## M $\alpha \vartheta \eta \mu \alpha \tau เ x \dot{~ X р \eta \mu \alpha \tau о о เ х о \nu о \mu เ к ท ่ ~ \Theta \varepsilon \omega р i \alpha ~}$ <br> इЕМФЕ, 27-8-2014.


 $\left\{\Delta_{0}, \Delta_{1}, \ldots, \Delta_{T}\right\}$, о́точ $\Delta_{0}=\{\mathbf{S}\}$ каı $\Delta_{T}=\{\{1\},\{2\}, \ldots,\{S\}\}$.
 кal $F_{t} \eta$ á $\lambda \gamma \in \beta \rho a$ поч парá $є \epsilon \tau a \imath$ a $\pi o ́ ~ \tau \eta ~ \Delta_{t}$, тóтє
(i) $\pi 0 \imath o ́ ~ \epsilon i ́ v a l ~ \tau o ~ \sigma v ́ \nu o \lambda o ~ \tau \omega \nu ~ \mu \epsilon \tau \rho \eta ́ \sigma \iota \mu \omega \nu ~ \sigma v \nu a \rho \tau \eta ́ \sigma \epsilon \omega \nu ~ \omega \varsigma ~ \pi \rho o \varsigma ~ \tau \eta \nu ~ F_{t}$,





 $\{\mathbf{S}\}, \Delta_{1}=\{\{1,2,3,4\},\{5,6,7,8\}\}$, $\Delta_{2}=\{\{1,2\},\{3,4\},\{5,6\},\{7,8\}\}, \Delta_{3}=\{\{1\},\{2\},\{3\},\{4\},\{5\},\{6\},\{7\},\{8\}\}$.




 $t=3$, va т $\mu о \lambda о \gamma \eta \vartheta \epsilon i ́$ то $W \tau \eta$ Хроขıкウ́ $\sigma \tau \eta \gamma \mu \dot{\prime} t=0$.



 $\lambda \eta ́ \xi \eta S t=2$.
(i) Na тı $\quad$ (i) $a_{\xi} a\left(\xi^{\prime}\right)+(1+r) b_{\xi}$
 натоs

 кúpla סıaчoคá $\mu \in \tau a \xi v ́ \tau \omega \nu$ סıкаı $\omega \mu a ́ \tau \omega \nu$ проаíp $\sigma \eta S$ (call options кaı put options) каı $\tau \omega \nu \in \xi \omega \tau \iota \kappa \omega ́ \nu ~ \delta \iota \kappa a \imath \omega \mu a ́ \tau \omega \nu$;
(ii) $A \nu \mathbf{S}=\{1,2,3,4,5,6\}, \mathbf{T}=\{0,1,2,3\}, \Delta_{0}=\{\mathbf{S}\}, \Delta_{1}=\{\{1,2\},\{3,4,5,6\}\}$, $\Delta_{2}=\{\{1,2\},\{3,4\},\{5,6\}\}$,





 $\tau \eta ~ \chi \rho о \nu ı \kappa \dot{\prime} \sigma \tau \eta \mu \mu \dot{\eta} t=2$.

$$
3 \cdot 1+3 \cdot 3+\frac{2}{3} \cdot 2+\frac{2}{3} 7
$$















| $\eta \mu \epsilon ́ \rho a$ | ті $\mu \dot{\prime}$ $\mu \in \tau 0 \chi$ и́s | к $́ \rho \delta \delta O S$ $\mu \in \tau \sigma \chi$ и́s | кє́p $\delta O S$ $\epsilon \pi \epsilon \nu \delta u \tau \eta$ | ú $\psi 0$ S єyみúnons |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 10.0 | - | - | 20.000 | - |
| 1 | 9.0 |  |  |  |  |
| 2 | 8.5 |  |  |  |  |
| 3 | 9.5 |  |  |  |  |
| 4 | 10.5 |  |  |  |  |
| 5 | 11.0 |  |  |  |  |
| 6 | 10.5 |  |  |  |  |
| 7 | 11.5 |  |  |  |  |
| 8 | 11.0 |  |  |  |  |

$K \alpha \lambda \eta \dot{\eta} E \pi \iota \tau \cup \chi i \alpha$.

