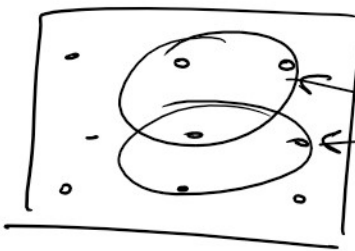


ΔΕΙΓΜΑΤΙΩΣ ΧΡΩΣ

ΟΡΙΣΜΟΣ 1.2

1) ΔΕΙΓΜΑΤΙΩΣ ΧΡΩΣ (Ω.Χ.) Ω είναι το σύνολο όλων των δυνατών αποτελεσμάτων ενός τυχαίου πειράματος



Ω

ΕΝΔΕΧΟΜΕΝΑ

- 2)  $A \subseteq \Omega$  ΕΝΔΕΧΟΜΕΝΟ (EVENT)
- 3)  $A \subseteq \Omega$   $A = \{\omega\}$  ΣΤΟΧΕΙΡΩΔΕΙ ΕΝΔΕΧΟΜΕΝΟ
- 4)  $A, B: A \cap B = \emptyset$   $A, B$  ΞΕΝΑ (MUTUALLY EXCLUSIVE)

ΠΑΡΑΔΕΙΓΜΑ 1.3

$\Omega = \{k, r\}$  ← Ω.Χ.



ΠΑΡΑΔΕΙΓΜΑ 1.4

$\Omega = \{kk, kr, rk, rr\}$  ← Ω.Χ.

ΕΝΔΕΧΟΜΕΝΑ:

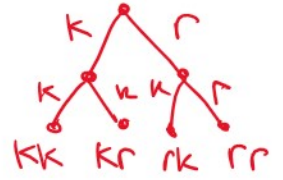
$\emptyset, \Omega, \{kk, kr\}$  = "1 ο κερνά κερνά"

$A = \{kr, rk\}$  = "οχι ίδια"



$$A = \{KR, RR\} = \text{"0x1 1x1A"}$$

$$B = \{KK, RR\} = \text{"1x1A"} \quad A \cap B = \emptyset$$



ΠΑΡΑΔΕΙΓΜΑ 1.5

$$R = \{BB, BG, GB, GG\}$$

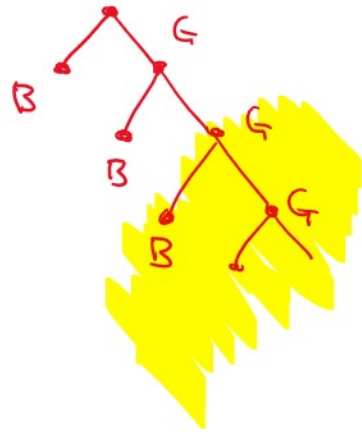


$$R = \left\{ \begin{array}{l} \overbrace{BB \dots B}^m \\ \underbrace{GG \dots G} \end{array} \right\} \quad 2^m$$

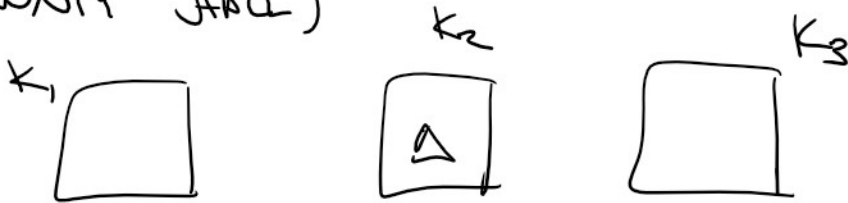


ΠΑΡΑΔΕΙΓΜΑ 1.6

$$R = \left\{ \begin{array}{l} B, \quad GB, \quad GGB, \quad GGG, \dots \\ \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \\ 1 \quad 2 \quad 3 \quad 4 \end{array} \right\} \cup \{GG\dots\}$$

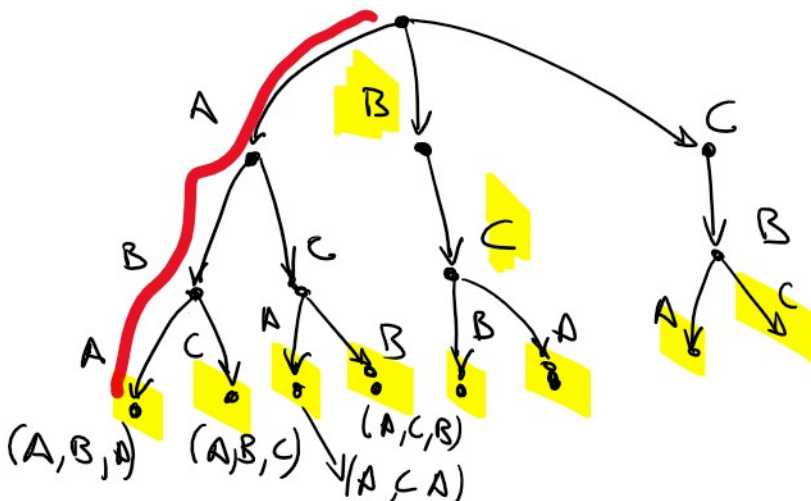


ΠΑΡΑΔΕΙΓΜΑ 1.11  
(MONTY HALL)



