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1
  Amir-Everigneev 2013
Madel NER investors
       K72 ousets (short-lived)
      Xt = 1 Xt : Xix) e R. * - ROLLIESTER EQUALLY RAMSON by averilal y Theirsepa i.
      ХЕ, 30 - короткие продаши запрещеных
      Pt = (Pt. - Pt. x) - yeur ja egunny avarla K=1 K
      Prixi> = 2 Par Kink
      Vex (84) >0 - KOMUTECTO EQUILING RENES IL MA pONUE & gay t.
      Я-спуч фактр, описованочум состание мира в монаит с
      st= (se-se) - nerghus everogueur mupa
      ALX(8") 70 - bonning or equilyon is to chemica & consistent stalls se)
     & ALLEST) >0, & List - Theoryen Trause yenobuse
     We >0 - Maranenda Ranuran oro urpora
     5 AL (54) X2 > - KOMERAN E-20 UZPOKA & MONEROT t.
     A_{k} = (A_{k+1} - A_{k+1}) \in \Delta^{k} = \{(a_{k+1} - a_{k+1}) \in R_{k+1} \in R_{k+1} : a_{k+1} + a_{k+1}\} - (benaforbase beet kanusan)
     2 = 120) i = 1... N, l=0... t-1 - ucropus uspor.
   Day Montfolio rule for an investment strategy) 1 - muo beerof 10 c & u noen-le
         Upreprimax que que Nilst; 7th) ; t=1,2...
                            (Se St) (70), i=1. N; l=0. t-1.
       Pasie strategy - Takoe 1/2, Koropoe Jabueur ronsuo or 5th, no see or
                          neropen urpa 9t1
                    Jak Woi / c=1,2... x - orchoga maxogures yeur pox
   crounises beens
    con la acrillage cuentino bie Theorgapor
                    bnowner & arnib K
                   к-12 к -отенда находин разнера пориции хок
В кашеры можем времени, цена находитья из равенева спраса и предложене
  Ptik VEIK = E TEK KAE : Ken > 19)
> Ktik = Atik Ati Ken > 15) K=1, ... K
ent. Admissible strategy profiles - no Te, Koropae neubegar x Meorphy arenoun
       YEHAM PELK , UNU, AR RUBA NEURIO, NEOFF aggregate demand & TEK At KE'S
     Doer yenobere, 41081 strategy profile our admissible- 900 lear les theistepe e noncoepis
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Main results
   (N', N") - admissible strategy profile
   Mi= Hi(84) = < Ae(84), Ken (847)
    We = E Nie = E Mix (st) Volik (st) > 0 - MONNERS KOMUTEN MOTHES
    12 - NE - ORIOGIPARINE KANIMAN
            to genyenemon apopune Int M", esparenus 11- Covudarous
            eene int 12 >0 4.5
             The Annist Vermisty - relative payoffs
   Rtiels = ALKESYVELK (5")
   Rx189 = 1Revels 9, ... Rxx (54)
   A * 184 = E Rose (8++1) - DEDTY NUCE Kelly portfolio rule, of "petting your peties"
   Mysumo Eln El Rusik (5 th) > - S - YIDAN Ex Rusik = El Rusik (5t) DONO > OAH.
  respected The portpolio rile 1 + 15 a survival strategy.
            B KNOW Eagobax ! I ( F.E Jalues 14 ux or 5t, no me jabues year or 7 01)
  Techeung 2
             Coparenus, 1+= 12+) - Equiertenua;
              if N=17e) is a basic survival strategy, men
               £ 11 2x - 21/2 00 95
           no l'enace ne dapolox espererent N*- nee egun chemia,
                 u puloquies apunes! U yob. O "single suminor" Touce me uccupillas
Teoperas & sm, Nm, Dajoboe pontpollo rule At (5"), At (5", 5tm+1)
           mu boxulawyas esparence & nogarpe Em (5m; Nm)
w=(s1, s2...) - space of paths
P(dw) = ps(dss) pr(ss, dsr) pr(st, dsr)
8m Ha = 141 1 MM
S', Wm = (Nm! . Wm)
Sm+s = (Sm+s; ... St) - Odjuganu go m benorumentus
Gm (sm; Nm) - nogorpo; marunarouparar uj Nm; i=1 ~
C Mepor Pm (dwgm) := pm+ (5" jolsmen) pt+ (5" smill elser) the wsm = (Smillsmer-
 C bonnaramu At (stmes) = At (5 m; stmes) it a mes 4 character Amuni "mit (Smes i 2m).
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My Et lin Kers - lin Kt = Et lin Kt Rt = Et lin Kt Rt Rt | Noil |

