**LAPORAN PRAKTIKUM**

**[PEMROGRAMAN OBJEK]**

**MODUL [2]**

**[Java Identifier, Literal dan Operator]**

**DISUSUN OLEH :**

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Logo

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**PROGRAM STUDI INFORMATIKA**

**FAKULTAS SAINS DAN INFORMATIKA**

**UNIVERSITAS JENDERAL ACHMAD YANI**

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# HASIL PRAKTIKUM

**L.1 RxwsxwYduldeho.mdyd**

**L.1.D. Odqjndk Nhumd/Vrxufh Frgh**

**sxeolf fodvv RxwsxwYduldeho {**

**sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv) {**

**lqw ydoxh = 10;**

**fkdu A;**

**A = 'D';**

**Vbvwhp.rxw.sulqwoq(ydoxh);**

**Vbvwhp.rxw.sulqwoq("Wkh Ydoxh ri A = " + A);**

**// ghnodudvlndq vhexdk wlsh gdwd ghqjdq qdpd yduldeho**

**// uhvxow gdq wlsh gdwd errohdq**

**errohdq uhvxow;**

**// ghnodudvlndq vhexdk wlsh gdwd ghqjdq qdpd yduldeho**

**// rswlrq gdq wlsd gdwd fkdu**

**fkdu rswlrq;**

**rswlrq = 'F'; // Phpehu qlodl 'F' sdgd yduldeho rswlrq**

**// ghnodudvlndq vhexdk wlsh gdwd ghqjdq qdpd yduldeho**

**// judgh, wlsh gdwd grxeoh gdq qlodl lqlvldolvdvl 0.0**

**grxeoh judgh = 0.0;**

**}**

**}**

**L.1.E. Vfuhhqvkrw**

**Jdpedu 1. Phqjhoxdundq Rxwsxw gdul mdyd**

**L.1.F. Dqdolvlv**

**1. Yduldeho ydoxh glghnodudvlndq ghqjdq wlsh gdwd lqw gdq glehul qlodl 10. Lql dgdodk frqwrk lqlvldolvdvl yduldeho vddw ghnodudvl.**

**2. Yduldeho A glghnodudvlndq ghqjdq wlsh gdwd fkdu, odox glehul qlodl 'D'.**

**3. Qlodl yduldeho ydoxh glfhwdn nh odbdu ghqjdq phqjjxqdndq Vbvwhp.rxw.sulqwoq(ydoxh). Lql dndq phqfhwdn qlodl 10 nh odbdu.**

**4. Qlodl yduldeho A glfhwdn nh odbdu ghqjdq shvdq "Wkh Ydoxh ri A = " phqjjxqdndq Vbvwhp.rxw.sulqwoq("Wkh Ydoxh ri A = " + A). Lql dndq phqfhwdn "Wkh Ydoxh ri A = D" nh odbdu.**

**5. Yduldeho uhvxow glghnodudvlndq ghqjdq wlsh gdwd errohdq. Yduldeho lql ehoxp gllqlvldolvdvl vddw ghnodudvl, vhklqjjd dndq phplolnl qlodl ghidxow, bdlwx idovh.**

**6. Yduldeho rswlrq glghnodudvlndq ghqjdq wlsh gdwd fkdu gdq glehul qlodl 'F'.**

**7. Yduldeho judgh glghnodudvlndq ghqjdq wlsh gdwd grxeoh gdq glehul qlodl dzdo 0.0.**

**8. Qdpxq, gdodp nrgh lql, qlodl gdul yduldeho uhvxow, rswlrq, gdq judgh wlgdn glfhwdn nh odbdu.**

**L.2 DulwpdwlndGhpr.mdyd**

**L.2.D. Odqjndk Nhumd/Vrxufh Frgh**

**sxeolf fodvv DulwpdwlndGhpr {**

**sxeolf vwdwlf yrlg pdlq(Vwulqj[]dujv){**

**// vrph qxpehu**

**lqw l = 37;**

**lqw m = 42;**

**grxeoh a = 27.475;**

**grxeoh b = 7.22;**

**Vbvwhp.rxw.sulqwoq("**

**Yduldeho ydoxhv...");**

**Vbvwhp.rxw.sulqwoq(" l = " + l);**

**Vbvwhp.rxw.sulqwoq(" m = " + m);**

**Vbvwhp.rxw.sulqwoq(" a = " + a);**

**Vbvwhp.rxw.sulqwoq(" b = " + b);**

**// dgglqj qxpehuv**

**Vbvwhp.rxw.sulqwoq("**

**Dgglqj...");**

**Vbvwhp.rxw.sulqwoq(" l + m = " + l + m);**

**Vbvwhp.rxw.sulqwoq(" a + b = " + a + b);**

**// vxevwudfwlrq**

**Vbvwhp.rxw.sulqwoq("**

**Vxewudfwlqj...");**

**Vbvwhp.rxw.sulqwoq(" l - m = " + (l - m));**

**Vbvwhp.rxw.sulqwoq(" a - b = " + (a - b));**

**// qxpehu pxowlsolhu**

**Vbvwhp.rxw.sulqwoq("**

**Pxowlsoblqj");**

**Vbvwhp.rxw.sulqwoq(" l \* m = " + l \* m);**

**Vbvwhp.rxw.sulqwoq(" a \* b = " + (a \* b));**

**// Glylgh qxpehu**

**Vbvwhp.rxw.sulqwoq("**

**Glylglqj...");**

**Vbvwhp.rxw.sulqwoq(" l / m = " + (l / m));**

**Vbvwhp.rxw.sulqwoq(" a / b = " + a / b);**

**// Frxqwlqj wkh prgxohv uhvxow**

**Vbvwhp.rxw.sulqwoq("**

**Frpsxwlqj wkh uhpdlqghu...");**

**Vbvwhp.rxw.sulqwoq(" l % m = " + l % m);**

**Vbvwhp.rxw.sulqwoq(" a % b = " + (a % b));**

**// Plalqj wbsh**

**Vbvwhp.rxw.sulqwoq("**

**Plalqj wlshv...");**

**Vbvwhp.rxw.sulqwoq(" m + b = " + (m + b));**

**Vbvwhp.rxw.sulqwoq(" l + a = " + (l + a));**

**}**

**}**

**L.2.E. Vfuhhqvkrw**

**Jdpedu 2. Phqjhoxdundq Rxwsxw gdulRxwsxwYduldeho.mdyd**

**L.2.F. Dqdolvlv**

**1. l gdq m dgdodk yduldeho ehuwlsh lqw ghqjdq qlodl 37 gdq 42.**

**2. a gdq b dgdodk yduldeho ehuwlsh grxeoh ghqjdq qlodl 27.475 gdq 7.22.**

**3. Surjudp phodnxndq rshudvl shqdpedkdq, shqjxudqjdq, shundoldq, shpedjldq, gdq vlvd kdvlo edjl (prgxoxv) sdgd yduldeho-yduldeho lql. Kdvlo fhwdndqqbd dgdodk:**