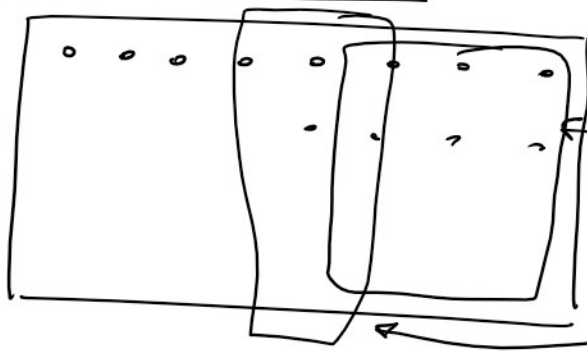
MONTY HALL

ΔΡΟ: ΚΟΥΡΤΩΝΑ A



$(A, B, A)$   $(A, B, C)$   $(A, C, B)$   
 $\searrow$   
 $(A, C, A)$

ΠΑΡΑΔΕΙΓΜΑ 2.12



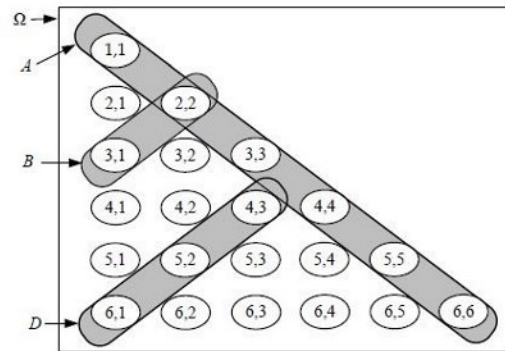
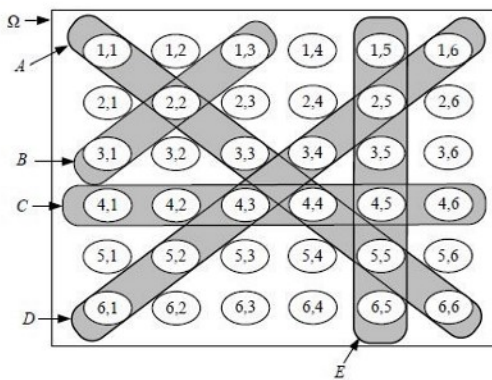
$\Omega$  = όλοι οι φοιτητές

$A$  = όλοι οι φοιτητές που είναι άτυχοι

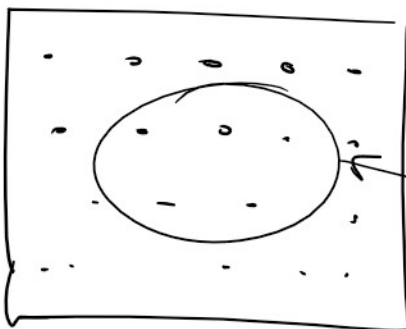
$M$  = όλοι οι φοιτητές με ματοξύλιτο

$A \cup M$  = " όλοι με ματοξύλιτο ή άτυχοι "

$A \cap M$  = " όλοι και με τα δύο "

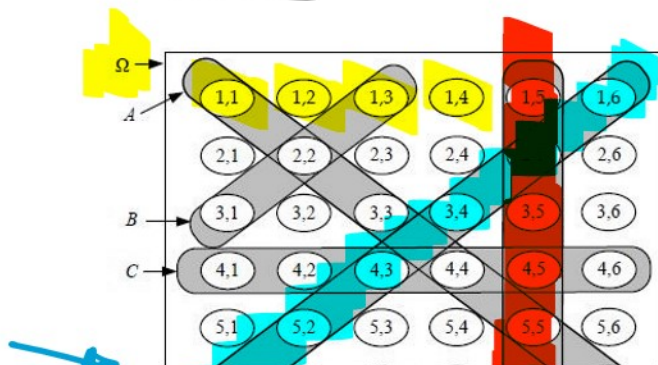


ΞΕΚΙΝΑΜΟΣ 1:15



$\Omega$  ΔΕΙΓΜΑΤΩΣ ΧΡΑΣΤΕ

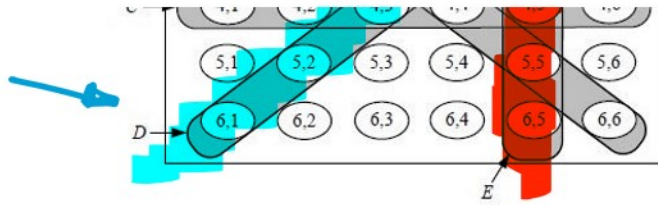
ΕΝΔΕΧΟΜΕΝΑ



$A = \{ (1,1), (3,2), (3,3), (4,4), (5,5), (6,6) \}$

= " ΔΙΤΡΑΓΕ 1 "

" - - - "



= " ΔITRAC 1  
 " Z1 = Z2 "

$$E = \{(1,5), (2,4), (3,3), (4,2), (5,1), (6,6)\}$$

$$= \text{"DETERR ZAPI = 5"}^{\wedge}$$

