

Sensing Computers: The Impact of Increased Information on Consequentiality

r tqi tco o lpi 'kugrh'j cxg'uj kugf 0J qy gxgt."j kugtkecnvgzu'umi i guv'j cv'j g'lf gcmi'qh'r tqdigo /uqmkpi . cpcn' kecn'j kpmki .'cpf "etgcvkkv'j cv'uj cr g'j g f kuekrkpg'j cxg'eqpuukpgv'j ej ctcevgtk' gf 'j qy r tqi tco o lpi 'ku'cwi j v'cpf 'j qy 'r tqi tco o gtu'ugg'j go ugkgu0

Hqt'o { 'r tqlgev 'Ktcegf 'j gug'lf gcmi'cmqpi ulf g'gej pqmki lecnf gxgmqr o gvw'lp"eqo r wgt 'uekgpeeg dghqtg"eqpukf gtkpi 'j qy "cpcn' lpi 'j g'gxr gtlkpegv'qhr tqi tco o gtu'cetquu'j g'{ gctu'ecp "txgcrko r qtvcpv lk pukwwkqp0 Dqy f qk0

Eqngi g0O { "cpcn' uk'cmiq'hqewigui'qp"lpu0 j u'htqo

kpgtxkgy u'y kj 'Dqy f qk0'Eeqo r wgt 'Uekpeg'hcewm' cpf uwf gpwu."cu'y gm'cu'y kj 'w q'ugpkqt r tqi tco o gtu0k0'uj qtvt'o { 'r cr gt'j ki j nki j u'j g'lo r nkecvkpu qh'f gxgmqr o gvw'lp'r tqi tco o lpi 'hjt'j g tgnvkkpuj kr "dgw ggp'r tqi tco o gt'cpf "eqo r wgt."lf gcmi cpf 'tgcrlkgu'j cv'uj cr g'j g'f kuekrkpg."cpf 'j g lo r qtvcpeg"qh'go r j cu0l kpi 'j g'r tqi tco o gt'0l gxr gtlkpeg0

Klgr ctcvgf 'o { 'tgugctej 'kpq'j tgg'r j cugugzv0. ctej kxgu."cpf 'kpgtxkgy u0Kdgi cp'd{ 'tgcf lpi j kugtkecnly qtmu'qp'j g'j kugt{ 'qh'eqo r wkpi 'ur cplki v'j g'pkpgvppj "egpwt { 'q'j g'r tgugpvfc{ "cu'y gmcu vgzvdqqmi"cpf 'o go qktu'd{ 'r tqi tco o lpi 'r kpggtu"cpf gxr gtv0P gzw.'Keqpf wevgf "ctej kxcn'tgugctej "cv'j g Dqy f qk0'Eeqmgi g'F gr 0qh'Ur gekcn'Eeqmgevkpu"l 'Ctej kxgu v'ces wktg'phqto cvkqp'cdqw'eqo r wkpi "cv Dqy f qk0'ulpeg'j g'3; 82u0k0'o { 'j ktf 'r j cug."Kf gulk pgf cpf 'ecttkgf "qwh'kpgtxkgy u'y kj 'Dqy f qk0 Eeqo r wgt 'Uekpeg'hcewm' cpf 'uwf gpwu'q'i cvj gt"qr lpkqpu cdqw'ej cpi gu'lp"eqo r wgt 'uekgpeeg"cpf 'j g r tqi tco o gt'0l gxr gtlkpeg0

K'0 { 'r cr gt.'wkpi 'hlpf lpi u'htqo "o { 'j kugtkecn'tgcf lpi u. Kgo r j cu0l g'j qy .'ulpeg'ku'qtki lpu. r tqi tco o lpi 'j cu'dggp'hco gf "cu'c'hlgrf 'i tcpvklpi 'hko kuguu r quuldklkkgu0P gzw.'i ngcpkpi 'htqo 'tgcf lpi u. ctej kxgu."cpf 'kpgtxkgy u.'Kcnq'gzco kpg'j qy 'j g'eqo r wgt ku'f guetldgf "cu'j g'r tqi tco o gt'0l'qqn'uj qy j qy "cp'kpetgckpi 'co qwpv'qhl'r tqi tco o lpi 'y qtmkl'dgkpi qhmqcf gf 'q'j g'eqo r wgt."cpf 'eqpukf gt'j qy j qy 'j ku'uj cr gu'j g'r quuldklkkgu'j cv'ctg"qr gp"q'r tqi tco o gtu0Kgxr mqtg'j qy 'r tqi tco o gtu."gf wecvqtu."cpf qj gtu'f guetldg'r tqi tco o lpi .'uj qy lpi 'j qy 'r tqi tco o lpi 'ku'wnko cvgn'htco gf "cu'c"o qf g"qh'j kpmki 'j cv tgs wktgu'etgcvkg'r tqdigo /uqmkpi 'unkmu0Kj gp'dgi lk v'q'eqpukf gt'j qy 'j g'lf gcmi'qh'r tqi tco o lpi 'j cxg r n{ gf "qwh'qxt'lo g.'hgewkpi 'qp'j qy 'gej plecn'gxqnwkpu j cxg'cngrgf 'j g'r tqi tco o gt'0l'cdkdv'j v'q tgeqi pk0 g.'tceg."cpf 'uqmk'ggtqtu"cpf 'hwrhkn'l'j gkt tqrg"cu'r tqdigo /uqmkgtu="Kcnq'wug'tgcf lpi u"cpf kpgtxkgy u'q's wgu0kqp'j qy 'gej plecn'ej cpi gu'j cxg ko r cevgf "y j cv'kvhggm'hnkg"q'r tqi tco 0Vj g'hlpcn ugevkqp"qh'o { 'r cr gt'eqpukf gtu'j qy "o { "cpcn' uk'hlku kpq'j g'f g'lcrlkgu'j hq'eqo r wkpi "cu"cp"gxgt/gxqmkpi f kuekrkpg."cpf 'Keqpenf g'd{ 'htco lpi 'o { "cpcn' uk'lp'j g'eqpvzv'qh'CKcpf "cwqo cvkqp0

Cu'eqo r wgtu'cdutd"cp'kpetgcu0f "co qwpv'qhl'r tqi tco o lpi vcumu."r tqi tco o gtu'y kmf'pggf "q ectghwm'f grkpgcvg'j g'lo r qtvcpeg"qh'j gkt tqrg0Vj g'gzvgpv'q'y j lej 'j g{ 'tgo ck'0lk'j g'hlqr ö'y kmf gr gpf lk'r ctv'qp'etgcvklpi 'pgy "f ghkpkukpu'qht'j g'kvg ql'or tqi tco o gtö"cpf 'qp'lgf ghkpkpi 'j g'tqrg"qh r tqi tco o gtu"cpf 'j gkt tqrg'qht'j g'eqo r wgtu0

Faculty Mentor: Professor Crystal Hall

Funded by the Surdna Foundation Undergraduate Research Fellowship