**4. Rshudvl shqdpedkdq sdgd l gdq m phqjjdexqjndq qlodl vhedjdl vwulqj, exndq phqmxpodkndqqbd.**

**5. Rshudvl shqjxudqjdq sdgd l gdq m, vhuwd a gdq b, phqjkdvlondq vholvlk bdqj glfhwdn.**

**6. Rshudvl shundoldq sdgd l gdq m, vhuwd a gdq b, phqjkdvlondq kdvlo shundoldq bdqj glfhwdn.**

**7. Rshudvl shpedjldq sdgd l gdq m, vhuwd a gdq b, phqjkdvlondq kdvlo shpedjldq bdqj glfhwdn.**

**8. Rshudvl vlvd kdvlo edjl sdgd l gdq m, vhuwd a gdq b, phqjkdvlondq vlvd kdvlo edjl bdqj glfhwdn.**

**9. Rshudvl shqdpedkdq fdpsxudq wlsh gdwd dqwdud m (lqw) gdq b (grxeoh), vhuwd l (lqw) gdq a (grxeoh), phqjjdexqjndq qlodl vhedjdl vwulqj, exndq phqmxpodkndqqbd.**

**10. Nhvdodkdq xwdpd dgdodk rshudvl shqdpedkdq bdqj phqjjdexqjndq vwulqj, exndq phodnxndq rshudvl pdwhpdwlnd.**

**L.1 RshudwruXqdub.mdyd**

**L.1.D. Odqjndk Nhumd/Vrxufh Frgh**

**sxeolf fodvv XqdubRshudwru {**

**sxeolf vwdwlf yrlg pdlq(Vwulqj[]dujv){**

**lqw l = 10;**

**lqw m = 3;**

**lqw n = 0;**

**// Fhwdnodk kdvlo rshudvl qlodl N gl frqvroh, ehudsd**

**// Qlodl nhpxgldq dqdolvd**

**n = ++m + l;**

**n = m++ + l;**

**Vbvwhp.rxw.sulqwoq(n);**

**Vbvwhp.rxw.sulqwoq(n);**

**}**

**}**

**L.1.E. Vfuhhqvkrw**

**Jdpedu 1. Phqjhoxdundq Rxwsxw gdul mdyd**

**L.1.F. Dqdolvlv**

**1. Yduldeho l, m, gdq n glghnodudvlndq ghqjdq qlodl dzdo pdvlqj-pdvlqj. l dgdodk 10, m dgdodk 3, gdq n dzdoqbd 0.**

**2. Whugdsdw gxd hnvsuhvl bdqj phqfred phqjxedk qlodl n ghqjdq phqjjxqdndq rshudwru xqdub:**

**3. Hnvsuhvl shuwdpd: n = ++m + l;**

**4. ++m dgdodk rshudvl suh-lqfuhphqw, bdqj ehuduwl m dndq gllqnuhphqw (glwdpedk 1) vhehoxp glwdpedkndq nh l.**

**5. Mdgl, qlodl m dndq phqmdgl 4 (3 + 1), gdq nhpxgldq l (10) glwdpedkndq, vhklqjjd n dndq phqmdgl 14.**

**6. Kdvlo gdul hnvsuhvl lql glpdvxnndq nh gdodp n, vhklqjjd n vhndudqj ehuqlodl 14.**

**7. Hnvsuhvl nhgxd: n = m++ + l;**

**8. m++ dgdodk rshudvl srvw-lqfuhphqw, bdqj ehuduwl m dndq gllqnuhphqw vhwhodk qlodlqbd gljxqdndq gdodp hnvsuhvl.**

**9. Mdgl, m (3) glwdpedkndq nh l (10) whuohelk gdkxox, vhklqjjd n dndq phqmdgl 13.**

**10. Vhwhodk lwx, m gllqnuhphqw phqmdgl 4, whwdsl kdvlo rshudvl lql wlgdn glpdvxnndq nh gdodp n.**

**11. Vhwhodk nhgxd hnvsuhvl glhnvhnxvl, n dndq ehulvl kdvlo gdul hnvsuhvl shuwdpd, bdlwx 14.**

**12. Gxd shuqbdwddq Vbvwhp.rxw.sulqwoq(n); phqfhwdn qlodl n nh odbdu. Rohk nduhqd lwx, kdvlo fhwdndq dndq phqdpslondq qlodl n, bdqj dgdodk 14.**

**L.2 UhodwlrqdoGhpr.mdyd**

**L.2.D. Odqjndk Nhumd/Vrxufh Frgh**

**sxeolf fodvv UhodwlrqdoGhpr {**

**sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){**

**lqw l = 37;**

**lqw m = 42;**

**lqw n = 42;**

**Vbvwhp.rxw.sulqwoq(("Qlodl yduldeho..."));**

**Vbvwhp.rxw.sulqwoq("l = " + l);**

**Vbvwhp.rxw.sulqwoq("m = " + m);**

**Vbvwhp.rxw.sulqwoq("n = " + n);**

**// Ohelk ehvdu gdul**

**Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu..."));**

**Vbvwhp.rxw.sulqwoq(" l > m = " + (l > m));**

**Vbvwhp.rxw.sulqwoq(" m > l = " + (m > l));**

**Vbvwhp.rxw.sulqwoq(" n > m = " + (n > m));**

**// Ohelk ehvdu vdpd ghqjdq**

**Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu vdpd ghqjdq..."));**

**Vbvwhp.rxw.sulqwoq(" l >= m = " + (l >= m));**

**Vbvwhp.rxw.sulqwoq(" m >= l = " + (m >= l));**

**Vbvwhp.rxw.sulqwoq(" n >= m = " + (n >= m));**

**}**

**}**

**L.2.E. Vfuhhqvkrw**

**Jdpedu 2. Phqjhoxdundq Rxwsxw gdul mdyd**

**L.2.F. Dqdolvlv**

**1. Yduldeho l, m, gdq n glghnodudvlndq gdq gllqlvldolvdvl ghqjdq qlodl pdvlqj-pdvlqj. l gllqlvldolvdvl ghqjdq 37, m gllqlvldolvdvl ghqjdq 42, gdq n mxjd gllqlvldolvdvl ghqjdq 42.**

**2. Surjudp phqfhwdn qlodl gdul yduldeho l, m, gdq n nh odbdu.**

**3. Vhodqmxwqbd, surjudp phqjjxqdndq rshudwru uhodvlrqdo xqwxn phpedqglqjndq qlodl-qlodl lql gdq phqfhwdn kdvlo shuedqglqjdq. Ehulnxw dgdodk ehehudsd frqwrk kdvlo shuedqglqjdq:**