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= 2 Rik In Alie - 2 The lon [ The Kx + The (1-Kx)] > 0.
                                              THE ZE ON BROKT & ON BURE
                                               [4- RO TUOJEG)
                                               Dulphal = E" pi log to = 0.
   Dance, K++1 = Ke 2 R++5, K. 14K
                                           Kenter (min 2000) = Ke (min 2000)
    Emin by 2 m >- 00 ; ke 70 > Elle ke 1 000
    > ln 4 - eyomapanuan, on oup > exogures
        > luky >-∞ > K4- e lakt > e-0=0. => A+ - BoxuBaryas.
  Don to respect 1 = 12) - basic survival strategy
                   Myen M. M. = N*= ( h*), a NN- BOT 949 gpyras baxubanyas
         Ma 1 = 12 + + 12 N-1
            => | Feet = Ex Rettike New TE Now (1-1)
           1-1-1 = E RHAK MER (1-12)
                              New 121 + Next 11-121)
       Te ran bygro y nac gla urpona Pt. The It Te Tt 4 Tt.
           MO A - survival => TEN = 1-Pet = Fet 20 orgenier or nyme n.ce.
       My T. S. E. In Ker, - love = & her In her - 2 her la [ Ten Ke + Ten (1-Ke)]
               суммирум это,
        A eure & ar la ar 2 ar la bu 7. f. 2 law-bu)2
           > CYNNA Mpabox racreiz 2 2 2 1/4 - 74 1 46-1411-46)] = 2 11-45 11 76 - 76111
                gonqua Birth remercion c dep-on 1 to 2000 survival => = 1/h + 7/1/co.
Данво теорения з выски Ми) - идонордна изначальной ире, но с пирой Ри внегар.
             => 1+ (5m, 5t) = & Pers (5m; 8tm; allers) Rt+1 (5m; 5m+1) = E [Ktrs (57:5m+1) 3m+1],
                 nge Est. 18th ] - you overgoner no repe Pasm
                 > 7x+18"; ) - Nolly rule > survival strategy
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 $S_{1}; S_{2}...$   $S_{t} \in S_{1}; 2\frac{1}{2}$   $P_{2} S_{t} - 13 = \frac{1}{3}; P_{1} S_{t} = 2\frac{3}{3}$   $V_{t,k}(S^{t}) = 3, \forall t, S^{t}, K$   $A_{t,k}(S^{t}) = A_{k}(S_{t}), \text{ age } A(1) = |A_{1}(1), A_{2}(1)| = |A_{1}(1)|$   $A(2) = |A_{1}(2)|, |A_{2}(1)| = |A_{1}(2)|$   $A(3) = |A_{1}(2)|, |A_{2}(1)| = |A_{1}(2)|$  $A(3) = |A_{1}(2)|, |A_{2}(2)| = |A_{1}(2)|$ 

1 = E RISHED = ERISHED = 15, 3)

DACEN B = 2 + & D2 NNU BO TED2, E La, R(S)> =1; a & T.

Hanpurup, com 8=14;3), TO F= 6 (9;4-05): 0 = 9, = 4 },

THE E  $\langle a_1 R(s) \rangle = \frac{1}{3} \frac{q_1}{l_1} + \frac{1}{3} \frac{a_2}{l_2} = \frac{4}{3} a_1 + \frac{8}{3} (1 - 0_1) = \frac{4a_1 + 8}{g} \le 1$ , least  $a_1 \le \frac{1}{3}$ 

U cuhigenum exparenum mus  $\Lambda_i^{1}(s^t; \lambda^{t+1})$  Tax:  $\Lambda_o^{2} = \theta$ ,  $\Lambda_i^{1}(\lambda^{2}; \lambda_{t-1}) = \int \theta$ , senu  $\Lambda_o^{2} \in \Gamma$ ,  $\ell = 0$ . t-1

HOR TORON WHOM & supart esparering by T- MOT urpaced b, a
KON TORONO WHOM & bonegaet by T- MOT Represent MA 1\*

4ml Pontfolio rule At 120 2 2 Survival etrategy

(285): 78 184 ET V 65t - phunep corporerues, na recorpor 2 to Benga - B, 44

Don-bo: 1 = 2 RK/Se+4) Acie 1/2 (=+1,2.

UNDER V 12 - ME - U GORALUEN, MAD & - OF Chepry N. U. T. e 12 1 Orgenous or ugas

Oboque 7 = 7182;82 ) - moment, reaga Ix \$1, 72, cr. (unare 00)

Eunu Y=00: Tens = Ptens To, age Prens = 4 At, RISERS) - 2 Ao; RISES TER (SER) SE

ECNU 7205; 8+1= d+1. A = (AtiR(St+1)) (Anoni: R(St+2)) (Ati) R(St+1)) (BiR(St))

(Ati) R(St+2) (BiR(St+1)) (BiR(St+1)) (BiR(St))

Fix some DET The Jones ALL F · Econs T=00, TO Pers - Bers 1 nge Bers = (At, RISMS)> 170, RISE)> <8; R(Se+4)> 18, RISA)> BE- MEOSP CYNEPHERPHINOON, THE ELECTION = BE ( 20, RIS) = Fre. 10 = 72 (54) ET) > Fit-cxog => orp. a.s · Ecnu r= 0, TO to = Peto = Fito - Touce orf as Danes, by - neof expression, The Elders 154 - dy (29; RIS)) = de, age a - (01,00) = nels by  $\frac{1}{23^{+},R(s)} = \frac{1}{3} \frac{\langle a_{1}^{2},R(1) \rangle}{\langle a_{1}^{+},R(1) \rangle} = \frac{1}{3} \frac{\langle a_{1}^{2},R(1) \rangle}{\langle a_{1}^{+},R(1) \rangle} = \frac{1}{3} \frac{q_{1}}{|A|^{2}} + \frac{q_{1}}{3} \frac{q_{2}}{|A|^{2}} = 1.$ > de - Och 114. => sup to = 8 sup hers 200 mm => 8t -orp nn => NET-S- garriral strangy, NO MAN FROM TE = B + 2 + HLIST 4th Portfolio rule is a survival strategy => it is unhearable. ( Exparerus 1 - unbentable, come y gonyenimoro nhoquins esparerus Mine IN CNEN, ween wilnting NN & wilnting NN HITE nge to pod, eenu I eryr benurung Hro: de & Hpt nu. Doubon Mi = Mi Wi > Wi to right tj ti form Marena, coo > Mi > Chiachi bj > Mi = Mi. Gene Kis & HULI gas were HOO, TO WE & [(N+) H+2] NE => NE > [(N-1) H+1] n.c.