred and sixty-three (cg) thirteen hundred and sixty-four (ch) thirteen hundred and sixty-five (ci) thirteen hundred and sixty-six (cj) thirteen hundred and sixty-seven (ck) thirteen hundred and sixty-eight (cl) thirteen hundred and sixty-nine (cm) thirteen hundred and seventy (cn) thirteen hundred and seventy-one (co) thirteen hundred and seventy-two (cp) thirteen hundred and seventy-three (cq) thirteen hundred and seventy-four (cr) thirteen hundred and seventy-five (cs) thirteen hundred and seventy-six (ct) thirteen hundred and seventy-seven (cu) thirteen hundred and seventy-eight (cv) thirteen hundred and seventy-nine (cw) thirteen hundred and eighty (cx) thirteen hundred and eighty-one (cy) thirteen hundred and eighty-two (cz) thirteen hundred and eighty-three (ca) thirteen hundred and eighty-four (cb) thirteen hundred and eighty-five (cc) thirteen hundred and eighty-six (cd) thirteen hundred and eighty-seven (ce) thirteen hundred and eighty-eight (cf) thirteen hundred and eighty-nine (cg) thirteen hundred and ninety (ch) thirteen hundred and ninety-one (ci) thirteen hundred and ninety-two (cj) thirteen hundred and ninety-three (ck) thirteen hundred and ninety-four (cl) thirteen hundred and ninety-five (cm) thirteen hundred and ninety-six (cn) thirteen hundred and ninety-seven (co) thirteen hundred and ninety-eight (cp) thirteen hundred and ninety-nine (cq) fourteen hundred (cr) fourteen hundred and one (cs) fourteen hundred and two (ct) fourteen hundred and three (cu) fourteen hundred and four (cv) fourteen hundred and five (cw) fourteen hundred and six (cx) fourteen hundred and seven (cy) fourteen hundred and eight (cz) fourteen hundred and nine (ca) fourteen hundred and ten (cb) fourteen hundred and eleven (cc) fourteen hundred and twelve (cd) fourteen hundred and thirteen (ce) fourteen hundred and fourteen (cf) fourteen hundred and fifteen (cg) fourteen hundred and sixteen (ch) fourteen hundred and seventeen (ci) fourteen hundred and eighteen (cj) fourteen hundred and nineteen (ck) fourteen hundred and twenty (cl) fourteen hundred and twenty-one (cm) fourteen hundred and twenty-two (cn) fourteen hundred and twenty-three (co) fourteen hundred and twenty-four (cp) fourteen hundred and twenty-five (cq) fourteen hundred and twenty-six (cr) fourteen hundred and twenty-seven (cs) fourteen hundred and twenty-eight (ct) fourteen hundred and twenty-nine (cu) fourteen hundred and thirty (cv) fourteen hundred and thirty-one (cw) fourteen hundred and thirty-two (cx) fourteen hundred and thirty-three (cy) fourteen hundred and thirty-four (cz) fourteen hundred and thirty-five (ca) fourteen hundred and thirty-six (cb) fourteen hundred and thirty-seven (cc) fourteen hundred and thirty-eight (cd) fourteen hundred and thirty-nine (ce) fourteen hundred and forty (cf) fourteen hundred and forty-one (cg) fourteen hundred and forty-two (ch) fourteen hundred and forty-three (ci) fourteen hundred and forty-four (cj) fourteen hundred and forty-five (ck) fourteen hundred and forty-six (cl) fourteen hundred and forty-seven (cm) fourteen hundred and forty-eight (cn) fourteen hundred and forty-nine (co) fourteen hundred and fifty (cp) fourteen hundred and fifty-one (cq) fourteen hundred and fifty-two (cr) fourteen hundred and fifty-three (cs) fourteen hundred and fifty-four (ct) fourteen hundred and fifty-five (cu) fourteen hundred and fifty-six (cv) fourteen hundred and fifty-seven (cw) fourteen hundred and fifty-eight (cx) fourteen hundred and fifty-nine (cy