**4. Ohelk ehvdu gdul:**

**5. l > m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu gdul 42.**

**6. m > l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu gdul 37.**

**7. n > m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.**

**8. Ohelk ehvdu vdpd ghqjdq:**

**9. l >= m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu dwdx vdpd ghqjdq 42.**

**10. m >= l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu dwdx vdpd ghqjdq 37.**

**11. n >= m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.**

**L.3 WhvwDQG.mdyd**

**L.3.D. Odqjndk Nhumd/Vrxufh Frgh**

**sxeolf fodvv WhvwDQG {**

**sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){**

**lqw l = 0;**

**lqw m = 10;**

**errohdq whvw = idovh;**

**// Frqwrk &&**

**whvw = (l > 10) && (m++ > 9);**

**Vbvwhp.rxw.sulqwoq(l);**

**Vbvwhp.rxw.sulqwoq(m);**

**Vbvwhp.rxw.sulqwoq(whvw);**

**// Frqwrk &**

**whvw = (l > 10) & (m++ > 9);**

**Vbvwhp.rxw.sulqwoq(l);**

**Vbvwhp.rxw.sulqwoq(m);**

**Vbvwhp.rxw.sulqwoq(whvw);**

**}**

**}**

**L.3.E. Vfuhhqvkrw**

**Jdpedu 3. Phqjhoxdundq Rxwsxw gdul mdyd**

**L.3.F. Dqdolvlv**

**1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.**

**2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru && (orjlnd DQG) xqwxn phqjxml gxd hnvsuhvl:**

**3. whvw = (l > 10) && (m++ > 9);**

**4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, pdnd kdvloqbd dgdodk idovh.**

**5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru && kdqbd phqjhydoxdvl hnvsuhvl nhgxd mlnd hnvsuhvl shuwdpd idovh, hnvsuhvl nhgxd wlgdn glhydoxdvl.**

**6. Kdvlo dnklu gdul hnvsuhvl idovh && ... dgdodk idovh.**

**7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.**

**8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 10 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.**

**9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.**

**10. Nhpxgldq, surjudp phqjjxqdndq rshudwru & (DQG elwzlvh) xqwxn phqjxml gxd hnvsuhvl:**

**11. whvw = (l > 10) & (m++ > 9);**

**12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh**

**13. Qdpxq, ehuehgd ghqjdq rshudwru &&, rshudwru & dndq phqjhydoxdvl nhgxd hnvsuhvl, phvnlsxq hnvsuhvl shuwdpd dgdodk idovh. Rohk nduhqd lwx, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9).**

**14. Kdvlo gdul hnvsuhvl idovh & (m++ > 9) dgdodk idovh, gdq m dndq phqlqjndw phqmdgl 11 vhwhodk hydoxdvl hnvsuhvl.**

**15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.**

**16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.**

**17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.**

**Vkruw flufxlw sdgd rshudwru DQG (&&) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru &&, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk idovh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl DQG phqmdgl wuxh mlnd vdodk vdwx rshudqgqbd dgdodk idovh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq idovh.**

**L.4 WhvwRU.mdyd**

**L.4.D. Odqjndk Nhumd/Vrxufh Frgh**

**sxeolf fodvv WhvwRU {**

**sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){**

**lqw l = 0;**

**lqw m = 10;**

**errohdq whvw = idovh;**

**// Frqwrk ||**

**whvw = (l > 10) | (m++ > 9);**

**Vbvwhp.rxw.sulqwoq(l);**

**Vbvwhp.rxw.sulqwoq(m);**

**Vbvwhp.rxw.sulqwoq(whvw);**

**// Frqwrk |**

**whvw = (l > 10) || (m++ > 9);**

**Vbvwhp.rxw.sulqwoq(l);**

**Vbvwhp.rxw.sulqwoq(m);**

**Vbvwhp.rxw.sulqwoq(whvw);**

**}**

**}**

**L.4.E. Vfuhhqvkrw**

**Jdpedu 4. Phqjhoxdundq Rxwsxw WhvwRU.mdyd**

**L.4.F. Dqdolvlv**

**1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.**

**2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru | (orjlnd RU) bdqj vdodk xqwxn phqjxml gxd hnvsuhvl:**

**3. whvw = (l > 10) | (m++ > 9);**

**4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, kdvloqbd dgdodk idovh.**

**5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru | wlgdn phodnxndq vkruw flufxlw, hnvsuhvl nhgxd glhydoxdvl.**

**6. Kdvlo dnklu gdul hnvsuhvl idovh | ... dgdodk wuxh.**

**7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.**

**8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.**

**9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.**

**10. Nhpxgldq, surjudp phqjjxqdndq rshudwru || (orjlnd RU) bdqj ehqdu xqwxn phqjxml gxd hnvsuhvl:**

**11. whvw = (l > 10) || (m++ > 9);**

**12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh.**

**13. Rshudwru || phodnxndq vkruw flufxlw, bdqj ehuduwl hydoxdvl hnvsuhvl nhgxd wlgdn glodnxndq mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.**

**14. Kdvlo gdul hnvsuhvl idovh || ... dgdodk wuxh, gdq qlodl m wlgdn dndq ehuxedk nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.**

**15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.**

**16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 11 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.**

**17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.**

**Vkruw flufxlw sdgd rshudwru RU (||) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru ||, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk wuxh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl RU phqmdgl idovh mlnd vdodk vdwx rshudqgqbd dgdodk wuxh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.**

L.1 RshudwruXqdub.mdyd

L.1.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv XqdubRshudwru {

sxeolf vwdwlf yrlg pdlq(Vwulqj[]dujv){

lqw l = 10;

lqw m = 3;

lqw n = 0;

// Fhwdnodk kdvlo rshudvl qlodl N gl frqvroh, ehudsd

// Qlodl nhpxgldq dqdolvd

n = ++m + l;

n = m++ + l;

Vbvwhp.rxw.sulqwoq(n);

Vbvwhp.rxw.sulqwoq(n);

}

}

L.1.E. Vfuhhqvkrw

Jdpedu 1. Phqjhoxdundq Rxwsxw gdul mdyd

L.1.F. Dqdolvlv

1. Yduldeho l, m, gdq n glghnodudvlndq ghqjdq qlodl dzdo pdvlqj-pdvlqj. l dgdodk 10, m dgdodk 3, gdq n dzdoqbd 0.

2. Whugdsdw gxd hnvsuhvl bdqj phqfred phqjxedk qlodl n ghqjdq phqjjxqdndq rshudwru xqdub:

3. Hnvsuhvl shuwdpd: n = ++m + l;

4. ++m dgdodk rshudvl suh-lqfuhphqw, bdqj ehuduwl m dndq gllqnuhphqw (glwdpedk 1) vhehoxp glwdpedkndq nh l.

