

Permutasyon - Test 5

1) $\frac{5}{\{1,3,5\}} \frac{5}{\{1,3,5\}} \frac{3}{\{1,3,5\}} = 75$

Cevap: B

5)

Tüm durum - istenmeyen durum

$$P(6,4) - P(5,4)$$

$$360 - 120 = 240$$

Cevap: B

2) $\frac{5}{\{0\}} \frac{5}{\{0\}} \frac{4}{\{0\}} = 100$ tümü
 $\frac{5}{\{0\}} \frac{4}{\{0\}} \frac{1}{\{0\}} = 20$ sıfır ile biten
 $\frac{4}{\{5\}} \frac{4}{\{5\}} \frac{1}{\{5\}} = 16$ 5 ile biten

$$100 - (20 + 16) = 64$$

Cevap: C

6) A, B G₁ G₂ G₃

$$(4-1)! \cdot 2! = 12$$

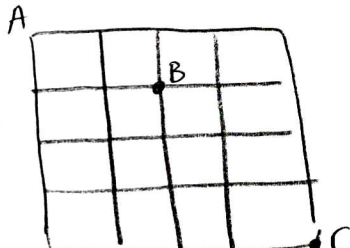
Cevap: A

3) $\frac{7}{\{0\}} \frac{6}{\{0\}} \frac{5}{\{0\}} \frac{4}{\{0\}} = 840$

Cevap: A

7) $\frac{7!}{3!2!2!} = 210$

Cevap: C

4) 
A dan B ye $\rightarrow \frac{3!}{1!2!} = 3$

B den C ye $\rightarrow \frac{5!}{3!2!} = 10$

A dan C ye $\rightarrow 3 \cdot 10 = 30$

Cevap: C

8) Tüm durum - istenmeyen durum

$$5 \cdot 4 \cdot 3 \cdot 2 - 4 \cdot 3 \cdot 2 \cdot 1$$

$$120 - 24 = 96$$

Cevap: E

Permutasyon Test-5

$$9) n \cdot (n-1)(n-2) = 6n + 4 \cdot n(n-1)$$

$$n \cdot (n-1)(n-2) = n \cdot (6 + 4 \cdot (n-1))$$

$$(n-1)(n-2) = 4(n-1) = 6$$

$$\underbrace{(n-1)}_6 \underbrace{(n-2)}_1 = 6$$

$$n=7$$

Cevap: E

13)

$$\frac{2}{\{1,3\}} \frac{2}{\{1,3\}} \frac{2}{\{1,3\}} = 8$$

Cevap: C

10)

$$\frac{R}{\text{-----}} = \frac{5!}{2!} = 60$$

Cevap: D

14)

$$\frac{5}{\{0\}} \frac{4}{\{0\}} \frac{1}{\{0\}} = 20 \rightarrow \text{sifir ile biten}$$

$$\frac{4}{\{5\}} \frac{4}{\{5\}} \frac{1}{\{5\}} = 16 \rightarrow \text{5 ile biten}$$

$$20 + 16 = 36$$

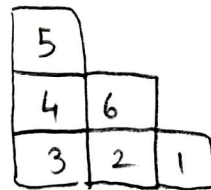
Cevap: D

11) $D_1 D_2 D_3 D_4$ $R_1 R_2 R_3$

$$5! \cdot 3!$$

Cevap: E

15)



$$\frac{1}{\underline{\quad}} \frac{7}{\underline{\quad}} \frac{1}{\underline{\quad}} \frac{6}{\underline{\quad}} \frac{1}{\underline{\quad}} \frac{5}{\underline{\quad}} = 210$$

$$210 \cdot 8 = 1680$$

Cevap: C

12)

$$\frac{8}{\textcircled{1}} \frac{7}{\textcircled{2}} \frac{6}{\textcircled{3}} = 336$$

Cevap: D

16)

Tüm durum - istenmeyen durum

$$\frac{5!}{2!} - \frac{4!}{2!} = 60 - 12 = 48$$

Cevap: E