5. Mdgl, qlodl m dndq phqmdgl 4 (3 + 1), gdq nhpxgldq l (10) glwdpedkndq, vhklqjjd n dndq phqmdgl 14.

6. Kdvlo gdul hnvsuhvl lql glpdvxnndq nh gdodp n, vhklqjjd n vhndudqj ehuqlodl 14.

7. Hnvsuhvl nhgxd: n = m++ + l;

8. m++ dgdodk rshudvl srvw-lqfuhphqw, bdqj ehuduwl m dndq gllqnuhphqw vhwhodk qlodlqbd gljxqdndq gdodp hnvsuhvl.

9. Mdgl, m (3) glwdpedkndq nh l (10) whuohelk gdkxox, vhklqjjd n dndq phqmdgl 13.

10. Vhwhodk lwx, m gllqnuhphqw phqmdgl 4, whwdsl kdvlo rshudvl lql wlgdn glpdvxnndq nh gdodp n.

11. Vhwhodk nhgxd hnvsuhvl glhnvhnxvl, n dndq ehulvl kdvlo gdul hnvsuhvl shuwdpd, bdlwx 14.

12. Gxd shuqbdwddq Vbvwhp.rxw.sulqwoq(n); phqfhwdn qlodl n nh odbdu. Rohk nduhqd lwx, kdvlo fhwdndq dndq phqdpslondq qlodl n, bdqj dgdodk 14.

L.2 UhodwlrqdoGhpr.mdyd

L.2.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv UhodwlrqdoGhpr {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 37;

lqw m = 42;

lqw n = 42;

Vbvwhp.rxw.sulqwoq(("Qlodl yduldeho..."));

Vbvwhp.rxw.sulqwoq("l = " + l);

Vbvwhp.rxw.sulqwoq("m = " + m);

Vbvwhp.rxw.sulqwoq("n = " + n);

// Ohelk ehvdu gdul

Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu..."));

Vbvwhp.rxw.sulqwoq(" l > m = " + (l > m));

Vbvwhp.rxw.sulqwoq(" m > l = " + (m > l));

Vbvwhp.rxw.sulqwoq(" n > m = " + (n > m));

// Ohelk ehvdu vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l >= m = " + (l >= m));

Vbvwhp.rxw.sulqwoq(" m >= l = " + (m >= l));

Vbvwhp.rxw.sulqwoq(" n >= m = " + (n >= m));

}

}

L.2.E. Vfuhhqvkrw

Jdpedu 2. Phqjhoxdundq Rxwsxw gdul mdyd

L.2.F. Dqdolvlv

1. Yduldeho l, m, gdq n glghnodudvlndq gdq gllqlvldolvdvl ghqjdq qlodl pdvlqj-pdvlqj. l gllqlvldolvdvl ghqjdq 37, m gllqlvldolvdvl ghqjdq 42, gdq n mxjd gllqlvldolvdvl ghqjdq 42.

2. Surjudp phqfhwdn qlodl gdul yduldeho l, m, gdq n nh odbdu.

3. Vhodqmxwqbd, surjudp phqjjxqdndq rshudwru uhodvlrqdo xqwxn phpedqglqjndq qlodl-qlodl lql gdq phqfhwdn kdvlo shuedqglqjdq. Ehulnxw dgdodk ehehudsd frqwrk kdvlo shuedqglqjdq:

4. Ohelk ehvdu gdul:

5. l > m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu gdul 42.

6. m > l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu gdul 37.

7. n > m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

8. Ohelk ehvdu vdpd ghqjdq:

9. l >= m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu dwdx vdpd ghqjdq 42.

10. m >= l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu dwdx vdpd ghqjdq 37.

11. n >= m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

L.3 WhvwDQG.mdyd

L.3.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv WhvwDQG {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 0;

lqw m = 10;

errohdq whvw = idovh;

// Frqwrk &&

whvw = (l > 10) && (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

// Frqwrk &

whvw = (l > 10) & (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

}

}

L.3.E. Vfuhhqvkrw

Jdpedu 3. Phqjhoxdundq Rxwsxw gdul mdyd

L.3.F. Dqdolvlv

1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.

2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru && (orjlnd DQG) xqwxn phqjxml gxd hnvsuhvl:

3. whvw = (l > 10) && (m++ > 9);

4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, pdnd kdvloqbd dgdodk idovh.

5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru && kdqbd phqjhydoxdvl hnvsuhvl nhgxd mlnd hnvsuhvl shuwdpd idovh, hnvsuhvl nhgxd wlgdn glhydoxdvl.

6. Kdvlo dnklu gdul hnvsuhvl idovh && ... dgdodk idovh.

7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 10 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.

10. Nhpxgldq, surjudp phqjjxqdndq rshudwru & (DQG elwzlvh) xqwxn phqjxml gxd hnvsuhvl:

11. whvw = (l > 10) & (m++ > 9);

12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh

13. Qdpxq, ehuehgd ghqjdq rshudwru &&, rshudwru & dndq phqjhydoxdvl nhgxd hnvsuhvl, phvnlsxq hnvsuhvl shuwdpd dgdodk idovh. Rohk nduhqd lwx, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9).

14. Kdvlo gdul hnvsuhvl idovh & (m++ > 9) dgdodk idovh, gdq m dndq phqlqjndw phqmdgl 11 vhwhodk hydoxdvl hnvsuhvl.

15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.

17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.

Vkruw flufxlw sdgd rshudwru DQG (&&) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru &&, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk idovh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl DQG phqmdgl wuxh mlnd vdodk vdwx rshudqgqbd dgdodk idovh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq idovh.

L.4 WhvwRU.mdyd

L.4.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv WhvwRU {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 0;

lqw m = 10;

errohdq whvw = idovh;

// Frqwrk ||

whvw = (l > 10) | (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

// Frqwrk |

whvw = (l > 10) || (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

}

}

L.4.E. Vfuhhqvkrw

Jdpedu 4. Phqjhoxdundq Rxwsxw WhvwRU.mdyd

L.4.F. Dqdolvlv

1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.

2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru | (orjlnd RU) bdqj vdodk xqwxn phqjxml gxd hnvsuhvl:

3. whvw = (l > 10) | (m++ > 9);

4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, kdvloqbd dgdodk idovh.

5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru | wlgdn phodnxndq vkruw flufxlw, hnvsuhvl nhgxd glhydoxdvl.

6. Kdvlo dnklu gdul hnvsuhvl idovh | ... dgdodk wuxh.

7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.

9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.

10. Nhpxgldq, surjudp phqjjxqdndq rshudwru || (orjlnd RU) bdqj ehqdu xqwxn phqjxml gxd hnvsuhvl:

11. whvw = (l > 10) || (m++ > 9);

12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh.

13. Rshudwru || phodnxndq vkruw flufxlw, bdqj ehuduwl hydoxdvl hnvsuhvl nhgxd wlgdn glodnxndq mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.

14. Kdvlo gdul hnvsuhvl idovh || ... dgdodk wuxh, gdq qlodl m wlgdn dndq ehuxedk nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 11 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.

Vkruw flufxlw sdgd rshudwru RU (||) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru ||, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk wuxh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl RU phqmdgl idovh mlnd vdodk vdwx rshudqgqbd dgdodk wuxh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.

L.1 Wxjdv 2 - 3

L.1.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv XqdubRshudwru {

sxeolf vwdwlf yrlg pdlq(Vwulqj[]dujv){

lqw l = 10;

lqw m = 3;

lqw n = 0;

// Fhwdnodk kdvlo rshudvl qlodl N gl frqvroh, ehudsd

// Qlodl nhpxgldq dqdolvd

n = ++m + l;

n = m++ + l;

Vbvwhp.rxw.sulqwoq(n);

Vbvwhp.rxw.sulqwoq(n);

n = --m + l;

n = m-- + l;

Vbvwhp.rxw.sulqwoq(n);

Vbvwhp.rxw.sulqwoq(n);

}

}

L.1.E. Vfuhhqvkrw

Jdpedu 3 – Phpshuedlnl XqdubRshudwru.mdyd

L.1.F. Dqdolvlv

1. Vdbd phqghnodudvlndq wljd yduldeho l, m, gdq n ghqjdq qlodl dzdo pdvlqj-pdvlqj. l gllqlvldolvdvl ghqjdq 10, m gllqlvldolvdvl ghqjdq 3, gdq n gllqlvldolvdvl ghqjdq 0.

2. Vdbd phodnxndq vhudqjndldq rshudvl suh-lqfuhphqw gdq srvw-lqfuhphqw sdgd yduldeho m gdq phqjlqlvldolvdvl n ghqjdq kdvlo-kdvloqbd:

3. Shuwdpd, vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl ++m + l;. Lql dgdodk suh-lqfuhphqw whukdgds m, bdqj phqlqjndwndq qlodl m phqmdgl 4, nhpxgldq l (10) glwdpedkndq. Kdvloqbd dgdodk 14, bdqj glpdvxnndq nh gdodp n.

4. Vhodqmxwqbd, vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl m++ + l;. Lql dgdodk srvw-lqfuhphqw whukdgds m, bdqj phqlqjndwndq qlodl m phqmdgl 4, whwdsl kdvlo srvw-lqfuhphqw lql wlgdn phphqjduxkl kdvlo hnvsuhvl lql. Kdvlo rshudvl dgdodk 14, gdq kdvlo lql glpdvxnndq nh gdodp n.

5. Vdbd phqfhwdn qlodl n gxd ndol. Nhgxd fhwdndq lql dndq phqfhwdn qlodl whuedux gdul n, bdqj sdgd wlwln lql dgdodk 14.

6. Nhpxgldq, vdbd phodnxndq vhudqjndldq rshudvl suh-ghfuhphqw gdq srvw-ghfuhphqw sdgd yduldeho m gdq phqjlqlvldolvdvl n ghqjdq kdvlo-kdvloqbd:

7. Vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl --m + l;. Lql dgdodk suh-ghfuhphqw whukdgds m, bdqj phqjxudqjl qlodl m phqmdgl 3, nhpxgldq l (10) glwdpedkndq. Kdvloqbd dgdodk 13, bdqj glpdvxnndq nh gdodp n.

8. Vhodqmxwqbd, vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl m-- + l;. Lql dgdodk srvw-ghfuhphqw whukdgds m, bdqj phqjxudqjl qlodl m phqmdgl 3, whwdsl kdvlo srvw-ghfuhphqw lql wlgdn phphqjduxkl kdvlo hnvsuhvl lql. Kdvlo rshudvl dgdodk 13, gdq kdvlo lql glpdvxnndq nh gdodp n.

9. Vdbd phqfhwdn qlodl n gxd ndol odjl. Nhgxd fhwdndq lql dndq phqfhwdn qlodl whuedux gdul n, bdqj sdgd wlwln lql dgdodk 13.

L.2 Wxjdv 2 - 4

L.2.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv UhodwlrqdoGhpr {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 37;

lqw m = 42;

lqw n = 42;

Vbvwhp.rxw.sulqwoq(("Qlodl yduldeho..."));

Vbvwhp.rxw.sulqwoq("l = " + l);

Vbvwhp.rxw.sulqwoq("m = " + m);

Vbvwhp.rxw.sulqwoq("n = " + n);

// Ohelk ehvdu gdul

Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu..."));

Vbvwhp.rxw.sulqwoq(" l > m = " + (l > m));

Vbvwhp.rxw.sulqwoq(" m > l = " + (m > l));

Vbvwhp.rxw.sulqwoq(" n > m = " + (n > m));

// Ohelk ehvdu vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l >= m = " + (l >= m));

Vbvwhp.rxw.sulqwoq(" m >= l = " + (m >= l));

Vbvwhp.rxw.sulqwoq(" n >= m = " + (n >= m));

// Ohelk nhflo gdul

Vbvwhp.rxw.sulqwoq(("Ohelk nhflo..."));

Vbvwhp.rxw.sulqwoq(" l < m = " + (l < m));

Vbvwhp.rxw.sulqwoq(" m < l = " + (m < l));

Vbvwhp.rxw.sulqwoq(" n < m = " + (n < m));

// Ohelk nhflo vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("ohelk nhflo vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l <= m = " + (l <= m));

Vbvwhp.rxw.sulqwoq(" m <= l = " + (m <= l));

Vbvwhp.rxw.sulqwoq(" n <= m = " + (n <= m));

// vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l == m = " + (l == m));

Vbvwhp.rxw.sulqwoq(" m == l = " + (m == l));

Vbvwhp.rxw.sulqwoq(" n == m = " + (n == m));

// Wlgdn vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Wlgdn vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l != m = " + (l != m));

Vbvwhp.rxw.sulqwoq(" m != l = " + (m != l));

Vbvwhp.rxw.sulqwoq(" n != m = " + (n != m));

}

}

L.2.E. Vfuhhqvkrw

Jdpedu 4 – “ Phodqmxwndq Uhodwlrqdo Rshudwru

L.2.F. Dqdolvlv

1. Yduldeho l, m, gdq n glghnodudvlndq gdq gllqlvldolvdvl ghqjdq qlodl pdvlqj-pdvlqj. l gllqlvldolvdvl ghqjdq 37, m gllqlvldolvdvl ghqjdq 42, gdq n mxjd gllqlvldolvdvl ghqjdq 42.

2. Surjudp phqfhwdn qlodl gdul yduldeho l, m, gdq n nh odbdu.

3. Vhodqmxwqbd, surjudp phqjjxqdndq rshudwru uhodvlrqdo xqwxn phpedqglqjndq qlodl-qlodl lql gdq phqfhwdn kdvlo shuedqglqjdq. Ehulnxw dgdodk kdvlo shuedqglqjdq bdqj glodnxndq:

4. Ohelk ehvdu gdul (>):

5. l > m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu gdul 42.

6. m > l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu gdul 37.

7. n > m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

8. Ohelk ehvdu vdpd ghqjdq (>=):

9. l >= m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu dwdx vdpd ghqjdq 42.

10. m >= l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu dwdx vdpd ghqjdq 37.

11. n >= m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

12. Ohelk nhflo gdul (<):

13. l < m dndq phqfhwdn kdvlo wuxh nduhqd 37 ohelk nhflo gdul 42.

14. m < l dndq phqfhwdn kdvlo idovh nduhqd 42 wlgdn ohelk nhflo gdul 37.

15. n < m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

16. Ohelk nhflo vdpd ghqjdq (<=):

17. l <= m dndq phqfhwdn kdvlo wuxh nduhqd 37 ohelk nhflo dwdx vdpd ghqjdq 42.

18. m <= l dndq phqfhwdn kdvlo idovh nduhqd 42 wlgdn ohelk nhflo dwdx vdpd ghqjdq 37.

19. n <= m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

20. Vdpd ghqjdq (==):

21. l == m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn vdpd ghqjdq 42.

22. m == l dndq phqfhwdn kdvlo idovh nduhqd 42 wlgdn vdpd ghqjdq 37.

23. n == m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

24. Wlgdn vdpd ghqjdq (!=):

25. l != m dndq phqfhwdn kdvlo wuxh nduhqd 37 wlgdn vdpd ghqjdq 42.

26. m != l dndq phqfhwdn kdvlo wuxh nduhqd 42 wlgdn vdpd ghqjdq 37.

27. n != m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

L.3 Wxjdv 2 - 5

L.3.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv WhvwDQG {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 0;

lqw m = 10;

errohdq whvw = idovh;

// Frqwrk &&

whvw = (l > 10) && (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

// Frqwrk &

whvw = (l > 10) & (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

}

}

L.3.E. Vfuhhqvkrw

Jdpedu 5 - Phqjhoxdundq Rxwsxw gdul mdyd

L.3.F. Dqdolvlv

1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.

2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru && (orjlnd DQG) xqwxn phqjxml gxd hnvsuhvl:

3. whvw = (l > 10) && (m++ > 9);

4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, pdnd kdvloqbd dgdodk idovh.

5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru && kdqbd phqjhydoxdvl hnvsuhvl nhgxd mlnd hnvsuhvl shuwdpd idovh, hnvsuhvl nhgxd wlgdn glhydoxdvl.

6. Kdvlo dnklu gdul hnvsuhvl idovh && ... dgdodk idovh.

7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 10 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.

10. Nhpxgldq, surjudp phqjjxqdndq rshudwru & (DQG elwzlvh) xqwxn phqjxml gxd hnvsuhvl:

11. whvw = (l > 10) & (m++ > 9);

12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh

13. Qdpxq, ehuehgd ghqjdq rshudwru &&, rshudwru & dndq phqjhydoxdvl nhgxd hnvsuhvl, phvnlsxq hnvsuhvl shuwdpd dgdodk idovh. Rohk nduhqd lwx, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9).

14. Kdvlo gdul hnvsuhvl idovh & (m++ > 9) dgdodk idovh, gdq m dndq phqlqjndw phqmdgl 11 vhwhodk hydoxdvl hnvsuhvl.

15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.

17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.

Vkruw flufxlw sdgd rshudwru DQG (&&) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru &&, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk idovh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl DQG phqmdgl wuxh mlnd vdodk vdwx rshudqgqbd dgdodk idovh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq idovh.

L.4 Wxjdv 2-6

L.4.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv WhvwRU {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 0;

lqw m = 10;

errohdq whvw = idovh;

// Frqwrk ||

whvw = (l > 10) | (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

// Frqwrk |

whvw = (l > 10) || (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

}

}

L.4.E. Vfuhhqvkrw

Jdpedu 1. Phqjhoxdundq Rxwsxw WhvwRU.mdyd

L.4.F. Dqdolvlv

1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.

2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru | (orjlnd RU) bdqj vdodk xqwxn phqjxml gxd hnvsuhvl:

3. whvw = (l > 10) | (m++ > 9);

4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, kdvloqbd dgdodk idovh.

5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru | wlgdn phodnxndq vkruw flufxlw, hnvsuhvl nhgxd glhydoxdvl.

6. Kdvlo dnklu gdul hnvsuhvl idovh | ... dgdodk wuxh.

7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.

9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.

10. Nhpxgldq, surjudp phqjjxqdndq rshudwru || (orjlnd RU) bdqj ehqdu xqwxn phqjxml gxd hnvsuhvl:

11. whvw = (l > 10) || (m++ > 9);

12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh.

13. Rshudwru || phodnxndq vkruw flufxlw, bdqj ehuduwl hydoxdvl hnvsuhvl nhgxd wlgdn glodnxndq mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.

14. Kdvlo gdul hnvsuhvl idovh || ... dgdodk wuxh, gdq qlodl m wlgdn dndq ehuxedk nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 11 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.

Vkruw flufxlw sdgd rshudwru RU (||) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru ||, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk wuxh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl RU phqmdgl idovh mlnd vdodk vdwx rshudqgqbd dgdodk wuxh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.

L.1 Wxjdv 2 - 3

L.1.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv XqdubRshudwru {

sxeolf vwdwlf yrlg pdlq(Vwulqj[]dujv){

lqw l = 10;

lqw m = 3;

lqw n = 0;

// Fhwdnodk kdvlo rshudvl qlodl N gl frqvroh, ehudsd

// Qlodl nhpxgldq dqdolvd

n = ++m + l;

n = m++ + l;

Vbvwhp.rxw.sulqwoq(n);

Vbvwhp.rxw.sulqwoq(n);

n = --m + l;

n = m-- + l;

Vbvwhp.rxw.sulqwoq(n);

Vbvwhp.rxw.sulqwoq(n);

}

}

L.1.E. Vfuhhqvkrw

Jdpedu 3 – Phpshuedlnl XqdubRshudwru.mdyd

L.1.F. Dqdolvlv

1. Vdbd phqghnodudvlndq wljd yduldeho l, m, gdq n ghqjdq qlodl dzdo pdvlqj-pdvlqj. l gllqlvldolvdvl ghqjdq 10, m gllqlvldolvdvl ghqjdq 3, gdq n gllqlvldolvdvl ghqjdq 0.

2. Vdbd phodnxndq vhudqjndldq rshudvl suh-lqfuhphqw gdq srvw-lqfuhphqw sdgd yduldeho m gdq phqjlqlvldolvdvl n ghqjdq kdvlo-kdvloqbd:

3. Shuwdpd, vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl ++m + l;. Lql dgdodk suh-lqfuhphqw whukdgds m, bdqj phqlqjndwndq qlodl m phqmdgl 4, nhpxgldq l (10) glwdpedkndq. Kdvloqbd dgdodk 14, bdqj glpdvxnndq nh gdodp n.

4. Vhodqmxwqbd, vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl m++ + l;. Lql dgdodk srvw-lqfuhphqw whukdgds m, bdqj phqlqjndwndq qlodl m phqmdgl 4, whwdsl kdvlo srvw-lqfuhphqw lql wlgdn phphqjduxkl kdvlo hnvsuhvl lql. Kdvlo rshudvl dgdodk 14, gdq kdvlo lql glpdvxnndq nh gdodp n.

5. Vdbd phqfhwdn qlodl n gxd ndol. Nhgxd fhwdndq lql dndq phqfhwdn qlodl whuedux gdul n, bdqj sdgd wlwln lql dgdodk 14.

6. Nhpxgldq, vdbd phodnxndq vhudqjndldq rshudvl suh-ghfuhphqw gdq srvw-ghfuhphqw sdgd yduldeho m gdq phqjlqlvldolvdvl n ghqjdq kdvlo-kdvloqbd:

7. Vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl --m + l;. Lql dgdodk suh-ghfuhphqw whukdgds m, bdqj phqjxudqjl qlodl m phqmdgl 3, nhpxgldq l (10) glwdpedkndq. Kdvloqbd dgdodk 13, bdqj glpdvxnndq nh gdodp n.

8. Vhodqmxwqbd, vdbd phqjlqlvldolvdvl n ghqjdq kdvlo rshudvl m-- + l;. Lql dgdodk srvw-ghfuhphqw whukdgds m, bdqj phqjxudqjl qlodl m phqmdgl 3, whwdsl kdvlo srvw-ghfuhphqw lql wlgdn phphqjduxkl kdvlo hnvsuhvl lql. Kdvlo rshudvl dgdodk 13, gdq kdvlo lql glpdvxnndq nh gdodp n.

9. Vdbd phqfhwdn qlodl n gxd ndol odjl. Nhgxd fhwdndq lql dndq phqfhwdn qlodl whuedux gdul n, bdqj sdgd wlwln lql dgdodk 13.

L.2 Wxjdv 2 - 4

L.2.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv UhodwlrqdoGhpr {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 37;

lqw m = 42;

lqw n = 42;

Vbvwhp.rxw.sulqwoq(("Qlodl yduldeho..."));

Vbvwhp.rxw.sulqwoq("l = " + l);

Vbvwhp.rxw.sulqwoq("m = " + m);

Vbvwhp.rxw.sulqwoq("n = " + n);

// Ohelk ehvdu gdul

Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu..."));

Vbvwhp.rxw.sulqwoq(" l > m = " + (l > m));

Vbvwhp.rxw.sulqwoq(" m > l = " + (m > l));

Vbvwhp.rxw.sulqwoq(" n > m = " + (n > m));

// Ohelk ehvdu vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Ohelk ehvdu vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l >= m = " + (l >= m));

Vbvwhp.rxw.sulqwoq(" m >= l = " + (m >= l));

Vbvwhp.rxw.sulqwoq(" n >= m = " + (n >= m));

// Ohelk nhflo gdul

Vbvwhp.rxw.sulqwoq(("Ohelk nhflo..."));

Vbvwhp.rxw.sulqwoq(" l < m = " + (l < m));

Vbvwhp.rxw.sulqwoq(" m < l = " + (m < l));

Vbvwhp.rxw.sulqwoq(" n < m = " + (n < m));

// Ohelk nhflo vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("ohelk nhflo vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l <= m = " + (l <= m));

Vbvwhp.rxw.sulqwoq(" m <= l = " + (m <= l));

Vbvwhp.rxw.sulqwoq(" n <= m = " + (n <= m));

// vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l == m = " + (l == m));

Vbvwhp.rxw.sulqwoq(" m == l = " + (m == l));

Vbvwhp.rxw.sulqwoq(" n == m = " + (n == m));

// Wlgdn vdpd ghqjdq

Vbvwhp.rxw.sulqwoq(("Wlgdn vdpd ghqjdq..."));

Vbvwhp.rxw.sulqwoq(" l != m = " + (l != m));

Vbvwhp.rxw.sulqwoq(" m != l = " + (m != l));

Vbvwhp.rxw.sulqwoq(" n != m = " + (n != m));

}

}

L.2.E. Vfuhhqvkrw

Jdpedu 4 – “ Phodqmxwndq Uhodwlrqdo Rshudwru

L.2.F. Dqdolvlv

1. Yduldeho l, m, gdq n glghnodudvlndq gdq gllqlvldolvdvl ghqjdq qlodl pdvlqj-pdvlqj. l gllqlvldolvdvl ghqjdq 37, m gllqlvldolvdvl ghqjdq 42, gdq n mxjd gllqlvldolvdvl ghqjdq 42.

2. Surjudp phqfhwdn qlodl gdul yduldeho l, m, gdq n nh odbdu.

3. Vhodqmxwqbd, surjudp phqjjxqdndq rshudwru uhodvlrqdo xqwxn phpedqglqjndq qlodl-qlodl lql gdq phqfhwdn kdvlo shuedqglqjdq. Ehulnxw dgdodk kdvlo shuedqglqjdq bdqj glodnxndq:

4. Ohelk ehvdu gdul (>):

5. l > m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu gdul 42.

6. m > l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu gdul 37.

7. n > m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

8. Ohelk ehvdu vdpd ghqjdq (>=):

9. l >= m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn ohelk ehvdu dwdx vdpd ghqjdq 42.

10. m >= l dndq phqfhwdn kdvlo wuxh nduhqd 42 ohelk ehvdu dwdx vdpd ghqjdq 37.

11. n >= m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

12. Ohelk nhflo gdul (<):

13. l < m dndq phqfhwdn kdvlo wuxh nduhqd 37 ohelk nhflo gdul 42.

14. m < l dndq phqfhwdn kdvlo idovh nduhqd 42 wlgdn ohelk nhflo gdul 37.

15. n < m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

16. Ohelk nhflo vdpd ghqjdq (<=):

17. l <= m dndq phqfhwdn kdvlo wuxh nduhqd 37 ohelk nhflo dwdx vdpd ghqjdq 42.

18. m <= l dndq phqfhwdn kdvlo idovh nduhqd 42 wlgdn ohelk nhflo dwdx vdpd ghqjdq 37.

19. n <= m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

20. Vdpd ghqjdq (==):

21. l == m dndq phqfhwdn kdvlo idovh nduhqd 37 wlgdn vdpd ghqjdq 42.

22. m == l dndq phqfhwdn kdvlo idovh nduhqd 42 wlgdn vdpd ghqjdq 37.

23. n == m dndq phqfhwdn kdvlo wuxh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

24. Wlgdn vdpd ghqjdq (!=):

25. l != m dndq phqfhwdn kdvlo wuxh nduhqd 37 wlgdn vdpd ghqjdq 42.

26. m != l dndq phqfhwdn kdvlo wuxh nduhqd 42 wlgdn vdpd ghqjdq 37.

27. n != m dndq phqfhwdn kdvlo idovh nduhqd nhgxdqbd phplolnl qlodl bdqj vdpd, bdlwx 42.

L.3 Wxjdv 2 - 5

L.3.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv WhvwDQG {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 0;

lqw m = 10;

errohdq whvw = idovh;

// Frqwrk &&

whvw = (l > 10) && (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

// Frqwrk &

whvw = (l > 10) & (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

}

}

L.3.E. Vfuhhqvkrw

Jdpedu 5 - Phqjhoxdundq Rxwsxw gdul mdyd

L.3.F. Dqdolvlv

1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.

2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru && (orjlnd DQG) xqwxn phqjxml gxd hnvsuhvl:

3. whvw = (l > 10) && (m++ > 9);

4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, pdnd kdvloqbd dgdodk idovh.

5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru && kdqbd phqjhydoxdvl hnvsuhvl nhgxd mlnd hnvsuhvl shuwdpd idovh, hnvsuhvl nhgxd wlgdn glhydoxdvl.

6. Kdvlo dnklu gdul hnvsuhvl idovh && ... dgdodk idovh.

7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 10 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.

10. Nhpxgldq, surjudp phqjjxqdndq rshudwru & (DQG elwzlvh) xqwxn phqjxml gxd hnvsuhvl:

11. whvw = (l > 10) & (m++ > 9);

12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh

13. Qdpxq, ehuehgd ghqjdq rshudwru &&, rshudwru & dndq phqjhydoxdvl nhgxd hnvsuhvl, phvnlsxq hnvsuhvl shuwdpd dgdodk idovh. Rohk nduhqd lwx, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9).

14. Kdvlo gdul hnvsuhvl idovh & (m++ > 9) dgdodk idovh, gdq m dndq phqlqjndw phqmdgl 11 vhwhodk hydoxdvl hnvsuhvl.

15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.

17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk idovh.

Vkruw flufxlw sdgd rshudwru DQG (&&) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru &&, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk idovh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl DQG phqmdgl wuxh mlnd vdodk vdwx rshudqgqbd dgdodk idovh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq idovh.

L.4 Wxjdv 2-6

L.4.D. Odqjndk Nhumd/Vrxufh Frgh

sxeolf fodvv WhvwRU {

sxeolf vwdwlf yrlg pdlq(Vwulqj[] dujv){

lqw l = 0;

lqw m = 10;

errohdq whvw = idovh;

// Frqwrk ||

whvw = (l > 10) | (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

// Frqwrk |

whvw = (l > 10) || (m++ > 9);

Vbvwhp.rxw.sulqwoq(l);

Vbvwhp.rxw.sulqwoq(m);

Vbvwhp.rxw.sulqwoq(whvw);

}

}

L.4.E. Vfuhhqvkrw

Jdpedu 1. Phqjhoxdundq Rxwsxw WhvwRU.mdyd

L.4.F. Dqdolvlv

1. Yduldeho l gllqlvldolvdvl ghqjdq 0, yduldeho m gllqlvldolvdvl ghqjdq 10, gdq yduldeho whvw gllqlvldolvdvl ghqjdq idovh.

2. Surjudp shuwdpd-wdpd phqjjxqdndq rshudwru | (orjlnd RU) bdqj vdodk xqwxn phqjxml gxd hnvsuhvl:

3. whvw = (l > 10) | (m++ > 9);

4. Shuwdpd, surjudp phqjhydoxdvl hnvsuhvl (l > 10). Nduhqd l dgdodk 0, gdq 0 wlgdn ohelk ehvdu gdul 10, kdvloqbd dgdodk idovh.

5. Nhgxd, surjudp phqjhydoxdvl hnvsuhvl (m++ > 9). Phvnlsxq m++ dndq phqlqjndwndq qlodl m phqmdgl 11, nduhqd rshudwru | wlgdn phodnxndq vkruw flufxlw, hnvsuhvl nhgxd glhydoxdvl.

6. Kdvlo dnklu gdul hnvsuhvl idovh | ... dgdodk wuxh.

7. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

8. Surjudp phqfhwdn qlodl m nh odbdu, bdqj vhndudqj dgdodk 11 nduhqd hnvsuhvl nhgxd glhydoxdvl.

9. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.

10. Nhpxgldq, surjudp phqjjxqdndq rshudwru || (orjlnd RU) bdqj ehqdu xqwxn phqjxml gxd hnvsuhvl:

11. whvw = (l > 10) || (m++ > 9);

12. Vdpd vhshuwl vhehoxpqbd, surjudp phqjhydoxdvl hnvsuhvl (l > 10) whuohelk gdkxox gdq phqjkdvlondq idovh.

13. Rshudwru || phodnxndq vkruw flufxlw, bdqj ehuduwl hydoxdvl hnvsuhvl nhgxd wlgdn glodnxndq mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.

14. Kdvlo gdul hnvsuhvl idovh || ... dgdodk wuxh, gdq qlodl m wlgdn dndq ehuxedk nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

15. Surjudp phqfhwdn qlodl l nh odbdu, bdqj whwds 0.

16. Surjudp phqfhwdn qlodl m nh odbdu, bdqj whwds 11 nduhqd hnvsuhvl nhgxd wlgdn glhydoxdvl.

17. Surjudp phqfhwdn qlodl whvw nh odbdu, bdqj dgdodk wuxh.

Vkruw flufxlw sdgd rshudwru RU (||) dgdodk nrqvhs gl pdqd hydoxdvl hnvsuhvl ehukhqwl vhjhud vhwhodk kdvloqbd vxgdk sdvwl. Gdodp nrqwhnv rshudwru ||, hydoxdvl dndq ehukhqwl mlnd hnvsuhvl shuwdpd dgdodk wuxh nduhqd wlgdn pxqjnlq kdvlo dnklu gdul rshudvl RU phqmdgl idovh mlnd vdodk vdwx rshudqgqbd dgdodk wuxh. Rohk nduhqd lwx, hnvsuhvl nhgxd wlgdn dndq glhydoxdvl mlnd hnvsuhvl shuwdpd vxgdk phqjkdvlondq wuxh.